CAMBRIA COMMUNITY SERVICES DISTRICT

Thursday, December 15, 2016 - 12:30 PM

1000 Main Street, Cambria, CA 93428

AGENDA

This agenda is prepared and posted pursuant to Government Code Section 54954.2. By listing a topic on this agenda, the District's Board of Directors has expressed its intent to discuss and act on each item. In addition to any action identified in the summary description of each item, the action that may be taken by the Board of Directors shall include: a referral to staff with specific requests for information; continuance; specific direction to staff concerning the policy or mission of the item; discontinuance of consideration; authorization to enter into negotiations and execute agreements pertaining to the item; adoption or approval; and disapproval.

Copies of the staff reports or other documentation relating to each item of business referred to on the agenda are on file in the Office of the District Clerk, available for public inspection during District business hours. If requested, the agenda and supporting documents shall be made available in alternative formats to persons with a disability. The District Clerk will answer any questions regarding the agenda.

To ensure civility and encourage public participation, the Board requests that audience members refrain from public displays and outbursts, including applause, comments and cheering. Any disruptive actions that interfere with the Board's ability to conduct a civilized meeting will not be permitted and offenders will be asked to leave the meeting. The Board appreciates your support, participation and courtesy.

1. OPENING

A. Call to Order

B. Pledge of Allegiance

C. Establishment of Quorum

D. Accept Certification by San Luis Obispo County Clerk-Recorder of November 8 , 2016 Election Results

ACCEPT CERTIFICATION BY SAN LUIS OBISPO COUNTY CLERK-RECORDER OF NOVEMBER 8, 2016 ELECTION RESULTS

E. Administer Oath of Office to Newly Elected Directors

F. Election of Officers

ELECTION OF BOARD OF DIRECTOR OFFICERS

G. Report from Closed Session

District Counsel to Report from Closed Session on November 17, 2016

2. SPECIAL REPORTS (Estimated time 5 Minutes per item)

A. Sheriff's Department Report

B. Cambria Community Services District Fire Chief Report

3. ACKNOWLEDGEMENTS AND PRESENTATIONS

A. Fire Engineers Michael Burkey and Michael Castellanos to Receive the Oath of Office, Pinning of Badges and Lapel Pins. Fire Engineer Ian Van Weerden Poelman will be recognized for his recent achievement of Fire Engineer. Ian will receive his lapel pins.

4. AGENDA REVIEW: ADDITIONS/DELETIONS AND PULLED CONSENT ITEMS

5. PUBLIC COMMENT (LIMITED TO 30 MINUTES)

Members of the public may now address the Board on any item of interest within the jurisdiction of the Board but not on its agenda today. In compliance with the Brown Act, the Board cannot discuss or act on items not on the agenda. Each speaker has up to three minutes. Speaker slips (available at the entry) should be submitted to the District Clerk.

6. MANAGER'S AND BOARD REPORTS (Estimated time 15 Minutes total)

A. Manager's Report

i. **Manager's Report**

B. Ad Hoc Committee Reports and Other Related Board Member Reports (Committee Meetings and Board authorized meetings attended)

7. CONSENT AGENDA (Estimated time: 15 Minutes)

All matters on the consent calendar are to be approved by one motion. If Directors wish to discuss a consent item other than simple clarifying questions, a request for removal may be made. Such items are pulled for separate discussion and action after the consent calendar as a whole is acted upon.

A. CONSIDERATION TO APPROVE EXPENDITURE REPORT FOR NOVEMBER 2016

B. CONSIDERATION TO APPROVE REGULAR MEETING MINUTES FOR THE NOVEMBER 17, 2016

C. CONSIDERATION OF ADOPTION OF RESOLUTION 45-2016 DECLARING A DISTRICT PUMP HOUSE LOCATED AT 6100 CHARING LANE AND 602 EXETER LANE AS SURPLUS AND AUTHORIZING ITS DISPOSITION, TRANSFER AND RELINQUISHMENT

8. HEARINGS AND APPEALS (Estimated time: 15 Minutes per item)

A. DISCUSSION AND CONSIDERATION TO ADOPT RESOLUTION 44-2016 APPROVING 2015 URBAN WATER MANAGEMENT PLAN

9. REGULAR BUSINESS (Estimated time: 15 Minutes per item)

A. DISCUSSION AND CONSIDERATION OF APPROVAL TO FILE A CONCEPT PROPOSAL AND AN APPLICATION FOR A CAL FIRE URBAN AND COMMUNITY FORESTRY PROGRAM GREENHOUSE GAS BIOMASS GRANT IF THE DISTRICT'S CONCEPT PROPOSAL IS SELECTED, FOR ACQUISITION OF A BIOMASS GENERATOR SYSTEM

B. DISCUSSION AND CONSIDERATION TO ADOPT 2017 CCSD REGULAR BOARD MEETING SCHEDULE

C. DISCUSSION AND CONSIDERATION OF FISCAL YEAR 2016/2017 QUARTERLY BUDGET REVIEW

D. DISCUSSION AND CONSIDERATION OF BIDS RECEIVED, REJECTION OF ALL BIDS, AND OPTIONS RELATING TO DEVELOPMENT OF THE FISCALINI RANCH PRESERVE COMMUNITY PARK PROJECT, PHASE 1

E. DISCUSSION AND CONSIDERATION TO ADOPT RESOLUTION 48-2016 TO FINANCE CONSTRUCTION OF THE FISCALINI WATER STORAGE TANK

F. DISCUSSION AND CONSIDERATION OF ADOPTION OF RESOLUTION 46-2016 AUTHORIZING AMENDMENTS TO THE PAYMENT AND COMPENSATION PLAN FOR CCSD MANAGEMENT AND CONFIDENTIAL EMPLOYEES (MCE)

10. PUBLIC COMMENT (CONTINUED)

Members of the public who have not had the opportunity to speak on item 5 due to the limitation of time may now address the Board on any item of interest within the jurisdiction of the Board but not on its agenda today. In compliance with the Brown Act, the Board cannot discuss or act on items not on the agenda. Each speaker has up to three minutes. Speaker slips (available at the entry) should be submitted to the District Clerk.

11. FUTURE AGENDA ITEM(S) (Estimated time: 15 Minutes)

Requests from Board members to receive feedback, direct staff to prepare information, and/or request a formal agenda report be prepared and the item placed on a future agenda. No formal action can be taken except to direct staff to place a matter of business on a future agenda by majority vote.

12. ADJOURN TO CLOSED SESSION (Estimated time 60 Minutes)

A. CONFERENCE WITH REAL PROPERTY NEGOTIATORS Pursuant to Government Code Section 54956.8
Property APN: 022-251-019
Agency Negotiators: Jerry Gruber, General Manager and Timothy Carmel, District Counsel
Negotiating Party: Shauna Dragomir for the County of San Luis Obispo
Under Negotiation: Price and Terms of Payment

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **1.D.**

FROM: Jerry Gruber, General Manager
Monique Madrid, District Clerk

Meeting Date: December 15, 2016 Subject: ACCEPT CERTIFICATION BY SAN LUIS OBISPO COUNTY CLERK-RECORDER OF NOVEMBER 8, 2016 ELECTION RESULTS

RECOMMENDATIONS:
Accept certification by the SLO County Clerk-Recorder of the November 8, 2016 election results.

FISCAL IMPACT:
None.

DISCUSSION:
Attached is the certification of the County Clerk results of canvass of all votes cast on November 8, 2016 consolidated Presidential election of the Cambria Community Services District.

Gregory Sanders and Amanda Rice were re-elected to serve on the Cambria Community Services District Board of Directors, with their terms of office expiring December 4, 2020.

Harry Farmer was elected to serve on the Cambria Community Services District Board of Directors, with his term of office expiring on December 4, 2020.

Attachments: Certificate of County Clerk-Recorder and Statement of Votes Cast

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BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ___ BAHRINGER ___ RICE ___ SANDERS ____ FARMER

CERTIFICATE OF THE COUNTY CLERK
RESULTS OF CANVASS OF ALL VOTES CAST
NOVEMBER 8, 2016 CONSOLIDATED GENERAL ELECTION
CAMBRIA COMMUNITY SERVICES DISTRICT

I, TOMMY GONG, County Clerk-Recorder of the County of San Luis Obispo, do hereby certify that pursuant to law I did canvass the returns of the votes cast at the above referenced election in the Cambria Community Services District on November 8, 2016 , and that a photocopy of the Statement of Votes Cast to which this certificate is attached, shows the number of votes cast in said district for each candidate for the office of Director and that the totals shown for each candidate for the office of Director in said district and in each of the respective precincts therein, are full, true and correct.

WITNESS, my hand and Official Seal this 5th day of December, 2016.

TOMMY GONG, County Clerk-Recorder

Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

	TURN OUT		
	Reg. Voters	Ballots Cast	% Turnout
Jurisdiction Wide			
CON 201-15			
Polling	1476	363	24.59%
VBM	1476	929	62.94%
Total	1476	1292	87.53%
CON 202-15			
Polling	1374	387	28.17%
VBM	1374	816	59.39%
Total	1374	1203	87.55%
CON 203-15			
Polling	1334	301	22.56%
VBM	1334	883	66.19%
Total	1334	1184	88.76%
Total			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
CONGRESSIONAL			
24TH CONGRESSIONAL DISTRICT			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
Total			
Polling	4184	1051	25.12%
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SENATE			
17TH SENATORIAL DISTRICT			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
Total			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
ASSEMBLY			
35TH ASSEMBLY DISTRICT			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%

Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

	TURN OUT		
	Reg. Voters	Ballots Cast	% Turnout
Total	4184	3679	87.93%
Total			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
BOARD OF EQUALIZATION			
STATE BOARD OF EQUAL DIST 2			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
Total			
Polling	4184	1051	25.12%
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SUPERVISOR/COMMISSIONER			
2ND SUPERVISORIAL DISTRICT			
Polling	4184	1051	25.12%
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CITIES			
UNINCORPORATED AREAS			
Polling	4184	1051	25.12%
VBM	4184	2628	62.81%
Total	4184	3679	87.93%
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Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

CAMBRIA COMMUNITY SERVICES DISTRICT DIRECTOR

	Reg. Voters	Vote For	Ballots Cast	Total Votes	Times Blank Voted	Times Over Voted	Number Of Under Votes	GAIL R. ROBINETTE		JEFF WALTERS	
Jurisdiction Wide											
CON 201-15											
Polling	1476	3	363	890	15	0	154	146	16.40%	28	3.15%
VBM	1476	3	929	2234	67	1	349	394	17.64%	95	4.25%
Total	1476	6	1292	3124	82	1	503	540	17.29%	123	3.94%
CON 202-15											
Polling	1374	3	387	883	29	2	185	113	12.80%	30	3.40%
VBM	1374	3	816	1940	65	0	313	294	15.15%	118	6.08%
Total	1374	6	1203	2823	94	2	498	407	14.42%	148	5.24%
CON 203-15											
Polling	1334	3	301	711	19	0	135	103	14.49%	30	4.22%
VBM	1334	3	883	2149	61	1	314	355	16.52%	72	3.35%
Total	1334	6	1184	2860	80	1	449	458	16.01%	102	3.57%
Total											
Polling	4184	9	1051	2484	63	2	474	362	14.57%	88	3.54%
VBM	4184	9	2628	6323	193	2	976	1043	16.50%	285	4.51%
Total	4184	18	3679	8807	256	4	1450	1405	15.95%	373	4.24%
CONGRESSIONAL											
24TH CONGRESSIONAL DISTRICT											
Polling	4184	9	1051	2484	63	2	474	362	14.57%	88	3.54%
VBM	4184	9	2628	6323	193	2	976	1043	16.50%	285	4.51%
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SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

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Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

CAMBRIA COMMUNITY SERVICES DISTRICT DIRECTOR

	GREG SANDERS		HARRY FARMER		R. THOMAS KIRKEY		DEWAYNE LEE		AMANDA RICE		Write-In Votes	
Jurisdiction Wide												
CON 201-15												
Polling	167	18.76%	147	16.52%	98	11.01%	118	13.26%	173	19.44%	13	1.46%
VBM	434	19.43%	327	14.64%	273	12.22%	286	12.80%	395	17.68%	30	1.34%
Total	601	19.24%	474	15.17%	371	11.88%	404	12.93%	568	18.18%	43	1.38%
CON 202-15												
Polling	127	14.38%	177	20.05%	100	11.33%	127	14.38%	192	21.74%	17	1.93%
VBM	320	16.49%	330	17.01%	216	11.13%	253	13.04%	363	18.71%	46	2.37%
Total	447	15.83%	507	17.96%	316	11.19%	380	13.46%	555	19.66%	63	2.23%
CON 203-15												
Polling	118	16.60%	123	17.30%	80	11.25%	104	14.63%	140	19.69%	13	1.83%
VBM	390	18.15%	334	15.54%	286	13.31%	296	13.77%	391	18.19%	25	1.16%
Total	508	17.76%	457	15.98%	366	12.80%	400	13.99%	531	18.57%	38	1.33%
Total												
Polling	412	16.59%	447	18.00%	278	11.19%	349	14.05%	505	20.33%	43	1.73%
VBM	1144	18.09%	991	15.67%	775	12.26%	835	13.21%	1149	18.17%	101	1.60%
Total	1556	17.67%	1438	16.33%	1053	11.96%	1184	13.44%	1654	18.78%	144	1.64%
CONGRESSIONAL												
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Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

CAMBRIA COMMUNITY SERVICES DISTRICT DIRECTOR

	GREG SANDERS		HARRY FARMER		R. THOMAS KIRKEY		DEWAYNE LEE		AMANDA RICE		Write-In Votes	
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Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

CAMBRIA COMMUNITY HEALTHCARE DISTRICT DIRECTOR

	Reg. Voters	Vote For	Ballots Cast	Total Votes	Times Blank Voted	Times Over Voted	Number Of Under Votes	JERRY SCOTT WOOD		KRISTI A. JENKINS	
Jurisdiction Wide											
CON 201-15											
Polling	1476	2	363	586	24	0	92	70	11.95%	92	15.70%
VBM	1476	2	929	1420	125	5	178	138	9.72%	229	16.13%
Total	1476	4	1292	2006	149	5	270	208	10.37%	321	16.00%
CON 202-15											
Polling	1374	2	387	553	60	1	99	69	12.48%	91	16.46%
VBM	1374	2	816	1213	123	0	173	132	10.88%	217	17.89%
Total	1374	4	1203	1766	183	1	272	201	11.38%	308	17.44%
CON 203-15											
Polling	1334	2	301	438	52	1	58	51	11.64%	79	18.04%
VBM	1334	2	883	1372	109	3	170	152	11.08%	246	17.93%
Total	1334	4	1184	1810	161	4	228	203	11.22%	325	17.96%
Total											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
CONGRESSIONAL											
24TH CONGRESSIONAL DISTRICT											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
Total											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
SENATE											
17TH SENATORIAL DISTRICT											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
Total											
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VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
ASSEMBLY											
35TH ASSEMBLY DISTRICT											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%

Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

CAMBRIA COMMUNITY HEALTHCARE DISTRICT DIRECTOR

	Reg. Voters	Vote For	Ballots Cast	Total Votes	Times Blank Voted	Times Over Voted	Number Of Under Votes	JERRY SCOTT WOOD		KRISTI A. JENKINS	
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
Total											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
BOARD OF EQUALIZATION											
STATE BOARD OF EQUAL DIST 2											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
Total											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
SUPERVISOR/COMMISSIONER											
2ND SUPERVISORIAL DISTRICT											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
Total											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
CITIES											
UNINCORPORATED AREAS											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
Total	4184	12	3679	5582	493	10	770	612	10.96%	954	17.09%
Total											
Polling	4184	6	1051	1577	136	2	249	190	12.05%	262	16.61%
VBM	4184	6	2628	4005	357	8	521	422	10.54%	692	17.28%
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Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

	CAMBRIA COMMUNITY HEALTHCARE DISTRICT DIRECTOR					
	BARBARA BRONSON GRAY		SHIRLEY BIANCHI		Write-In Votes	
Jurisdiction Wide						
CON 201-15						
Polling	216	36.86%	207	35.32%	1	0.17%
VBM	560	39.44%	487	34.30%	6	0.42%
Total	776	38.68%	694	34.60%	7	0.35%
CON 202-15						
Polling	194	35.08%	193	34.90%	6	1.08%
VBM	421	34.71%	438	36.11%	5	0.41%
Total	615	34.82%	631	35.73%	11	0.62%
CON 203-15						
Polling	159	36.30%	148	33.79%	1	0.23%
VBM	508	37.03%	465	33.89%	1	0.07%
Total	667	36.85%	613	33.87%	2	0.11%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
CONGRESSIONAL						
24TH CONGRESSIONAL DISTRICT						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
SENATE						
17TH SENATORIAL DISTRICT						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
ASSEMBLY						
35TH ASSEMBLY DISTRICT						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%

Statement of Votes Cast
2016 CONSOLIDATED GENERAL ELECTION
SOVC For CAMBRIA COMMUNITY SERVICES DISTRICT, All Counters, SPECIAL DISTRICTS
FINAL OFFICIAL ELECTION RESULTS

	CAMBRIA COMMUNITY HEALTHCARE DISTRICT DIRECTOR					
	BARBARA BRONSON GRAY		SHIRLEY BIANCHI		Write-In Votes	
Total	2058	36.87%	1938	34.72%	20	0.36%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
BOARD OF EQUALIZATION						
STATE BOARD OF EQUAL DIST 2						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
SUPERVISOR/COMMISSIONER						
2ND SUPERVISORIAL DISTRICT						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
CITIES						
UNINCORPORATED AREAS						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%
Total						
Polling	569	36.08%	548	34.75%	8	0.51%
VBM	1489	37.18%	1390	34.71%	12	0.30%
Total	2058	36.87%	1938	34.72%	20	0.36%

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **1.F.**

FROM: Jerry Gruber, General Manager
Monique Madrid, District Clerk

Meeting Date: December 15, 2016 Subject: ELECTION OF BOARD OF DIRECTOR OFFICERS

RECOMMENDATIONS:

1. The Vice President opens nominations for the office of President
2. Accept nominations from the Board members
3. Close nominations
4. Take a vote of those nominated
5. The Vice President opens nominations for the office Vice President
6. Accept nominations from the Board members
7. Close nominations
8. Take a vote of those nominated

FISCAL IMPACT: None

DISCUSSION:

The first order of business of the new Board is the election of Board Officers, President and Vice President.

Section 1.4 of the Board of Director Bylaws provides the procedure for the election of the President and Vice President annually.

> 1.4 The President and Vice President of the Board shall be elected annually at the first regular meeting in December and the term of office shall commence immediately upon election and continue until replaced.

The procedures are outlined above for your consideration under recommendations.

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ___ BAHRINGER ___ RICE ___ SANDERS ____ FARMER

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **6.A.**

FROM: Jerry Gruber, General Manager

Meeting Date: December 15, 2016 Subject: MANAGER'S REPORT

The CCSD District Office will be closed on December 26, 2016 in observance of Christmas day.

There were 7 Public Record Requests received since November 10, by the following citizens. Many of these requests are extensive in nature. This listing below is representative of the number of requests and does not necessarily reflect the extensive nature of each request.

The legal cost for Landwatch is currently $313,178.39. These figures came from the Finance Manager.

11/10/2016: Gregg Berge: Water, Sewer, Fire, and Water Waitlist application, etc.
11/10/2016: Kathe Tanner: A copy of the grand jury's most recent letter to the District, along with the response to it and copies of any violation notices within the past year.
11/10/2016: Gregg Berge: A copy of G. Berge's Public Records Request dated 11/10/2016.
11/17/2016: Elizabeth Bettenhausen A copy of the "De Minimis CDP waiver application" mentioned in the 11/17/16 CCSD Board of Directors Agenda, p. 33 under 2. STATE PARKS MTG W/ STATE PARKS ENTRY ISSUE. "Discussions with staff on install Remote Sensing Instruments on the Lower San Simeon Creek Pedestrian Bridge" de Minimis CDP waiver application" and any correspondence or other response pertinent to that application after it was submitted.
11/17/2016: Samuel Stahlschmidt: Cambria Community Services District Employee Compensation Report for the 2015 year.
11/22/2016: Gregg Berge: A copy of the proposed 2015 Urban Water Master Plan Update documents.
11/28/2016: Tina Dickason: Any and all communication between CCSD and South San Luis Obispo County Sanitation District, in reference to possible CCSD's brine waste disposal at their facility. Any and all communication between CCSD and other waste disposal facilities for the District's disposal of brine waste.

I would like to congratulate both Director Rice and Director Sanders for being re-elected to the CCSD Board of Directors. Staff will continue to work closely with the Board on implementing and supporting the policies of the Board.

I would like to congratulate and welcome Harry Farmer to the CCSD Board of Directors. Staff will work closely with Director Farmer and making sure we provide him with the needed time that is required to be brought up to speed on important issues relating to the CCSD. I will be meeting with Director Farmer on December 13, 2016.

I wanted to congratulate Jason Buhl for being selected as the CCSD Water Department Supervisor. Jason has been filling the critical position for the last three months and has done a great job. Jason will be responsible for the Santa Rosa and San Simeon facilities, in addition to the community's distribution system. John Allchin will continue to serve as the Sustainable Water Facility's Chief Plant Operator. I would respectfully ask that we honor and respect Jason in his new postion and that we would allow him the time and opportunity to excel in his new postion. Any policy related questions regarding the water system should be directed to me or Bob Gresens at the District office please.

The Parks Recreation and Open Space Commission continues to meet monthly. I have asked the PROS Commissioners to put on their January 2017 agenda a discussion item relating to proposed goals for 2017. As part of today's agenda we will be discussing the bids received for the East Ranch Park. I would like to thank staff, PROS, and our consultants for all their hard work on making the East Ranch Park Phase One Project a reality.

I would request of the CCSD Board of Directors that we hire a professional facilitator to conduct a Strategic Plan for the CCSD for the calendar year of 2017 and beyond. I would request that the Strategic Planning Session be held in January or February and that the establishment of goals would be incorporated into the Strategic Plan. I will reach out to several of my professional colleagues who have a great deal of expertise in facilitating a Strategic Planning Workshop and determine what the cost would be. In the interim I would like to suggest that we continue focusing on our existing three main goals until we complete a detailed Strategic Plan. I will work with the facilitator, the Board and Staff on preparing a framework for the Strategic Plan prior to the workshop that will act as a starting point for the Plan.

I want to thank everyone who was involved in making the Thanksgiving Holiday a joyous time for those who attended the Thanksgiving meal at the Veterans Hall. The CCSD continues to waive all fees associated with the community event. It is my understanding that over 700 meals were served, there was plenty of great food and everyone was extremely happy with the event. Again a great big thank you for such a wonderful and special event.

With the upcoming holidays the CCSD office hours will be modified to recognize both Christmas and New Year's days. Since Christmas falls on a Sunday, the CCSD offices will be closed on Monday December 26, 2016. Since the offices are usually closed to the public on Fridays I have given our Administrative staff the option to use a vacation day on Friday December 23, 2016 to spend some additional time with their families and to thank them for all their hard work. Some members of the administrative staff may choose to work on the Friday before Christmas. Since New Year's Day also falls on a Sunday, the CCSD Offices will be closed on Monday January 2, 2017 in recognition of New Year's Day. One final note, the District offices will be closed for a two hour period on December 14, 2016 from 12:00- 2:00 P.M in order for the office staff to go out for lunch together in celebration of the holidays.

CAL FIRE announced the successful grant awards for the 2016-17 CAL FIRE SRA Fee and Tree Mortality program.

San Luis Obispo County Fire Safe Council is receiving all 3 grants we applied for.

1. PLANNING GRANT: $116,000 Countywide Community Wildfire Protection Plan (CWPP) update and Completion of Wild Urban Interface (WUI) Fire Pre-Plans countywide

2. TREE MORTALITY GRANT: $199,000 CAMBRIA VILLAGE TREE MORTALITY provide additional funding to remove dead and dying trees in East Village/Bridge Street area of Cambria

3. TREE MORTALITY GRANT: $152,000 COUNTYWIDE TREE MORTALITY Removal of dead and dying trees and chipping countywide focusing on access roads and critical infrastructure.

The Sustainable Water Facility continues be operational. The SWF will be turned off based on the continued protocol which relies on three variables, well levels in both the San Simeon and Santa Rosa Wells, Gradient levels at the hydrologic mound and the well level at the WBE Windsor Bridge East Well.

Staff continues to work with both CDM Smith and MBI on the comment letters received for the SEIR.

The Tracer Study to date is going well and we are waiting on some final lab results.

I have included a revised time line for the Fiscalini Tank Construction Project that will move the completion date in December. Additional tank components for final construction were delayed and have resulted in the project taking a little longer than anticipated.

The CCSD'S Wastewater Treatment Plant continues to produce a very high quality of effluent water that is low in nitrates.

In closing I would like to thank the community, the CCSD Board of Directors and all of the CCSD staff for what we should all consider to have been a very productive 2016.

ADMINISTRATION:

We are continuing to develop the new website design. We hope to be able to devote our attention as a priority and get it finished and go live within the next two or three months.

Human Resources

Wastewater Department:
We are continuing to work through the recruitment process of one additional Wastewater Operator. We hope to have that position filled soon.

Water Department:
We are continuing to work through the recruitment process to replace the Water Supervisor position.

Fire:
We have filled the two vacant Fire Engineer positions utilizing an internal recruitment process. The successful candidates will receive their oaths of office and badge pinning at today's meeting.

Parks, Recreation and Open Space:
We continue to attend meetings of the Buildout Reduction Program Citizens' Committee. Their schedule, agendas, and minutes are posted on our website. Meetings are now held on Mondays. If you have any questions please contact Administrative Assistant Haley Dodson at hdodson@cambriacsd.org.

FACILITIES AND RESOURCES:

1. **Fiscalini Ranch Preserve:**
    a. Tree Planting:
        i. A tree planting work day was planned for November 26th. However, due to rain it was cancelled.
        ii. The new tree planting day is Saturday, December 17th, at 9:00 am.
            1. Over a hundred Monterey Pine trees will be planted on the Ranch.
            2. Trees are being purchased by Friends of the Fiscalini Ranch Preserve.
            3. Details on location can be found at ffrpcambria.org
            4. CCSD is taking care of the trees, providing non potable water and wood chips for the planting.
    b. Ramsey Entrance:
        i. New steps and handrail were installed on this entrance to the Ranch.

2. **Community Park:**
    a. Bid Documents were completed.
    b. Bid documents were placed on CCSD website. Over 20 Contractors were notified.
    c. A pre bid meeting was held on November 18. Monte Soto (Civil Design Studios), Deputy District Counsel David Hirsch and Ranch Manager answered questions by contractors. A site visit was also part of the pre bid meeting.
    d. Two addendums to the bid document were placed on the CCSD website and also contractors were notified of the change.
    e. Bidding was opened for one month and ended on December 8th at 4:00 pm.
3. **Parks:**

a. Skate Park:
    i. Large ramp repairs:
        1. The large ramp at Skate Park has dry-rot damage on one corner.
            a. Plywood, railing and framing was repaired.
            b. Work took two days' to complete.

4. <u>Vets Hall:</u>

a. November was a particularly busy month at the Vets Hall. 38 Events were held, including Elections, American Legion Veterans Day, Rotary Viva Las Vegas, Quinceaneras, Thanksgiving Dinner and Chamber Tree Auction.
b. New parking lot handicap signs were installed in the parking lot of Vets Hall.
c. CCSD staff has been cleaning out the attic and crawl space.
d. BBQ area was pressure washed.
e. Tile in both men's and women's' restrooms was repaired.

ENGINEER:

Key activities since the November 17, 2016 Board meeting report have included:

- Sustainable Water Facility:
    - The tracer study testing that began on September 30, 2016 is continuing. It is estimated to run over a 67 day period. The final completion date will be subject to laboratory analyses that may lag the 67-day period. Therefore, we will continue running the test past this time until analytical results are available and have been reviewed.
    - Continue to coordinate between Water Department and CDM Smith on various operational permitting reports. Monitoring reports were submitted for the third quarter and months of September and October.
    - Review of written comments received on the draft Subsequent EIR (SEIR) is in progress with the consulting team.

- Permit Counter: Continue to respond to miscellaneous permit counter information requests and remodel reviews. Carolyn Winfrey is quickly learning the various duties and procedures associated with our permitting, and her efforts are greatly appreciated.

- Urban Water Management Plan Update. The draft Urban Water Management Plan update was completed, posted on the cambriacsd.org website, and made available for review at our office.

- Miscellaneous Water and Wastewater Plant Projects and Repairs:

    - Influent Screen. The soils engineer determined a location for a soil boring to support design of the influent screen support platform. A boring is tentatively scheduled to be completed on December 16, 2016. Or-Tec, the screen manufacturer, has begun fabricating the new screen.
    - UPCCA Update. We are in the process of updating our website to include information for contractors interested in providing informal bids on future projects per the California Uniform Public Construction Cost Accounting Act (CUPCCAA) procedures, which was originally adopted by the CCSD Board on July 25, 2013 (Ordinance 04-2013). Our intention is to informally bid the influent screen platform and its installation during the first quarter of 2017.
    - The Fiscalini Water Tank Replacement project is nearing completion towards the end of this month. Subject to completing required water quality sampling and analyses beforehand, the new tank should be placed in service during January 2017.

- Miscellaneous:

- Following completion of interviews for the Water Department Supervisor Position, we warmly congratulate Jason Buhl as our new Water Department Supervisor.
- Attending the Water Resource Advisory Committee on December 7th (This staff report was prepared on December 6, 2016 in order to make our agenda packet production deadline. Any update from this meeting will be provided during today's meeting.)

Well Level reports from 12/05/2016 readings are attached, and are also being made available for review on the District's website at www.cambriacsd.org

FIRE:

Prevention and Education
- 00 Residential rough/hydro inspections were completed
- 00 Hydrant pressure tests completed
- 03 Fire final inspections
  - o 5587 Oakhurst
  - o 6530 Buckley
  - o Cambria Christmas Market (Lodge)
- 02 Residential site visits for building questions
- 08 Fire plan reviews
  - o 1624 Burton (water service line information)
  - o 1936 Emmons
  - o 411 Cambridge
  - o 3133 Rogers
  - o 5431 Nottingham
  - o 692 Randall
  - o 4005 Burton (site safety plan)
  - o 2877 Burton
  - o Norfolk (no number assigned)
  - o 2506 Ross
- 06 Engine company commercial fire and life safety inspections were conducted
- 04 Public education events
- 03 Residential smoke/carbon monoxide detectors were installed and or the batteries changed
- 04 Contacts with people regarding fire prevention questions
- 01 Fire Engine and Station tours

Meetings and Affiliations
- SLO County Chief's meeting November 2, 0900 FCFA
- FireSafe Focus Group November 9, 1500 Cambria CSD Fire Station
- CIRP November 16, 1300 South Bay Training Center
- CCHD board meeting November 16, 1500 Grammar School
- CCFPA meeting November 17, 0900 Station 21
- CCSD board meeting November 17, 1230 Vets Hall

Operations and News
- Training for the month of November was focused on the following: Engineer Pumping Operations, Pump Theory, and Hydraulic Calculations.
- Cambria CSD Fire participated in the Farmer's Market preparation for the "Fill the Boat" campaign.
- Cambria CSD Fire participated in the sidewalk CPR event sponsored by CCHD
- Cambria CSD Fire finalized two separate regional grant applications for PPE replacement and the purchase of additional EKGs
- New Fire Engineer hires are working

 SLO Fire Safe Council awarded Cal Fire Grants for 2016-2017 (see attached)
o CWPP & WUI Pre-plans
o Countywide tree mortality fuel reduction
o Cambria Village tree mortality

Fire Statistics are attached for your review

SAN LUIS OBISPO COUNTY FIRE SAFE COUNCIL GRANT AWARDS FROM CAL FIRE 2016-17 SRA AND TREE MORTALITY GRANT PROGRAM
CWPP & WUI PRE-PLANS $116,000
This planning project consists of two parts that will be completed simultaneously:
WUI Pre Plans and Update of Current County Wide CWPP across ALL SRA areas and impacting more than 58,000 SRA structures.
1. **WUI PRE PLANS**: Complete the production of WUI Fire preplans and homeowner evacuation guides for all SRA areas in San Luis Obispo County. WUI Preplans identify critical incident information unique to the area. Current WUI preplans have proven very effective in reducing costs, losses, and improving responder safety during major fires in last 1o years (Chimney, Calf, Cuesta, and Las Pilitas fires).
2. **UPDATE COUNTY WIDE CWPP**: Update the current San Luis Obispo County wide CWPP and interconnect with the CAL FIRE-SLU Unit Plan and serve as detail for wildfire component of County Local Hazard Mitigation Plan and future General Plan-Safety Element update.

COUNTYWIDE TREE MORTALITY FUEL REDUCTION GRANT $152,000
This FUEL REDUCTION Project will provide:
 20 days of contract curbside chipping to assist homeowners complete their defensible space in SRA and avoid burning the piles of cut materials. The curbside chipping will be countywide but restricted to only SRA, High and Very High FHSZ in areas deemed highest priority in CAL FIRE SLU Unit Fire Plan.
 40 days of contract falling crews to remove and chip (or dispose using curtain burner) drought and pest caused dead and dying hazardous trees countywide.
 20 days of CAL FIRE crews falling hazard trees, chipping
 Focus is on critical infrastructure and access/egress roadways
 Both project components will prioritize Very High and High FHSZ's.

CAMBRIA VILLAGE TREE MORTALITY $199,000
 Project proposes to remove 45 acres of dead and dying Monterey Pines adjacent to and within 300 feet of the Cambria Village retail-commercial district (there are approximately 15 dead Monterey Pine stems per acre: 45 x 15 = 675 trees)
 Also, remove dead and dying trees within 300 feet of 1.5 miles of east side of Bridge Street between commercial district and the cemetery to reduce hazard/risk from fire and danger of falling trees blocking road or hitting people or buildings.

WASTEWATER:

Wastewater Treatment Plant Operations (April, 2016):
- We have installed some new hand rails on the digester and have a few almost ready for installation.
- The waste pump for clarifier 1 has been replaced.
- We now have a trailer under the sludge conveyer so no more sludge on the ground.
- We are still upgrading the wastewater plant SCADA.
- Painting the hand rails around the aeration basins started this month.

Collection Systems & Lift Stations

- Lift station 8 was completed last Month.

- Lift station 8 is now online with SCADA.
- We are seeking bids for improvements at Lift station B-2 and 9.

Laboratory:

- Abalone Coast continued to provide the services of a certified laboratory analyst for those analyses that are reported to the state. At this point Amanda is calibrating the online pH meter on a monthly basis.

Administrative:

- Tim O'Marr has passed his grade II exam and is now waiting for his certification.
- We have hired a new Wastewater OIT and he will be starting on December 12.

WATER:

1. The Tracer study that started 9/30/2016 is going well, with John Allchin serving as the Chief Plant Operator of the SWF. At least one Water Department operator has been dedicated to the SWF operation and tracer study sampling.

2. Water production was 44.83 acre feet (af) compared to 37.31 af last year for November.

3. 5.82 af was produced from the San Simeon well field. 31.97 af from Santa Rosa wells. 7.04 acre ft. was produced and injected from the SWF.

4. Well levels in San Simeon continue to hold steady with the help of the SWF. Santa Rosa well levels have slightly dropped. The daily alternating of Santa Rosa wells has helped the individual wells recover and sustain or slow well level declines.

5. There were no customer complaints of low water pressure, no complaints of dirty water or bad tastes or odors.

6. 19 customers were assisted with high usage or water leaks on the customer's side of meter, thus helping customers conserve water and save money on their water bills.

7. 4 water leaks were repaired in the distribution system.

8. 2 new service line and meters were installed for fire sprinkler upgrade requirements.

9. 28 service requests to read or locate meters were completed. 23 U.S.A locations and 12 retrofit inspections were also completed.

10. Monthly reading of all water meters for billing and conservation purposes was completed.

11. We continue to read well levels weekly, or more frequently, as may be needed to support the tracer study.

Attachments: Letter of Commendation for Haley Dodson
San Luis Obispo County Street Sweeping Schedule
Fiscalini Tank Project Schedule Update
Balanced Public Relations Report
Finance Manager Report
Well Production and level graphs
Fire Stats
PROS 2017 Adopted Regular Meeting Schedule

Cambria Community Services District
Build Out Reduction Committee

November 16,2016

Re: Haley Dodson Letter of Commendation

Mr. Jerry Gruber
General Manager
Cambria Community Services District

Dear Mr. Gruber
It has been reported to the committee by Mel McColloch, a committee member, that he has worked with Haley Dodson for several months gathering information for the CCSD appointed Build Out Reduction Plan Committee. Haley and Mel worked on gathering information on the number of parcels in Cambria that are not on the CCSD water and sewer wait list and will not be built on.

It was a very difficult task and a large amount of information had to be gathered from the CCSD to determine how many parcels within the CCSD urban service line were not on the CCSD water and sewer wait list. Mel said this part of the overall task would have been much more difficult and time consuming to accomplish without the help of Haley.
Mel stated Haley was always very responsive and available to help him with searching for the information needed. She has also been very helpful to the committee in keeping the minutes of each meeting and sending out meeting information to each committee member timely.

Mel could not praise and thank Haley enough for the help that she gave him to complete the task he was assigned to by me .
We commend and thank her for her help, work and effort. Haley has performed in a professional manner.

Please place this letter of commendation in Haley's file.
Thank You

Ted Siegler
Build Out Reduction Committee Chairman

Copy:
Haley Dodson
Buildout Reduction Committee
CCSD Board of Directors

VENCO POWER SWEEPING, INC. will be performing monthly curb sweeping services for San Luis Obispo County.

PLEASE PARK YOUR VEHICLES ' SWEEPER FRIENDLY' & REMOVE GARBAGE CONTAINERS FROM CURB ON SCHEDULED SWEEPING DAYS

SWEEPING SCHEDULE for DECEMBER 2016:

NIPOMO		
Thursday	December 1 2016	Black Lake Golf Resort-(both areas North & South of Willow Rd.)/ and the Callender Rd. area
Friday	December 2 2016	All streets South of Tefft Street; & All streets East of Orchard Ave.
Tuesday	December 6 2016	All streets North of Tefft Street; & All streets East of Hwy 101; to include Tefft St.,
Wednesday	December 7 2016	All streets South of Tefft Street; & All Streets West of Orchard Ave.
Wednesday	December 28 2016	Area on Nipomo Mesa*
OCEANO		
Wednesday	December 7 2016	Pier Avenue, Strand Way, Railroad Street, & adjacent beachfront streets
Wednesday	December 14 2016	Town of Oceano- to include, Pier Avenue, Strand Way, Railroad Street, & adjacent beachfront streets
Wednesday	December 21 2016	Pier Avenue, Strand Way, Railroad Street, & adjacent beachfront streets
Wednesday	December 28 2016	Pier Avenue, Strand Way, Railroad Street, & adjacent beachfront streets
AVILA BEACH		
Tuesday	December 13 2016	Town of Avila Beach- to include bridges
TEMPLETON		
Thursday	December 8 2016	Town of Templeton- East of Hwy 101 to include bridge
Friday	December 9 2016	Town of Templeton- West of Hwy 101
LOS OSOS		
Monday	December 19 2016	All streets East of 9th St. ; also, the Sea Pines Golf Course area.
Tuesday	December 20 2016	All streets West of 9th St., also, Cabrillo Estates area
Thursday	December 22 2016	All streets South of Los Osos Valley Rd./ Pecho Rd.
SAN LUIS OBISPO		
Monday	December 12 2016	Country Club area, south of the city of San Luis Obispo
Tuesday	December 27 2016	San Luis Obispo area
CAYUCOS SAN SIMEON		
Friday	December 23 2016	Town of Cayucos- to include bridge Town of San Simeon
CAMBRIA		
Monday	December 5 2016	Town of Cambria - roads with trash days on Tuesday & Friday
Friday	December 23 2016	Mid-Town Cambria- Arlington St., Bridge St., Burton Dr., Cambria Dr., Center St., Cornwall St., Main St., Windsor Blvd.
Friday	December 30 2016	Town of Cambria - roads with trash days on Monday, Wednesday, & Thursday
SAN MIGUEL SANTA MARGARITA		
Thursday	December 29 2016	Town of San Miguel- to include bridge Town of Santa Margarita- to include El Camino Real
SHANDON MAINTENANCE YARDS		
Tuesday	December 27 2016	Town of Shandon- to include bridges Section 3 - Maintenance Yard & Traffic Shop & Garage Yard Section 1- Maintenance Yard
BIKE LANES		
Thursday	December 15 2016	El Camino Real, Old Creek Rd., Los Berros Rd.,Price Canyon Rd.
Friday	December 16 2016	Higuera St., O'Connor Way, Foothill Blvd., Los Osos Valley Rd., Buckley Rd. Thompson Rd., Hutton Rd., Joshua Rd., Halcyon Rd.(both north & south portions) Willow Rd., Valley Rd., Oak Park Rd., Lopez Lake Dr., Orcutt Rd. Santa Maria Vista,Vista del Rio, Vista del Pueblo, & Vista del Sol

See a detailed schedule & more information regarding our sweeping program at:
www.slocounty.ca.gov/pw.
OR Contact: Venco Power Sweeping, Inc.- (805) 201-0040 / www.vencosweep.com

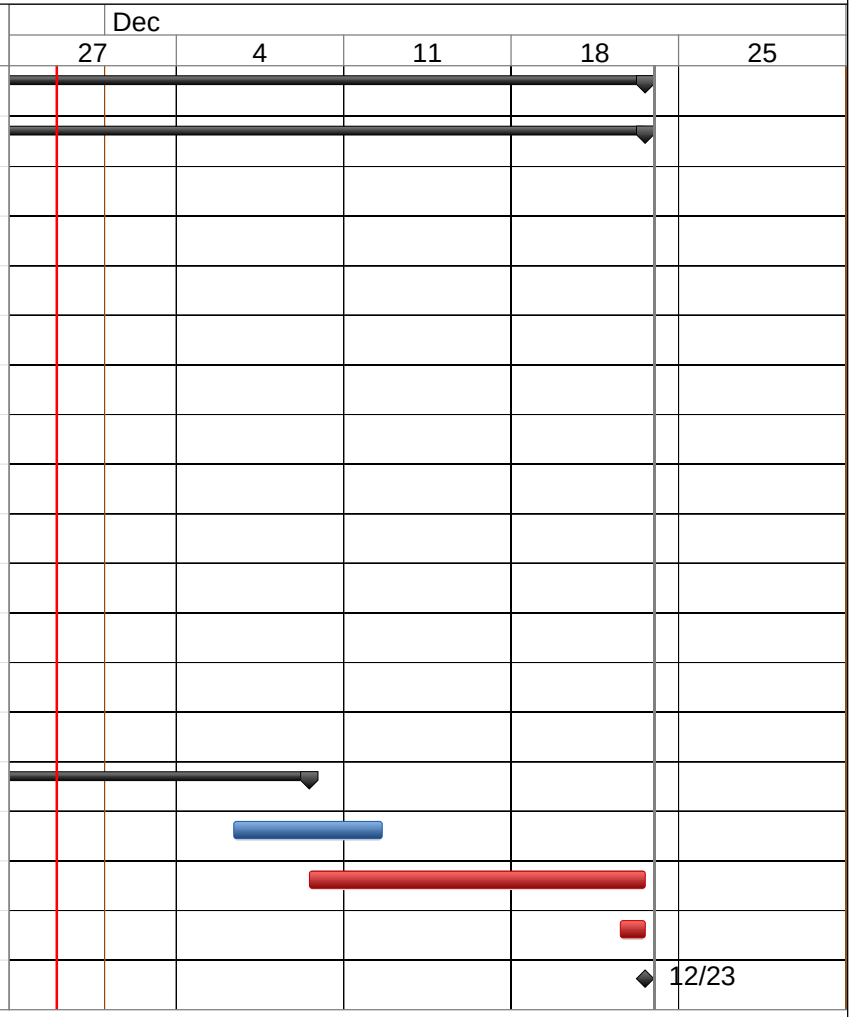
December 1, 2016

11/29/16

Schedule Update

Cambria Community Services District
Fiscalini Water Tank Replacement Project
Cambria, CA

ID	Task Name	Start	Duration	Finish
1	**ATS/CCSD Tasks**	5/2/16	149.94 days	12/23/16
11	**Crosno Construction Activities**	5/26/16	133.94 days	12/23/16
12	Engineering Activities	5/26/16	12 days	6/14/16
16	Prepare Other Submittals	6/14/16	20 days	7/14/16
17	Complete Final Submittals	8/8/16	5 days	8/16/16
18	Procurement	6/2/16	27 days	7/14/16
24	Shop Fabricate/Blast/Prime/Ship	7/5/16	25 days	8/12/16
30	Procure Temp Tanks	6/1/16	25 days	7/11/16
31	Grade Site	7/11/16	1 day	7/12/16
32	Install/Disinfect Temp Tanks	7/11/16	8 days	7/22/16
33	Implement Fiscalini Change Order	8/4/16	11 days	8/22/16
34	Demolish Bolted Tank Facilities	9/26/16	5.5 days	10/4/16
39	Build Ringwall Foundation	9/7/16	12 days	9/26/16
40	Build Tank	9/26/16	27 days	11/7/16
47	Coat Tank	11/7/16	21 days	12/9/16
55	Yard Piping & Catch Basins	12/6/16	4 days	12/12/16
56	Cure Interior	12/9/16	9 days	12/23/16
57	Cathodic Protection	12/22/16	1 day	12/23/16
58	Disinfect Tank	12/23/16	0 days	12/23/16



CROSNO CONSTRUCTION INC.
SPECIALIZING IN WELDED STEEL STORAGE TANKS

Balance Public Relations

Cambria Community Service District Activity Report: December (GM Report)

1 Tree Mortality

- Governor Task Force to argue for High Hazard Zone Footprint (HHZF) that use GIS overlays, identify hazard areas focused on tree mortality, high fire threat, community assets, and watershed level assets—will present to Board in January meeting a plan to move forward with recommendations to improve its situation moving into summer.
- Rescheduling of follow-up meeting with Cambria GM with OES.
- County discussion of including special districts in planning for next drought period, Cambria will lead that discussion.
- Awards!: IN GM REPORT.

2 State Parks Mtg w/ State Parks Entry Issue

- Resolution at State Level on remote sensing instruments—purpose of GM meeting at state level with Parks is critical on closing that issue: Scheduled for January.
- Continued discussion with staff on install Remote Sensing Instruments on the Lower San Simeon Creek Pedestrian Bridge with goal of longer term goal and agreement with State and CCSD.

3 Grant Funding

- Submittal in January of remaining Prop 1 dollars after end of year allocation.
- DWR analysis of DWSRF Application for CSD's Fiscalini Water Tank Replacement Project moving along but need asked to revisit in January with GM. Scheduled.
- Moving of documents to Division of Financial Assistance (DFA) for Financing Agreement based on past discussion dealing with concurrent actions allowed during and prior to financing of project-which is required and will be due in 2017.

4 WATER RIGHTS

- Creation of timeline for State Division of Water Rights at the State Water Resources Control Board regarding San Simeon and Santa Rosa Aquifers—still awaiting timeline from the Department.
- Discussion with Chair of Water Board: Meeting with GM in January.

5 COUNTY/COASTAL COMMISSION

- Discussion of EIR for discussion with Costal Commission staff: meeting in January.
- Review of Greenspace and Coastal Commission comment letters—completed and summarized.
- Facilitation of Coastal Commission staff discussion—per the GM discussion item at Dec meeting.

6 DWR FOR DISCUSSION WITH CCSD PROP 84 GRANT-CONSTRUCTION COST REIMBURSEMENT-5%

- Moving 2015 UWMP adoption by Board to DWR for closure of funding for recouping of 5%.

7 PLANNED SACRAMENTO MEETING WITH GM IN JANUARY

- Division of Water Mtg: GM
- Chair, Water Board: GM
- New water leadership of Assembly and Senate meeting: Legislature comes into session first week of January.

BOARD OF DIRECTORS' MEETING – DECEMBER 15, 2016
ADDENDUM TO GENERAL MANAGER'S REPORT
FINANCE MANAGER'S REPORT

ADMINISTRATION

A loan from Muni Finance Corporation for $600,000 for construction of the Fiscalini Water Tank is being recommended for approval at the Board meeting in December 2016.

BUDGET FY 2015/2016

- A Fiscal Year 2015/2016 Budget was adopted on June 25, 2015. A financial audit of transactions during Fiscal Year 2015/16 is currently being conducted by an independent auditor (Crosby Company CPA) with results reported to the Board and the public no later than February 2017.

BUDGET FY 2016/2017

- The Fiscal Year 2016/2017 Budget was adopted at the regular Board meeting on June 23, 2016. First quarter activity is provided in a separate staff report for this Board meeting.

EXPENDITURES OVER $100,000

There was one expenditures exceeding $100,000 during November 2016. $138,684 was paid to City National Bank for principal and interest on the Water and Wastewater Refinancing Bonds. Other major expenditures during the month were:

$106,118 Alpha Electrical Services for water and wastewater operational support
$ 42,130 CDM Smith for support for the Sustainable Water Facility project
$ 51,660 Crosno construction for Fiscalini Water Tank construction
$ 77,089 Michael Baker International for EIR support of the Sustainable Water Facility

WATER/WASTEWATER USAGE AND BILLING

The chart on the next page reflects usage and billing through September/October 2016. The CCF billed were 4.3% lower than the amounts billed the previous year and 61% of the amount billed in 2013. The revenue realized from Water sales was $120,369 more than billed the previous year due to the rate increase in March 2016.

CCSD WATER SALES HISTORY

12/1/2016

FY 12/13	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
BASE	102,586	102,672	102,722	102,809	102,906	102,915	616,610
USAGE	278,488	210,933	146,434	151,971	173,955	229,755	1,191,536
ADJUSTMNTS	877	97	1,527	673	809	946	4,929
TOTAL CASH	381,951	313,702	250,683	255,453	277,670	333,616	1,813,075
CCF	***61,407***	***51,098***	***40,051***	***40,943***	***44,201***	***54,173***	291,873
USAGE $/CCF	***4.54***	***4.13***	***3.66***	***3.71***	***3.94***	***4.24***	

FY 14/15	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
BASE	102,952	102,867	102,837	102,835	102,093	102,987	616,571
USAGE	127,246	103,268	83,048	85,496	107,340	103,415	609,813
EWS BASE		62,097	62,094	61,799	61,668	61,996	309,654
EWS USAGE		89,005	60,235	61,371	73,203	76,203	360,017
ADJUSTMNTS	(7,277)	(15,945)	(12,369)	(3,435)	(7,359)	(51,890)	(98,275)
PENALTIES/SU	92,725	44,793	32,930	39,208	60,128	56,494	326,278
TOTAL CASH	315,646	386,085	328,775	347,274	397,073	349,205	2,124,058
CCF	***31,592***	***28,764***	***23,723***	***23,967***	***28,899***	***28,229***	165,174
% OF FY 12-13	***51%***	***56%***	***59%***	***59%***	***65%***	***52%***	
USAGE $/CCF	***4.03***	***3.59***	***3.50***	***3.57***	***3.71***	***3.66***	
EWS $/CCF		***3.09***	***2.54***	***2.56***	***2.53***	***2.70***	

FY 15/16	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
BASE	102,935	102,730	102,828	102,864	115,313	115,127	641,797
USAGE	124,569	116,096	101,617	92,773	211,292	249,393	895,740
EWS BASE	61,874	61,792	62,098	61,882	61,161	61,244	370,051
EWS USAGE	83,654	79,869	71,071	66,124	74,753	88,395	463,866
EWS OPS		36,864	49,964				86,828
ADJUSTMNTS	(3,964)	(49,726)	(23,276)	(34,172)	(31,637)	(12,410)	(155,185)
PENALTIES/SU	127,290	82,583	50,674	66,613	-	-	327,160
TOTAL CASH	496,358	430,208	414,976	356,084	430,882	501,749	2,630,257
CCF	33,441	32,633	27,147	24,968	27,603	34,043	179,835
% OF FY 12-13	***54%***	***64%***	***68%***	***61%***	***62%***	***63%***	
USAGE $/CCF	***3.73***	***3.56***	***3.74***	***3.72***	***7.65***	***7.33***	
EWS $/CCF	***2.50***	***2.45***	***2.62***	***2.65***	***2.71***	***2.60***	

FY 16/17	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
BASE	115,161	115,251					230,412
USAGE	271,877	226,322					498,199
EWS BASE	61,236	61,269					122,505
EWS USAGE	97,713	80,307					178,020
EWS OPS		34,571					34,571
ADJUSTMNTS	(5,760)	(552)					(6,312)
PENALTIES/SU	-	-					-
TOTAL CASH	540,227	517,168					1,057,395
CCF	37,484	31,242					68,726
% OF FY 12-13	***61%***	***61%***					
USAGE $/CCF	***7.25***	***7.24***					
EWS $/CCF	***2.61***	***2.57***					

The chart below shows how actual CCFs billed in fiscal years 2014, 2015, 2016 and 2017 compared to what was billed in fiscal year 2013.

COMPARISON OF WATER USAGE BILLED

	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN
FY 2012/2013	*61,407*	*51,098*	*40,051*	*40,943*	*44,201*	*54,173*
FY 2013/2014	63,113	47,345	38,827	36,576	24,917	25,500
Note 1	*103%*	*93%*	*97%*	*89%*	*56%*	*47%*
FY 2014/2015	31,592	28,764	23,723	23,967	28,899	28,229
Note 2	*51%*	*56%*	*59%*	*59%*	*65%*	*52%*
FY 2015/2016	*33,441*	*32,633*	*27,147*	*24,968*	*27,603*	*34,043*
Note 3	*54%*	*64%*	*68%*	*61%*	*62%*	*63%*
FY 201/2017	*37,484*	*31,242*				
Note 4	*61%*	*61%*				

Note 1: Each FY 2013/2014 billing cycle compared to same billing cycle in FY 2012/2013
Note 2: Each FY 2014/2015 billing cycle compared to same billing cycle in FY 2012/2013
Note 3: Each FY 2015/2016 billing cycle compared to same billing cycle in FY 2012/2013
Note 4: Each FY 2016/2017 billing cycle compared to same billing cycle in FY 2012/2014

WASTEWATER REVENUE

The chart below shows actual Wastewater revenue for fiscal years 2013, 2014, 2015, 2016 and 2017.

CCSD WASTEWATER REVENUE HISTORY 12/1/2016							
FY 12/13	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
TOTAL	353,040	333,530	314,016	316,887	322,690	339,547	1,979,710
BASE	248,975	248,931	248,991	249,061	248,917	248,880	1,493,755
USAGE	104,065	84,599	65,025	67,826	73,773	90,667	485,955
PERCENT REVENUES COMPARED TO JUL/AUG 2013:							
	100%	81%	62%	65%	71%	87%	
FY 13/14	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
TOTAL	356,678	327,765	312,334	309,020	288,655	288,937	1,883,389
BASE	249,916	249,111	249,098	249,489	249,415	249,153	1,496,182
USAGE	106,762	78,654	63,236	59,531	39,240	39,784	387,207
REVENUES COMPARED TO SAME PERIOD FY 12/13							
TOTAL %	101%	98%	99%	98%	89%	85%	
USAGE %	103%	93%	97%	88%	53%	44%	
FY 14/15	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
TOTAL	298,877	291,469	286,650	287,225	292,401	291,940	1,748,562
BASE	250,263	250,012	249,984	250,198	249,261	250,349	1,500,067
USAGE	48,614	41,457	36,666	37,027	43,140	41,591	248,495
REVENUES COMPARED TO SAME PERIOD FY 12/13							
TOTAL %	85%	87%	91%	91%	91%	86%	
USAGE %	47%	49%	56%	55%	58%	60%	
FY 15/16	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
TOTAL	297,892	296,385	292,464	289,964	305,052	318,932	1,800,689
BASE	250,403	249,841	250,429	250,500	214,599	214,989	1,430,761
USAGE	47,489	46,544	42,035	39,464	90,453	103,943	369,928
REVENUES COMPARED TO SAME PERIOD FY 12/13							
TOTAL %	84%	89%	93%	92%	95%	94%	
USAGE %	46%	55%	65%	58%	123%	115%	
FY 16/17	JUL/AUG	SEP/OCT	NOV/DEC	JAN/FEB	MAR/APR	MAY/JUN	CUMULATIVE
TOTAL	328,858	311,453					640,311
BASE	215,451	215,464					430,915
USAGE	113,407	95,989					209,396
REVENUES COMPARED TO SAME PERIOD FY 12/13							
TOTAL %	93%	93%					
USAGE %	109%	113%					

EXPENDITURES FOR THE SUSTAINABLE WATER FACILITY

The District has undertaken the development of a Sustainable Water Facility system in response to the worst drought in California history which resulted in a declared Stage 3 Drought Emergency. $12,910,109 in expenditures for the EWS project have been authorized by the CCSD Board of Directors. Those expenditures include the following:

CDM SMITH: ENGINEERING, PRECONSTRUCTION PERMITTING AND ENVIRON SVCS	2,786,818
CDM CONSTRUCTORS: DESIGN/BUILD	7,366,742
GENERAL COSTS	433,747
OTHER PROFESSIONAL SERVICES	560,699
TOTAL PLANT DESIGN/BUILD EXPENDITURES	**11,148,006**
REGULAR COASTAL DEVELOPMENT PERMIT	1,350,080
PLANT START-UP EXPENDITURES	412,023
TOTAL AUTHORIZATIONS	**12,910,109**

Total commitments made to-date, in the form of issued purchase orders, equal $10,315,160. These relate to Task Orders in the following way:

174,495	Task Order 1: Hydrogeological Modeling
299,601	Task Order 2: Preconstruction Engineering (Phase 1)
920,084	Task Order 3: Preconstruction Services (Phase 2)
499,941	Task Order 4: Engineering, Permitting, Purchase Assistance
584,607	Task Order 5: Permitting and Environmental
308,090	Task Order 6: Permitting and Environmental
161,600	Task Order 7: Completion of an Updated Tracer Study
2,948,418	Total CDM Smith
6,647,919	Design/Build Contract
511,602	Change Order 1
123,953	Change Order 2
83,268	Change Order 3
7,366,742	Total CDM Constructors
10,315,160	Total CDM Smith & CDM Constructors

Invoices paid through November 2016 to CDM Smith, the Sustainable Water Facility Project's primary design/build contractor, equal $2,712,691

Invoices paid through November 2016 to CDM Contractors Inc., the Sustainable Water Facility Project's primary builder, equal $7,366,742.

Total expenditures to all vendors through November 2016 equal $11,512,443.

CASH BALANCES

CCSD maintains one account with the State of California Local Agency Investment Fund (LAIF) and the following five accounts at Heritage Oaks Bank:

- a payroll account;
- an account for operation of the Veteran's Hall;
- an account for medical benefits for employees;
- a main checking account; and
- a money market account.

CCSD pools all of its cash for all of its funds so, other than restricted funds, no cash asset is held for any specific fund. It should be noted that when the pooling method is used, a fund may overdraw its account in the pool. These overdrafts are reported as liabilities with a corresponding receivable (due to/from other funds) on the balance sheet.

The first three accounts shown above are restricted funds which are not available for use in other areas. However, the last two accounts are unrestricted and are available, along with LAIF, as part of the "pooled" cash of CCSD.

Revenues and expenditures fluctuate significantly from month to month and therefore the most appropriate comparison of available cash balances is at the end of the fiscal year on June 30th. Final balance amounts in the Water and Wastewater funds are determined after all other fiscal year activity is recorded, reconciled and audited. Audited cash balances on June 30, 2015 were as shown below. It should be noted that the 2014 and 2015 loans to the Water Fund were to support expenditures for the Sustainable Water Facility construction and those loans were repaid when the Prop 84 grant was received in December.

CCSD FINANCIAL AUDIT
JUNE 30, 2015

FUND	CASH BALANCE	INTERFUND LOAN	CASH POSITION
GENERAL FUND	4,211,905	(2,737,310)	1,474,595
WATER FUND	(1,652,586)	2,047,696	395,110
WASTEWATER FUND	(128,608)	689,614	561,006
TOTAL	2,430,711	0	2,430,711

LOAN HISTORY

WATER FUND LOANS	
PRIOR 2014	$157,726
2014 LOAN	2,094,181
2015 LOAN	485,403
TOTAL LOANS	$2,737,310

All Water Fund loans except $157,726 were paid off prior to 12/31/15

WASTEWATER FUND LOANS	
2015 LOAN	$689,614
TOTAL LOANS	$689,614

CCSD CURRENT CASH POSITION AND PROJECTION

Cash balances on November 30, 2016 were $3,401,956 as shown below. However, there were $39,621 in checks issued but still outstanding at the end of the month which leaves only $3,362,335 in cash actually available.

CCSD CASH POSITION
NOVEMBER 30, 2016

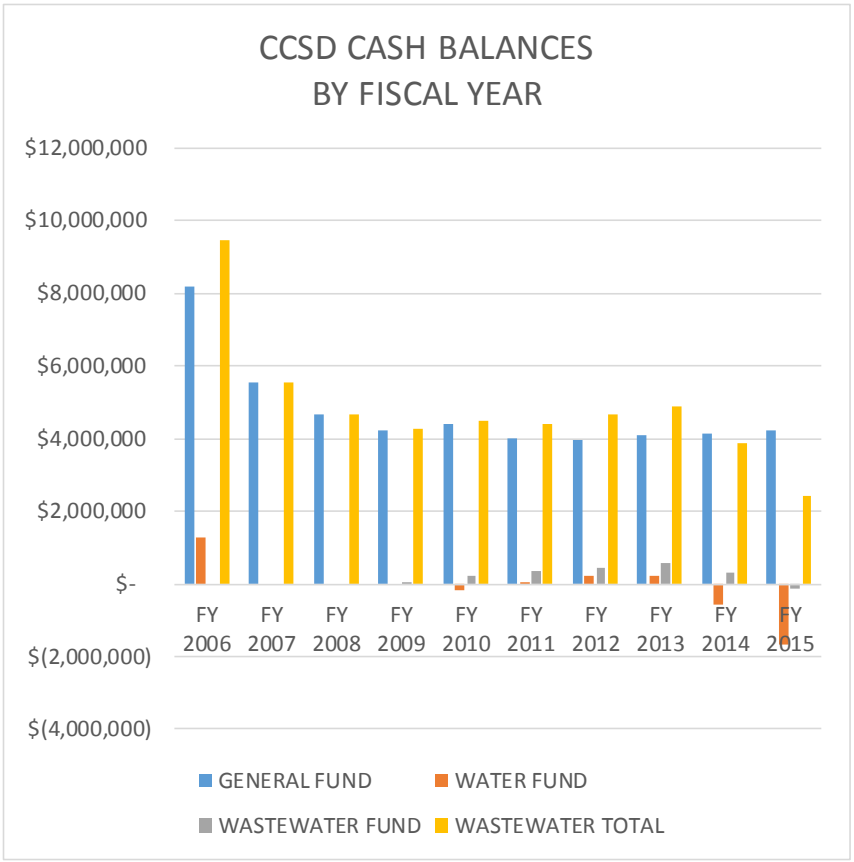
HOB CHECKING BALANCE	$324,398
HOB MONEY MARKET BALANCE	$505,937
LAIF BALANCE	$2,571,621
TOTAL CASH	$3,401,956
OUTSTANDING CHECKS	(39,621)
AVAILABLE CASH	$3,362,335

The cash flow projection for Cambria Community Services District for the Fiscal Year 2016-2017 is shown on the next page.

CCSD CASH FLOW PROJECTION 12/1/16 THROUGH 6/30/17 SUMMARY			
	Total	**SWF**	**All Other**
Balance 12/1/16	3,362,335	1,583,607	1,778,728
Projected Cash Received	6,568,370	-	6,568,370
Projected Cash Expended	6,885,013	1,172,604	5,712,409
Projected "Net Cash Flow"	(316,642)	(1,172,604)	855,962
Projected Cash Balance 6/30/17	3,045,693	411,003	2,634,690

CCSD CASH FLOW PROJECTION 12/1/16 THROUGH 6/30/17 DETAILS			
	Total	**SWF**	**All Other**
Balance 12/1/16	**3,362,335**	**1,583,607**	1,778,728
Projected Cash Receipts 12/1/16 thru 6/30/17			
WATR SALES	1,162,200		1,162,200
WTR STANDBY FEES	149,520		149,520
WATER WAIT LIST	-		-
WATER LOAN	600,000		600,000
AWTP SALES	508,200		508,200
AWTP OPS SALES	63,000		63,000
SWF GRANTS	278,743		278,743
WW SALES	1,116,000		1,116,000
WW STANDBY FEE'	99,960		99,960
PROPERTY TAX	1,992,172		1,992,172
FIRE BENEFIT	371,851		371,851
SAFER GRANT	47,628		47,628
FRANCHISE FEE	46,400		46,400
OTHER	132,697		132,697
Total Cash Received	**6,568,370**	**-**	**6,568,370**
Projected Expenditures 12/1/16 thru 6/30/17			
WAGES	2,558,436		2,558,436
OPS: FIRE	137,779		137,779
OPS: F&R/PROS	118,087		118,087
OPS: ADMIN	323,156		323,156
OPS: WATER	456,610		456,610
OPS: WASTEWTR	369,498		369,498
AWTP OPS	113,400		113,400
AWTP CCR	85,575		85,575
DEBT	699,415		699,415
DISPATCH	38,000		38,000
FISCALINI TANK	150,000		150,000
SANTA ROSA CR PROJ	-		-
SWF EIR MITIGATN/REG PERMIT	1,172,604	1,172,604	-
CAPITAL PROJECTS	662,453		662,453
Total Cash Expended	**6,885,013**	**1,172,604**	**5,712,409**
Projected Cash Balance 6/30/17	**3,045,693**	**411,003**	**2,634,690**

The following chart and table show audited cash balances in the three funds on June 30th of each fiscal year for the last ten years.



FY ENDING JUNE 30th	GENERAL FUND	WATER FUND	WASTEWATER FUND	TOTAL
FY 2006	$ 8,172,903	$ 1,290,772		$ 9,463,675
FY 2007	$ 5,561,428			$ 5,561,428
FY 2008	$ 4,658,444			$ 4,658,444
FY 2009	$ 4,237,597		$ 27,551	$ 4,265,148
FY 2010	$ 4,414,366	$ (157,726)	$ 242,400	$ 4,499,040
FY 2011	$ 4,001,132	$ 39,341	$ 345,804	$ 4,386,277
FY 2012	$ 3,972,897	$ 231,027	$ 450,891	$ 4,654,815
FY 2013	$ 4,096,965	$ 236,601	$ 556,700	$ 4,890,266
FY 2014	$ 4,152,573	$ (577,613)	$ 302,778	$ 3,877,738
FY 2015	$ 4,211,905	$ (1,652,586)	$ (128,608)	$ 2,430,711

DISTRICT DEBT SUMMARY

LONG TERM DEBT

FUND	DEBT HOLDER	PURPOSE	ORIGINAL PRINCIPAL	ISSUE DATE	AMOUNT DUE 6/30/16	FINAL PAYMENT DATE	INT RATE	ANNUAL PAYMENT
Water	Note 1	Note 1	$ 8,939,000	8/11/14	$ 8,485,573	8/1/34	4.11%	$659,426
Wtr/WW	Note 2	Note 2	$ 1,585,000	3/23/11	$ 1,085,000	9/23/23	4.55%	$161,985

SHORT TERM DEBT

FUND	DEBT HOLDER	PURPOSE	ORIGINAL PRINCIPAL	ISSUE DATE	AMOUNT DUE 6/30/16	FINAL PAYMENT DATE	INT RATE	ANNUAL PAYMENT
Various	Note 3	Note 3	$ 102,000	11/1/12	$ 26,736	4/1/17	3.25%	$ 26,736
Various	Note 4	Note 4	$ 53,611	10/30/13	$ 27,727	11/20/17	3.50%	$ 14,596
General	Note 5	Note 5	$ 31,350	7/31/13	$ 13,063	7/30/18	0.00%	$ 6,270
General	Note 6	Note 6	$ 32,612	2/26/16	$ 30,603	1/26/21	3.50%	$ 7,645

INTERNAL LOAN

In Fiscal Year 2009-2010, the Water Fund borrowed $166,000 from the General Fund to pay a required match on a grant from the Army Corps of Engineers. $157,726 of that loan has been outstanding since June 30, 2010.

NOTES

Note 1. Borrowed from Western Alliance Bank to finance construction of the Sustainable Water Facility.
Note 2. Borrowed from City National Bank to refund 1999 Water and Wastewater bonds.
Note 3. Borrowed from City National Bank to purchase 4 vehicles and 1 copier.
Note 4. Borrowed from Morton Revocable Trust for two trucks.
Note 5. Borrowed from John Deere Financial for a tractor.
Note 6. Borrowed from Ford Motor Credit for a truck.

2016

CAMBRIA COMMUNITY SERVICES DISTRICT
WATER PRODUCTION, BY SOURCE
ACRE-FEET

YEAR	SOURCE	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	1000.0 TOTAL	YEAR
	S.S.	51.20	57.90	63.20	47.30	57.40	44.20	50.00	51.70	41.90	37.40	27.40	36.00	565.60	
1988	S.R.	0.00	0.00	0.00	16.30	15.70	30.70	31.20	34.90	36.00	34.90	35.20	19.00	253.90	1988
	TOTAL	51.20	57.90	63.20	63.60	73.10	74.90	81.20	86.60	77.90	72.30	62.60	55.00	819.50	
	S.S.	51.00	47.90	53.90	61.90	57.20	62.20	69.20	60.90	36.30	38.70	42.60	40.60	622.40	
1989	S.R.	0.00	0.00	0.00	1.00	13.80	13.50	17.90	28.00	42.00	22.60	17.60	18.20	174.60	1989
	TOTAL	51.00	47.90	53.90	62.90	71.00	75.70	87.10	88.90	78.30	61.30	60.20	58.80	797.00	
	S.S.	45.70	47.00	55.28	44.75	31.46	32.34	40.00	38.00	31.91	31.40	29.40	29.90	457.14	
1990	S.R.	8.70	0.80	0.50	18.03	32.30	26.79	22.30	22.20	20.64	20.20	19.30	14.90	206.66	1990
	TOTAL	54.40	47.80	55.78	62.78	63.76	59.13	62.30	60.20	52.55	51.60	48.70	44.80	663.80	
	S.S.	26.90	23.10	32.70	39.60	48.60	44.10	40.10	34.80	30.50	28.00	26.40	30.10	404.90	
1991	S.R.	15.30	13.10	0.50	0.10	0.10	5.50	15.00	21.60	20.20	21.00	19.70	18.70	150.80	1991
	TOTAL	42.20	36.20	33.20	39.70	48.70	49.60	55.10	56.40	50.70	49.00	46.10	48.80	555.70	
	S.S.	45.30	42.20	45.90	55.20	64.00	58.10	44.90	41.80	35.00	32.80	34.00	43.10	542.30	
1992	S.R.	0.80	0.30	0.10	0.40	0.50	6.10	22.70	28.10	26.30	25.10	19.50	5.50	135.40	1992
	TOTAL	46.10	42.50	46.00	55.60	64.50	64.20	67.60	69.90	61.30	57.90	53.50	48.60	677.70	
	S.S.	50.10	45.70	52.60	56.30	68.30	68.80	68.10	69.80	59.80	56.10	51.40	43.50	690.50	
1993	S.R.	0.50	0.30	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1993
	TOTAL	50.60	46.00	52.60	56.30	68.40	68.80	68.10	69.80	59.80	56.10	51.40	43.50	691.40	
	S.S.	47.00	38.60	48.60	52.00	54.60	63.40	69.30	47.80	31.70	30.80	28.20	26.00	538.00	
1994	S.R.	0.00	0.00	0.00	0.00	0.10	0.00	0.00	25.00	30.20	27.70	21.20	19.90	124.10	1994
	TOTAL	47.00	38.60	48.60	52.00	54.70	63.40	69.30	72.80	61.90	58.50	49.40	45.90	662.10	
	S.S.	41.30	41.10	47.10	52.14	53.50	59.00	74.70	74.10	65.40	64.70	55.30	47.60	675.94	
1995	S.R.	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1995
	TOTAL	43.20	41.10	47.10	52.14	53.50	59.00	74.70	74.10	65.40	64.70	55.30	47.60	677.84	
	S.S.	46.66	43.40	47.39	56.95	66.18	70.83	75.70	77.27	68.23	65.58	50.37	49.43	717.99	
1996	S.R.	0.01	0.03	0.03	0.03	0.03	0.01	0.03	0.02	0.01	0.02	0.02	0.02	0.26	1996
	TOTAL	46.67	43.43	47.42	56.98	66.21	70.84	75.73	77.29	68.24	65.60	50.39	49.45	718.25	
	S.S.	50.61	49.20	65.66	68.65	76.18	79.14	82.31	57.02	37.32	27.50	38.96	45.96	678.51	
1997	S.R.	0.02	0.08	0.02	0.02	0.02	0.02	0.38	25.92	31.54	36.85	12.41	0.01	107.29	1997
	TOTAL	50.63	49.28	65.68	68.66	76.20	79.16	82.69	82.94	68.86	64.35	51.37	45.97	785.80	
	S.S.	44.39	46.36	47.00	50.53	56.43	63.43	77.75	80.30	68.35	66.58	54.06	52.13	707.31	
1998	S.R.	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.09	0.01	0.00	0.00	0.00	0.16	1998
	TOTAL	44.40	46.37	47.01	50.54	56.43	63.44	77.76	80.39	68.36	66.58	54.06	52.13	707.47	
	S.S.	56.40	45.26	52.16	57.40	70.43	71.35	85.41	82.68	69.45	68.04	57.78	57.69	774.05	
1999	S.R.	0.01	0.01	0.01	0.04	0.02	0.07	0.01	0.02	0.32	0.02	0.00	0.00	0.53	1999
	TOTAL	56.41	45.27	52.17	57.44	70.45	71.42	85.42	82.70	69.77	68.06	57.78	57.69	774.58	
	S.S.	56.41	50.43	55.27	65.40	70.84	73.60	85.00	84.68	73.30	65.60	58.49	59.80	798.82	
2000	S.R.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2000
	TOTAL	56.41	50.43	55.27	65.40	70.84	73.60	85.00	84.68	73.30	65.60	58.49	59.80	798.82	
	S.S.	56.16	48.05	55.92	60.69	73.30	77.51	85.01	78.50	53.45	56.21	48.16	52.29	745.25	
2001	S.R.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.78	21.08	16.87	8.06	0.89	52.68	2001
	TOTAL	56.16	48.05	55.92	60.69	73.30	77.51	85.01	84.28	74.53	73.08	56.22	53.18	797.93	
	S.S.	54.43	52.23	60.70	65.43	60.75	55.13	66.79	73.35	66.59	62.03	56.36	53.98	727.77	
2002	S.R.	1.28	1.27	1.10	1.11	14.82	22.79	19.54	9.67	3.52	4.02	2.04	0.55	81.71	2002
	TOTAL	55.71	53.50	61.80	66.54	75.57	77.92	86.33	83.02	70.11	66.05	58.40	54.53	809.48	
	S.S.	52.73	49.97	57.35	58.32	62.82	68.22	65.05	63.34	58.91	67.08	56.20	48.84	708.83	
2003	S.R.	0.70	1.11	0.48	0.94	1.84	5.63	19.77	22.04	16.00	6.58	3.12	5.84	84.05	2003
	TOTAL	53.43	51.08	57.83	59.26	64.66	73.85	84.82	85.38	74.91	73.66	59.32	54.68	792.88	

2016

CAMBRIA COMMUNITY SERVICES DISTRICT

WATER PRODUCTION, BY SOURCE

ACRE-FEET

YEAR	SOURCE	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	1000.0 TOTAL	YEAR
	S.S.	55.83	51.40	58.56	64.33	67.98	52.62	47.04	39.68	41.06	34.80	49.30	49.92	612.52	
2004	S.R.	0.00	0.61	1.17	4.84	8.68	22.08	30.80	36.30	27.32	24.95	1.73	1.63	160.11	2004
	TOTAL	55.83	52.01	59.73	69.17	76.66	74.70	77.84	75.98	68.38	59.75	51.03	51.55	772.63	
	S.S.	50.05	46.16	51.09	55.01	65.70	68.81	80.52	61.60	48.71	47.08	40.83	36.70	652.26	
2005	S.R.	0.00	0.62	0.93	0.76	0.76	0.73	1.64	17.32	20.25	21.69	16.92	7.36	88.98	2005
	TOTAL	50.05	46.78	52.02	55.77	66.46	69.54	82.16	78.92	68.96	68.77	57.75	44.06	741.24	
	S.S.	50.81	49.10	48.82	49.65	60.58	65.65	56.12	59.67	52.49	42.86	34.46	42.75	612.96	
2006	S.R.	0.00	0.78	0.00	0.62	0.74	2.56	23.58	20.72	20.17	23.88	26.46	13.63	133.14	2006
	TOTAL	50.81	49.88	48.82	50.27	61.32	68.21	79.70	80.39	72.66	66.74	60.92	56.38	746.10	
	S.S.	57.70	47.45	56.47	60.50	56.11	51.21	55.95	63.48	58.72	37.58	34.83	38.61	618.61	
2007	S.R.	0.00	0.00	0.60	1.81	14.47	22.24	23.47	12.37	5.29	18.70	21.20	9.42	129.57	2007
	TOTAL	57.70	47.45	57.07	62.31	70.58	73.45	79.42	75.85	64.01	56.28	56.03	48.03	748.18	
	S.S.	43.35	45.35	51.55	52.59	40.45	33.03	40.15	47.57	47.24	41.53	21.47	25.41	489.69	
2008	S.R.	2.33	0.67	0.71	2.20	24.69	33.55	32.94	24.87	18.26	21.03	32.21	24.46	217.92	2008
	TOTAL	45.68	46.02	52.26	54.79	65.14	66.58	73.09	72.44	65.50	62.56	53.68	49.87	707.61	
	S.S.	28.17	37.57	50.95	58.52	48.56	37.47	48.80	40.69	31.99	44.62	53.05	46.55	526.94	
2009	S.R.	24.83	3.81	0.00	0.00	13.53	26.06	25.21	34.10	32.64	11.02	0.00	1.34	172.54	2009
	TOTAL	53.00	41.38	50.95	58.52	62.09	63.53	74.01	74.79	64.63	55.64	53.05	47.89	699.48	
	S.S.	45.44	40.48	47.48	48.39	56.26	55.29	50.73	44.58	35.05	37.61	36.14	36.45	533.90	
2010	S.R.	0.00	0.00	0.77	0.62	0.68	8.74	21.96	27.30	32.52	21.71	14.48	9.73	138.51	2010
	TOTAL	45.44	40.48	48.25	49.01	56.94	64.03	72.69	71.88	67.57	59.32	50.62	46.18	672.41	
	S.S.	48.05	43.36	45.17	52.11	53.94	49.27	60.52	55.52	45.40	45.67	46.28	51.87	597.16	
2011	S.R.	0.00	0.70	0.00	0.76	6.65	11.03	12.97	14.82	19.45	14.15	5.19	0.00	85.72	2011
	TOTAL	48.05	44.06	45.17	52.87	60.59	60.30	73.49	70.34	64.85	59.82	51.47	51.87	682.88	
	S.S.	50.12	48.09	52.60	50.52	60.06	56.53	48.17	41.12	36.72	42.22	48.70	50.88	585.73	
2012	S.R.	3.54	0.79	0.00	0.66	1.44	11.14	27.95	33.22	29.98	21.43	8.86	0.00	139.01	2012
	TOTAL	53.66	48.88	52.60	51.18	61.50	67.67	76.12	74.34	66.70	63.65	57.56	50.88	724.74	
	S.S	51.09	47.40	54.72	55.27	63.18	46.01	60.82	72.32	57.73	29.84	26.72	28.61	593.70	
2013	S.R.	0.00	0.00	0.00	4.27	5.28	27.57	18.12	3.50	7.62	22.56	25.38	25.61	139.91	2013
	TOTAL	51.09	47.40	54.72	59.54	68.45	73.58	75.82	75.82	65.41	52.40	52.11	54.22	733.61	
	S.S	22.93	16.97	24.90	25.03	19.39	14.40	11.94	0.00	0.76	24.32	13.74	23.81	198.17	
2014	S.R.	34.69	19.85	10.00	10.44	18.88	24.19	30.89	43.09	36.26	12.06	18.63	9.62	268.59	2014
	TOTAL	57.62	36.82	34.90	35.04	38.27	41.02	42.82	43.09	37.01	36.37	32.36	33.44	466.76	
	S.S	19.95	16.65	17.16	17.79	16.18	14.14	15.14	17.39	20.36	26.17	23.74	21.23	225.89	
2015	S.R.	14.77	14.90	20.53	20.68	20.99	26.51	29.51	27.78	21.94	16.05	13.57	13.90	241.13	2015
	AWTP	5.55	14.34	12.49	7.61	0.00	0.00	0.00	0.00	3.68	8.07	6.29	10.89	68.92	
	TOTAL	34.72	31.55	37.69	38.47	37.17	40.65	44.65	45.17	42.30	42.22	37.31	35.13	467.02	
	S.S	16.43	9.51	19.84	21.88	24.30	30.90	30.40	29.68	29.02	8.07	5.82		225.84	
2016	S.R.	17.87	27.34	16.71	15.60	15.74	13.87	20.45	18.12	16.65	34.27	31.97		228.59	2016
	AWTP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.33	7.04		0.00	
	TOTAL	34.30	36.86	36.55	37.47	40.04	44.76	50.85	47.80	45.67	52.67	44.83		454.43	
	DIFFERENCE	-0.41	5.31	-1.13	-0.99	2.87	4.12	6.20	2.64	5.29	5.85	4.95	1.70	0.25	

12/516

CAMBRIA COMMUNITY SERVICES DISTRICT
WELL WATER LEVELS FOR 12/516

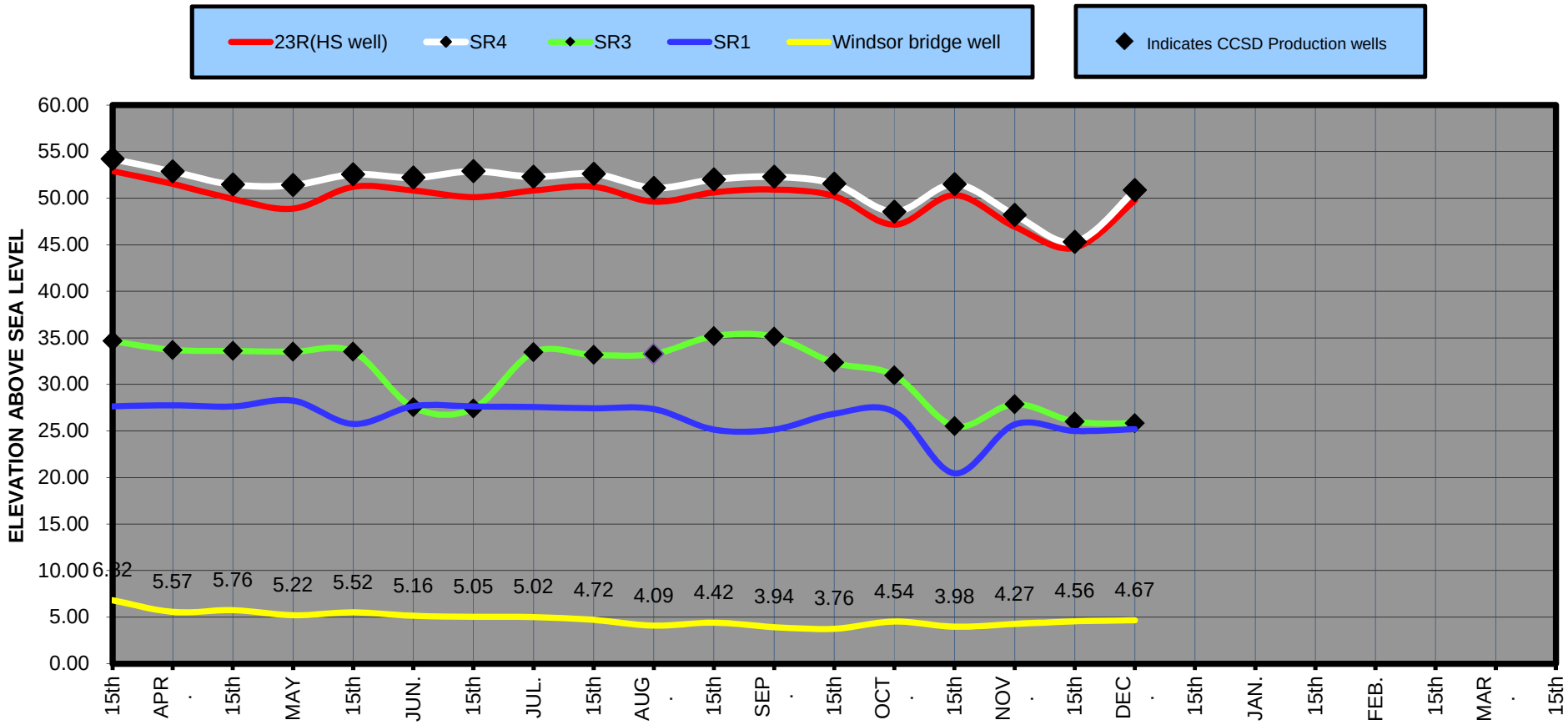
Well Code	Distance Ref. Point to Water Level	Reference Point Distance Above Sea Level	Depth of Water to Sea Level	Remarks
		SANTA ROSA CREEK WELLS		
23R	33.65	83.42	49.77	
SR4	31.13	82.00	50.87	
SR3	28.48	54.30	25.82	
SR1	21.20	46.40	25.20	
RP#1	22.19	46.25	24.06	
RP#2		33.11		Not Read
21R3	8.59	12.88	4.29	38560
WBE	12.20	16.87	4.67	
WBW	12.65	17.02	4.37	
AVERAGE LEVEL OF CCSD SANTA ROSA WELLS SR1 & SR3 =				25.51 FEET
		CCSD SANTA ROSA WELL SR4 =		**50.87** FEET
		SAN SIMEON CREEK WELLS		
16D1	7.95	11.36	3.41	
MW4	12.05	15.95	3.90	
MW1	21.59	42.11	20.52	
MW2	20.83	38.10	17.27	
MW3	27.23	49.56	22.33	
9M1	43.82	65.63	21.81	
9P2	11.13	19.11	7.98	
9P7	12.70	20.69	7.99	
9L1	15.50	27.33	11.83	
RIW		25.41		Not Read
SS4	16.10	25.92	9.82	**SS4 to 9P2 Gradient = + 1.84**
MIW	18.15	29.89	11.74	
SS3	22.25	33.73	11.48	
SS2	22.56	33.16	10.60	
SS1	22.70	32.37	9.67	
11B1	24.60	105.43	80.83	
11C1	19.42	98.20	78.78	
PFNW		93.22		Not Read
10A1	40.50	78.18	37.68	
10G2	32.58	62.95	30.37	
10G1	30.68	59.55	28.87	
10F2	38.89	66.92	28.03	
10M2	35.10	55.21	20.11	
9J3	27.22	43.45	16.23	
lagoon	20.22			mitigation errosion none
AVERAGE LEVEL OF CCSD SAN SIMEON WELLS SS1,SS2 & SS3 =				**10.58** FEET

revised 6/6/16

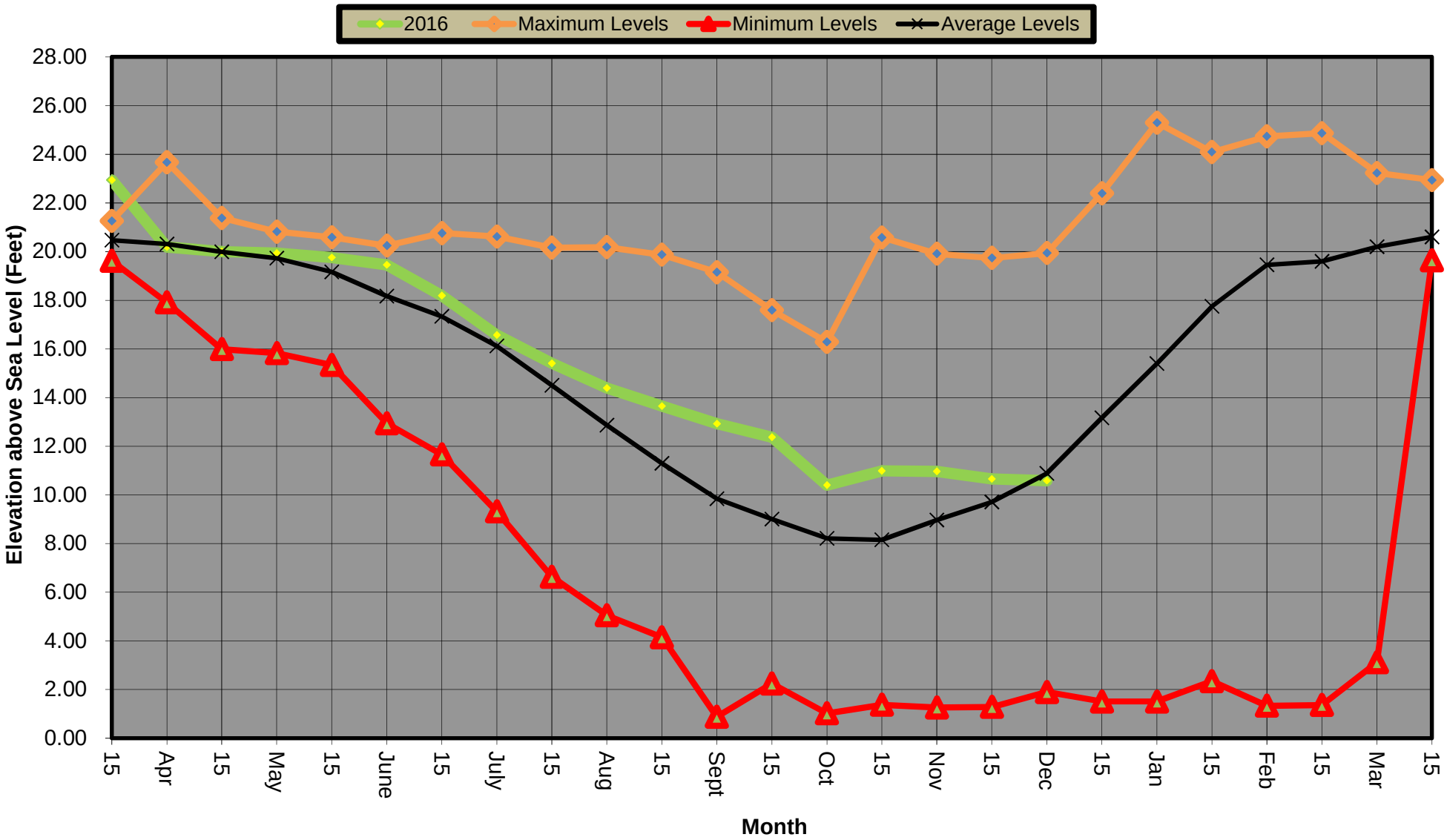
Red Font are the CCSD's Production Wells, as measured on 12/516

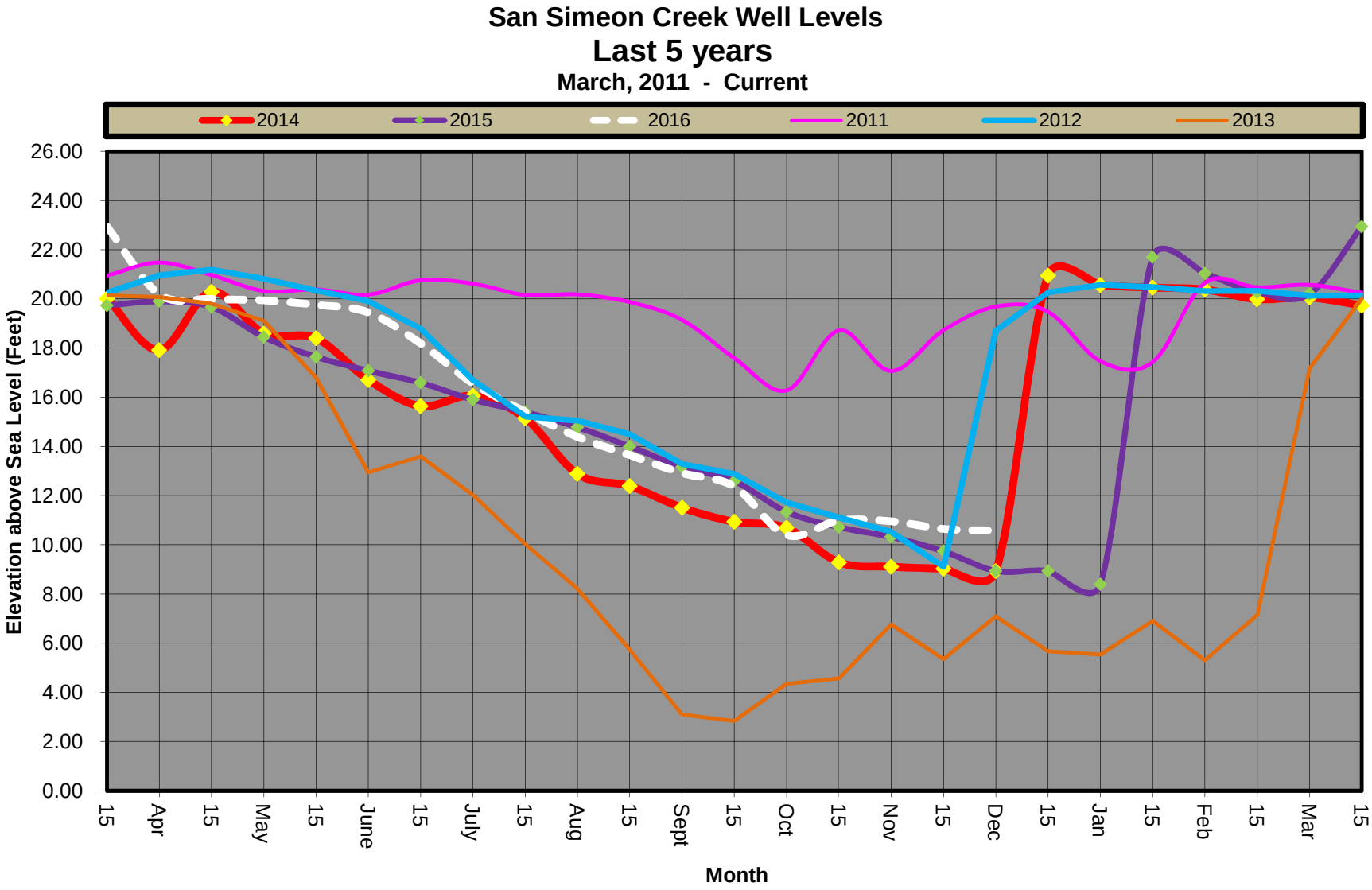
Reference point on 16d1,miw1,miw2,miw3,9p7,riw,miw1,ss1,ss2 and ss3 updated 2/17/2015

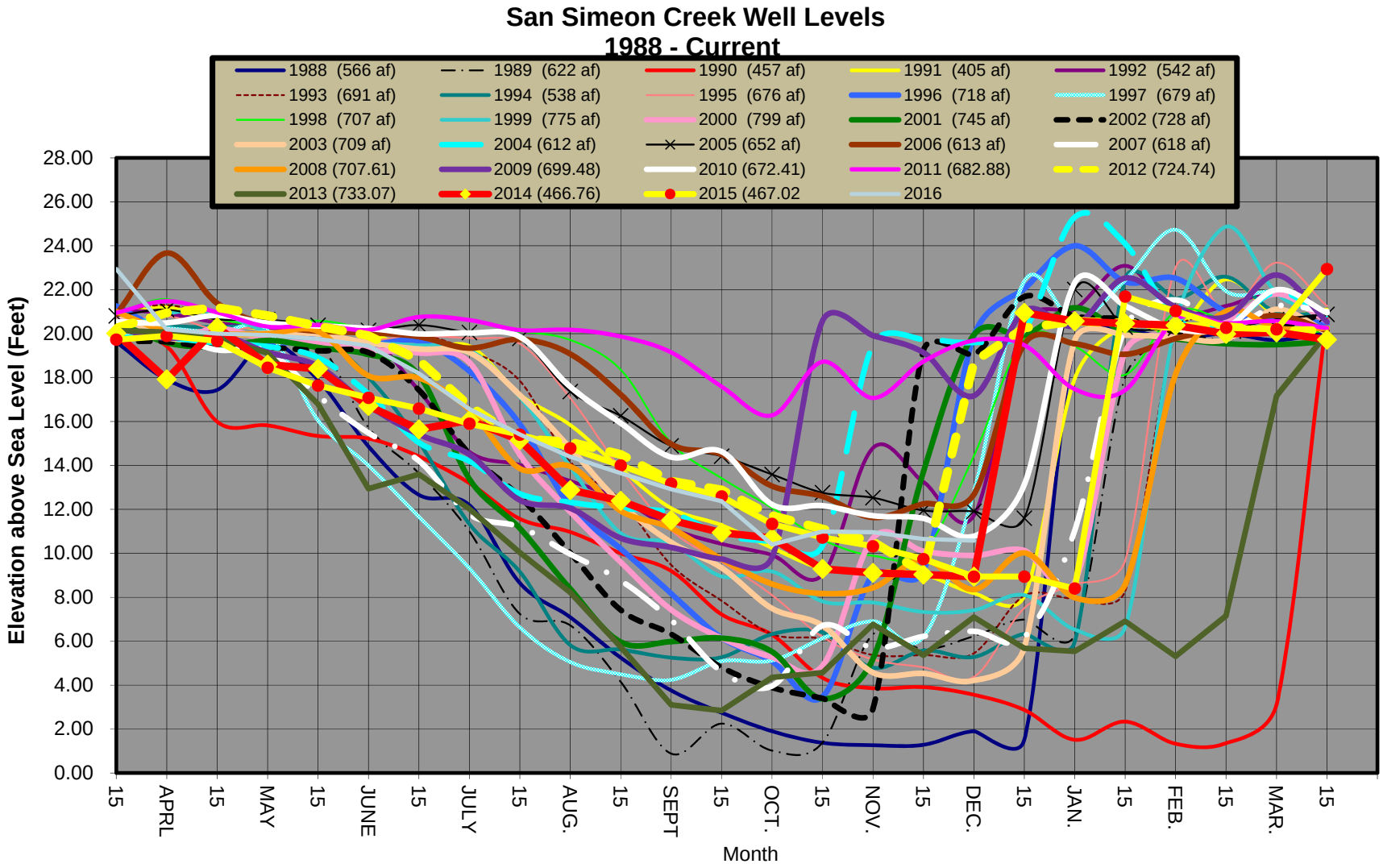
SANTA ROSA CREEK WELL LEVELS
March 15th, 2016 - Current

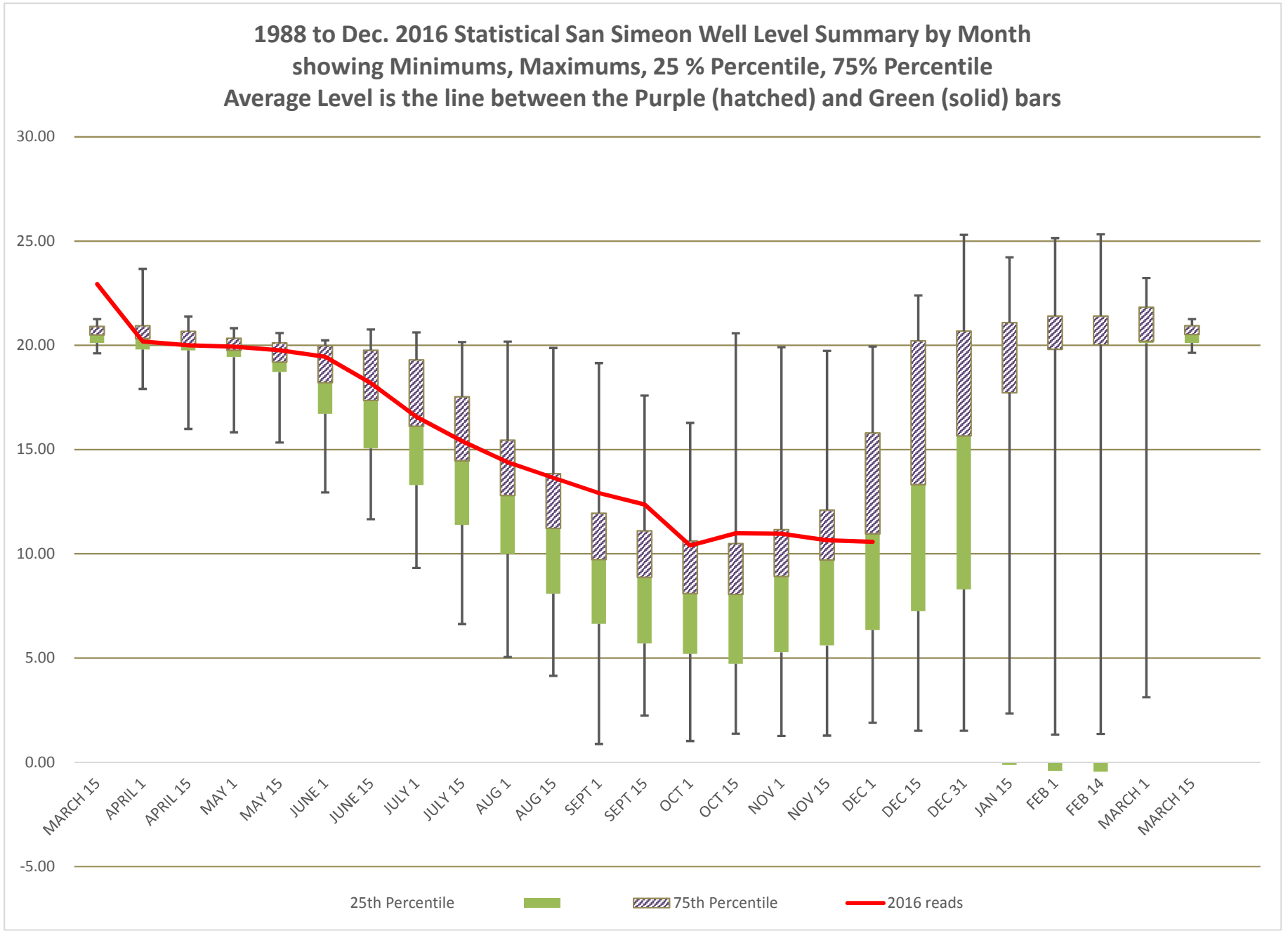


San Simeon Creek Well Levels
Water Year 2016/2017 levels to date and
1988 to Current Min, Max, & Average




San Simeon Creek Well Levels
Last 5 years
March, 2011 - Current
2014
2015
2016
2011
2012
2013
Elevation above Sea Level (Feet)
26.00
24.00
22.00
20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
15
Apr
15
May
15
June
15
July
15
Aug
15
Sept
15
Oct
15
Nov
15
Dec
15
Jan
15
Feb
15
Mar
15
Month


San Simeon Creek Well Levels
1988 - Current
1988 (566 af)
1989 (622 af)
1990 (457 af)
1991 (405 af)
1992 (542 af)
1993 (691 af)
1994 (538 af)
1995 (676 af)
1996 (718 af)
1997 (679 af)
1998 (707 af)
1999 (775 af)
2000 (799 af)
2001 (745 af)
2002 (728 af)
2003 (709 af)
2004 (612 af)
2005 (652 af)
2006 (613 af)
2007 (618 af)
2008 (707.61)
2009 (699.48)
2010 (672.41)
2011 (682.88)
2012 (724.74)
2013 (733.07)
2014 (466.76)
2015 (467.02
2016
Elevation above Sea Level (Feet)
28.00
26.00
24.00
22.00
20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
15
APRL
15
MAY
15
JUNE
15
JULY
15
AUG.
15
SEPT
15
OCT.
15
NOV.
15
DEC.
15
JAN.
15
FEB.
15
MAR.
15
Month


1988 to Dec. 2016 Statistical San Simeon Well Level Summary by Month
showing Minimums, Maximums, 25 % Percentile, 75% Percentile
Average Level is the line between the Purple (hatched) and Green (solid) bars
30.00
25.00
20.00
15.00
10.00
5.00
0.00
-5.00
MARCH 15
APRIL 1
APRIL 15
MAY 1
MAY 15
JUNE 1
JUNE 15
JULY 1
JULY 15
AUG 1
AUG 15
SEPT 1
SEPT 15
OCT 1
OCT 15
NOV 1
NOV 15
DEC 1
DEC 15
DEC 31
JAN 15
FEB 1
FEB 14
MARCH 1
MARCH 15
25th Percentile
75th Percentile
2016 reads

CMB Fire Monthly Stats: Incidents

Categories	16-Jan	16-Feb	16-Mar	16-Apr	16-May	16-Jun	16-Jul	16-Aug	16-Sep	16-Oct	16-Nov	Dec-16	Totals
Fire	1	0	1	2	0	1	0	0	1	0	**0**		**6**
Hazardous Mat.	0	0	0	0	0	0	0	0	0	0	**0**		**0**
Medical	53	50	47	47	46	42	46	46	42	45	**47**		**511**
(Ocean Rescue)						0	0	0	1	0	**0**		**1**
(Cliffside Rescue)						0	0	0	0	0	**0**		**0**
Vehicle TC	1	2	1	0	0	1	3	1	2	2	**2**		**15**
Hazardous Situations	13	2	16	1	1	4	0	0	1	7	**1**		**46**
Public Service Assist	16	10	17	6	10	5	7	9	3	11	**18**		**112**
False Alarms	10	3	10	6	14	20	10	11	12	13	**13**		**122**
Agency Assist	0	0	0	0	0	0	0	0	0	0	**0**		**0**
Mutual Aid	0	0	0	0	0	2	2	1	0	0	**0**		**5**
(Structure Fire)						1	0	0	0	0	**0**		**1**
(Vegetation Fire - In County)						0	2	1	0	0	**0**		**3**
(Vegetation Fire - Out of County)						1	0	0	0	0	**0**		**1**
Auto Aid	1	0	0	3	3	2	1	0	2	0	**2**		**14**
(Structure Fire)						0	0	0	0	0	**0**		**0**
(Vegetation Fire)						1	0	0	0	0	**0**		**1**
(Vehicle Accident)						1	1	0	2	0	**2**		**6**
Fire Investigations	0	0	0	0	0	0	0	0	0	0	**0**		**0**
Monthly Response Totals	**95**	**67**	**92**	**65**	**74**	**77**	**69**	**68**	**63**	**78**	**85**	**0**	**833**

CAMBRIA COMMUNITY SERVICES DISTRICT

PARKS, RECREATION AND OPEN SPACE COMMISSION

2017 ADOPTED REGULAR MEETING SCHEDULE

FIRST TUESDAY OF EACH MONTH

JANUARY 3rd

FEBRUARY 7th

MARCH 7th

APRIL 4th

MAY 2nd

JUNE 6th

JULY 11th

(The first Tuesday of the month is July 4, 2017)

AUGUST 1st

SEPTEMBER 5th

OCTOBER 3rd

NOVEMBER 7th

DECEMBER 5th

Regular meetings are held at the Veterans Hall

1000 Main St, Cambria at 10:00 AM

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	95.00	WD/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	499.80	WD/METAL CHLORIDE NITRATES NITRITES AMMONIA
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	75.60	WD/TOTAL NITROGEN
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	524.80	WD/TOTAL SUSPENDED/DISSOLVED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	65.00	WW/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	85.00	WW/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	100.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	100.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	100.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	100.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	85.00	WW/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	100.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63740	11/3/2016	1	190.00	WW/LAB DIRECTOR FEES FOR OCTOBER 2016
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,614.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,589.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,589.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,589.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,614.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,589.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,589.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63797	11/10/2016	1	2,589.80	WD/BSK SEMI ANNUAL WITH 10% ABALONE UP CHARG
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	50.60	SWF/TOTAL NITROGEN
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	499.80	WD/SUSPENDED SOLIDS METAL CHLORIDE NITRITES BC
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	50.60	WD/TOTAL NITROGEN
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	100.00	SWF/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	65.00	WW/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	121.00	SWF/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	100.00	SWF/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	100.00	WW/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	96.00	SWF/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	121.00	SWF/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	128.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	75.00	WW/TOTAL SUSPENDED SOLIDS
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	128.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63838	11/17/2016	1	153.00	WD/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	770.00	SWF/SUCRALOSE & CAFFEINE
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	75.60	WD/TOTAL NITROGEN
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	50.00	WW/TSS
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	128.00	SWF/TOTAL COLIFORM
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	128.00	SWF/TOTAL COLIFORM
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	128.00	SWF/COLIFORM
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	128.00	SWF/TOTAL COLIFORM
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	128.00	SWF/TOTAL COLIFORM
ABALONE COAST ANALYTICAL, INC.	63876	11/23/2016	1	47.50	WW/LAB DIRECTOR FEES FOR NOVEMBER 2016
				26,259.70	
ACCURATE MAILING SERVICE	63726	11/2/2016	1	700.00	WD/POSTAGE DEPOSIT UTILITY BILLS 11/2016
ACCURATE MAILING SERVICE	63726	11/2/2016	2	700.00	WW/POSTAGE DEPOSIT UTILITY BILLS 11/2016
ACCURATE MAILING SERVICE	63726	11/2/2016	3	100.00	WD/MAILING SERVICES UTILITY BILLS 11/2016
ACCURATE MAILING SERVICE	63726	11/2/2016	4	100.00	WW/MAILING SERVICES UTILITY BILLS 11/2016
ACCURATE MAILING SERVICE	63839	11/17/2016	1	(700.00)	WD/PRE-PAY POSTAGE SEPTEMBER OCTOBER UTIL BIL
ACCURATE MAILING SERVICE	63839	11/17/2016	2	(700.00)	WW/PRE-PAY POSTAGE SEPTEMBER OCTOBER UTIL BIL
ACCURATE MAILING SERVICE	63839	11/17/2016	3	830.61	WD/REMAINDER DUE POSTAGE SEPT OCTOBER UTIL BI
ACCURATE MAILING SERVICE	63839	11/17/2016	4	830.62	WW/REMAINDER DUE POSTAGE SEPT OCTOBER UTIL B

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
ACCURATE MAILING SERVICE	63839	11/17/2016	5	(100.00)	WD/PRE-PAY MAILING SERVICES SEPT OCT UTIL BILLS
ACCURATE MAILING SERVICE	63839	11/17/2016	6	(100.00)	WW/PRE-PAY MAILING SERVICES SEPT OCT UTIL BILLS
ACCURATE MAILING SERVICE	63839	11/17/2016	7	334.34	WD/REMAINDER DUE MAILING SERV SEPT OCT UTIL BI
ACCURATE MAILING SERVICE	63839	11/17/2016	8	334.34	WW/REMAINDER DUE MAILING SERV SEPT OCT UTIL B
				2,329.91	
ADVANTAGE TECH SVCS, INC.	63877	11/23/2016	1	13,504.20	WD/FISCALINI TANK CONSTRUCTION MANAGEMENT
AGP VIDEO	63798	11/10/2016	1	1,550.00	ADM/VIDEO PROD DIST & STREAM BRD MTG 10/11 & 1
AL'S SEPTIC PUMPING, INC	63841	11/17/2016	1	355.00	WD/PUMPING AND DISPOSAL OF SEPTIC WASTE
ALLIANT INSURANCE SERVICES, IN	63764	11/3/2016	1	54,000.00	SWF/SUSTAINABLE WATER FACILITY PREFORMANCE BO
ALLSTAR INDUSTRIAL SUPPLY	63799	11/10/2016	1	783.84	WW/WALMOUNT KIT MAGFLO TRANSMITTERS
ALLSTAR INDUSTRIAL SUPPLY	63799	11/10/2016	1	624.42	WW/SCREWS NUTS WATER VALVE FLANGE
				1,408.26	
ALPHA ELECTRICAL SERVICE	63741	11/3/2016	1	1,500.00	WW/SCADA PROGRAMMED EFFLUENT VFD 1
ALPHA ELECTRICAL SERVICE	63741	11/3/2016	1	731.32	WW/TROUBLESHOOT CONTROL RELAYS/CONTROL SYS
ALPHA ELECTRICAL SERVICE	63741	11/3/2016	1	1,950.00	WD/TROUBLESHOOT VALVE OPEN/CLOSE SHUTDOWN
ALPHA ELECTRICAL SERVICE	63800	11/10/2016	1	4,927.05	WW/REROUTED ALARMS FROM BLOWER THROUGH SC
ALPHA ELECTRICAL SERVICE	63800	11/10/2016	1	24,570.23	WD/WELL FIELD CONTROL SYSTEM UPGRADE
ALPHA ELECTRICAL SERVICE	63800	11/10/2016	1	300.00	SWF/TROUBLESHOOT CONNECTION TO CONFIRM SETT
ALPHA ELECTRICAL SERVICE	63800	11/10/2016	1	905.00	WW/TROUBLESHOOT BLOWER STARTUP ISSUES
ALPHA ELECTRICAL SERVICE	63840	11/17/2016	1	4,930.79	WW/INTEGRATION MODICON SCADA
ALPHA ELECTRICAL SERVICE	63878	11/23/2016	1	4,774.43	WW/LIFT STATION B4 UPGRADE STATION CONTROL
				44,588.82	
AT&T	63742	11/3/2016	1	207.35	WW/ALARM LIFT STATION B4 PHONE SERV 11/24/16
AT&T	63842	11/17/2016	1	297.60	WD/ALARM AT VAN GORDON WELL FIELD NOV 2016
				504.95	
AUSTIN-MAC, INC.	63843	11/17/2016	1	666.96	WW/DISCHARGE EXTENSION
BADER, LANE & CHRISTY	63743	11/3/2016	1	398.30	RC/ASSIGNMENT DEPOSIT REFUND
BADER, LANE & CHRISTY	63880	11/23/2016	1	359.12	RC/TRANSFER REFUND
				757.42	
BALANCE PUBLIC RELATIONS	63728	11/2/2016	1	2,833.33	WD/CONSULTING SERVICE: GRANT FUNDING 11/2016
BALANCE PUBLIC RELATIONS	63728	11/2/2016	2	2,833.33	WW/CONSULTING SERVICE: GRANT FUNDING 11/2016
BALANCE PUBLIC RELATIONS	63728	11/2/2016	3	2,833.34	SWF/CONSULTING SERVICE: GRANT FUNDING 11/2016
				8,500.00	
BOB WRIGHT CONSTRUCTION	63835	11/10/2016	1	575.00	WW/REMOVE DEBRIS FROM MANHOLE POUR NEW CO
BRENNTAG PACIFIC, INC.	63744	11/3/2016	1	546.74	WD/CHEMICALS
BRENNTAG PACIFIC, INC.	63845	11/17/2016	1	1,920.89	WD/CHEMICALS
BRENNTAG PACIFIC, INC.	63845	11/17/2016	1	342.52	WD/CHEMICALS
BRENNTAG PACIFIC, INC.	63881	11/23/2016	1	365.29	WD/CHEMICALS
				3,175.44	
BREZDEN PEST CONTROL, INC.	63802	11/10/2016	1	195.00	ADM/PEST CONTROL SERVICES FOR ADMIN OFFICE

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
BRIDGELINE DIGITAL INC.	63882	11/23/2016	1	200.75	ADM/MONTH HOSTING FEE DECEMBER 2016
BUHL, JASON	63729	11/2/2016	1	45.00	WD/CELL PHONE REIMBURSEMENT
BUSINESSPLANS, INC.	63846	11/17/2016	1	257.00	ADM/MONTHLY HRA PLAN NOVEMBER 2016
CAL SPECIAL DIST ASSOC (CSDA)	63803	11/10/2016	1	6,485.00	ADM/2017 MEMBERSHIP DUES
CAL WATER ENVIRONMNT ASSN	63852	11/17/2016	1	172.00	WW/2017 CWEA ASSOCIATION MEMEBERSHIP
CAL WATER ENVIRONMNT ASSN	63852	11/17/2016	2	83.00	WW/LABORATORY ANALYLIST GRADE 1 CERTIFICATE
				255.00	
CAMBRIA AUTO SUPPLY LP	63801	11/10/2016	1	176.25	F&R/MAINT & REPAIR BATTERY
CAMBRIA AUTO SUPPLY LP	63844	11/17/2016	1	28.87	FD/SEVERE DUTY WINDSHIELD WIPERS
CAMBRIA AUTO SUPPLY LP	63844	11/17/2016	1	42.12	FD/MAINT & REPAIR TRAILER WIRE & ADAPTER
CAMBRIA AUTO SUPPLY LP	63844	11/17/2016	1	37.90	WD/MAINT & REPAIR DELUXE RATCHET
CAMBRIA AUTO SUPPLY LP	63879	11/23/2016	1	75.64	FD/MAINT & REPAIR WIPER BLADES PREMIUM
CAMBRIA AUTO SUPPLY LP	63879	11/23/2016	1	5.16	FD/MAINT & REPAIR CAP
				365.94	
CAMBRIA BUSINESS CENTER	63847	11/17/2016	1	77.00	FD/UPS SERVICES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	1	18.26	WW/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	2	174.09	WW/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	3	114.80	WW/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	1	50.79	ADM/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	1	165.57	F&R/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	2	11.69	F&R/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	3	27.92	F&R/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63820	11/10/2016	4	27.92	F&R/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63860	11/17/2016	1	4.29	WD/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63860	11/17/2016	2	66.19	WD/HARDWARE SUPPLIES
CAMBRIA HARDWARE CENTER	63860	11/17/2016	1	32.22	FD/HARDWARE SUPPLIES
				693.74	
CAMBRIA ROCK	63758	11/3/2016	1	1,902.79	WD/12.92 TONS 3/8' COLD MIX
CAMBRIA VILLAGE SQUARE	63739	11/2/2016	1	3,431.45	ADM/MONTHLY OFFICE LEASE PMT 1316 TAMSEN 11/
CARMEL & NACCASHA LLP	63730	11/2/2016	1	10,000.00	ADM/MONTHLY RETAINER 11/2016
CARMEL & NACCASHA LLP	63848	11/17/2016	1	403.57	FD/COUNSEL SERVICES FOR OCTOBER 2016
CARMEL & NACCASHA LLP	63848	11/17/2016	2	2,231.25	F&R/COUNSEL SERVICES FOR OCTOBER 2016
CARMEL & NACCASHA LLP	63848	11/17/2016	3	7,953.78	ADM/COUNSEL SERVICES FOR OCTOBER 2016
CARMEL & NACCASHA LLP	63848	11/17/2016	4	1,520.19	WD/COUNSEL SERVICES FOR OCTOBER 2016
CARMEL & NACCASHA LLP	63848	11/17/2016	5	2,709.71	SWF/COUNSEL SERVICES FOR OCTOBER 2016
CARMEL & NACCASHA LLP	63848	11/17/2016	6	(10,000.00)	ADM/REVERSE AMOUNT OF RETAINER
CARMEL & NACCASHA LLP	63848	11/17/2016	1	250.00	WD/COUNSEL SERVICES OCTOBER 2016
CARMEL & NACCASHA LLP	63848	11/17/2016	2	540.00	SWF/COUNSEL SERVICES OCTOBER 2016
				15,608.50	
CAROLYN WINFREY	63834	11/10/2016	1	40.15	ADM/INTEGRATED REG WATER MTMT/RWMG MONTH
CAROLYN WINFREY	63834	11/10/2016	1	2,872.49	ADM/MOVING EXPENSE COSTS
				2,912.64	

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
CASTELLANOS, MICHAEL	63804	11/10/2016	1	433.00	FD/REIMBURSEMENT FOR ENGINEER TRAINING SYMPC
CAYOCOS COLLECTIVE	63745	11/3/2016	1	133.29	F&R/HATS AND CAPS
CAYOCOS COLLECTIVE	63745	11/3/2016	2	193.50	WD/HATS AND CAPS
CAYOCOS COLLECTIVE	63745	11/3/2016	3	178.46	WW/HATS AND CAPS
				505.25	
CENTRAL COAST COFFEE ROASTING	63805	11/10/2016	1	66.30	WW/OFFICE SUPPLIES COFFEE ORDER
CENTRAL COAST COFFEE ROASTING	63805	11/10/2016	1	103.68	ADN/OFFICE SUPPLIES COFFEE ORDER
CENTRAL COAST COFFEE ROASTING	63849	11/17/2016	1	123.66	F&R/COFFEE ORDER
				293.64	
CHARTER COMMUNICATIONS	63884	11/23/2016	1	219.28	FD/FIBER CONNECTION AND PHONE NOVEMBER 2016
CHARTER COMMUNICATIONS	63884	11/23/2016	2	219.28	F&R/FIBER CONNECTION AND PHONE NOVEMBER 201(
CHARTER COMMUNICATIONS	63884	11/23/2016	3	219.28	ADM/FIBER CONNECTION AND PHONE NOVEMBER 201
CHARTER COMMUNICATIONS	63884	11/23/2016	4	219.28	WD/FIBER CONNECTION AND PHONE NOVEMBER 2016
CHARTER COMMUNICATIONS	63884	11/23/2016	5	219.28	WW/FIBER CONNECTION AND PHONE NOVEMBER 201
				1,096.40	
CHOA, ELLEN	63883	11/23/2016	1	359.12	RC/TRANSFER REFUND
CIVIL DESIGN STUDIO INC.	63806	11/10/2016	1	712.48	F&R/PROJECT MANAGEMENT DOG PARK FENCE DESIGI
COASTAL COPY, LP	63885	11/23/2016	1	308.52	ADM/USAGE C3503 10/14/16 - 11/13/16
CORBIN WILLITS SYSTEMS	63731	11/2/2016	1	1,224.12	ADM/MONTHLY SUPPORT AGRMT - MOM SOFTWARE :
CORRPRO COMPANIES, INC.	63850	11/17/2016	1	3,360.00	WD/INSPECTION SERVICE RESERVOIR & STEEL TANK
COURIER SYSTEMS	63886	11/23/2016	1	14.00	ADM/PUBLIC RECORDS REQUEST MICROFICHE MINUTE
COURIER SYSTEMS	63886	11/23/2016	1	14.00	ADM/PUBLIC RECORDS REQUEST MICROFICHE MINUTE
				28.00	
CROSNO CONSTRUCTION INC	63807	11/10/2016	1	74,386.37	WD/FISCALINI WTR TANK REPL WORK COMPLETED 10/
CRYSTAL SPRINGS WATER CO.	63808	11/10/2016	1	33.94	WW/SPRING DRINKING WATER
CRYSTAL SPRINGS WATER CO.	63808	11/10/2016	1	44.45	WW/SPRING DRINKING WATER DISTILLED WATER
				78.39	
DAVID CRYE, INC	63809	11/10/2016	1	125.99	F&R/8.30 TONS OF CLASS II BASE - B
DAVID MILLER	63724	11/2/2016	1	44.46	MQ CUSTOMER REFUND
DIANA'S CLEANING SERVICES	63746	11/3/2016	1	150.00	WD/MONTHLY CLEANING
DIANA'S CLEANING SERVICES	63746	11/3/2016	2	150.00	WW/MONTHLY CLEANING
				300.00	
EMPLOYMENT DEVELOPMENT DEPT L	63812	11/10/2016	1	1,211.10	WW/UNEMPLOYMENT BENEFITS
FENCE FACTORY, THE	63813	11/10/2016	1	52.50	F&R/TEMPORARY FENCE RENTAL 10/27 - 11/26/16
FENCE FACTORY, THE	63854	11/17/2016	1	3,182.00	SWF/REPLACE DAMAGED CHAIN LINK FENCE
				3,234.50	
FERGUSON ENTERPRISES, INC #135	63747	11/3/2016	1	150.08	WD/20770 NO 3 WAY 120 VAC SLDN VLV

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FERGUSON ENTERPRISES, INC #135	63855	11/17/2016	1	330.69	WW/6 MEGAFLANGE FLG ADAPTER
FERGUSON ENTERPRISES, INC #135	63855	11/17/2016	1	1,603.80	WD/VALUE VALVE
FERGUSON ENTERPRISES, INC #135	63855	11/17/2016	1	1,145.42	WD/VALUE VALVE 120VAC ELEC ACT
				3,229.99	
FGL ENVIRONMENTAL	63748	11/3/2016	1	138.00	WD/INORGANIC ANALYSIS 09/22/16
FGL ENVIRONMENTAL	63748	11/3/2016	1	90.00	WD/BACTI AND SUPPORT ANALYSIS 10/18/16
FGL ENVIRONMENTAL	63814	11/10/2016	1	209.00	WW/INORGANIC ANALYSIS WET CHEMISTRY
FGL ENVIRONMENTAL	63814	11/10/2016	1	209.00	WW/INORGANIC ANALYSIS WET CHEMISTRY
FGL ENVIRONMENTAL	63814	11/10/2016	1	668.00	WW/INORGANIC ORGANIC AND SUPPORT ANALYSIS 09
FGL ENVIRONMENTAL	63814	11/10/2016	1	1,130.00	WW/INORGANIC ANALYSIS WET CHEMISTRY
FGL ENVIRONMENTAL	63856	11/17/2016	1	23.00	WD/INORGANIC ANALYSIS 09/27/16
FGL ENVIRONMENTAL	63856	11/17/2016	1	184.00	WD/INORGANIC ANALYSIS 10/06/16
FGL ENVIRONMENTAL	63856	11/17/2016	1	207.00	WD/INORGANIC ANALYSIS 10/19/16
FGL ENVIRONMENTAL	63856	11/17/2016	1	90.00	WD/BACTI AND SUPPORT ANALYSIS 10/25/16
FGL ENVIRONMENTAL	63856	11/17/2016	1	46.00	WD/INORGANIC ANALYSIS 10/25/16
FGL ENVIRONMENTAL	63887	11/23/2016	1	110.00	WD/BACTI & SUPPORT ANALYSIS 11/01/16
FGL ENVIRONMENTAL	63887	11/23/2016	1	20.00	WD/BACTI ANALYSIS 11/08/16
FGL ENVIRONMENTAL	63887	11/23/2016	1	90.00	WD/BACTI & SUPPORT ANALYSIS 10/08/16
FGL ENVIRONMENTAL	63887	11/23/2016	1	125.00	WD/BACTI ANALYSIS 11/08/16
				3,339.00	
FIRST BANKCARD	63836	11/15/2016	2	72.10	F&R/GUIDE RULE LS 1013
FIRST BANKCARD	63836	11/15/2016	3	133.58	F&R/FOREST RESTORATION PROJECT MEETING
FIRST BANKCARD	63836	11/15/2016	4	1,199.98	F&R/2 CAMERA SYSTEMS FOR PUBLIC RESTROOMS
FIRST BANKCARD	63836	11/15/2016	5	137.78	F&R/BLADE ADJUSTING HANDLE RIP FENCE ASSEMBLY
FIRST BANKCARD	63836	11/15/2016	6	2,106.67	F&R/KREG PRECISION ROUTER TABLE ROUTER BITS
FIRST BANKCARD	63836	11/15/2016	2	10.00	ADM/NOTARY SERVICE LAND CONSERVANCY DEED
FIRST BANKCARD	63836	11/15/2016	2	354.87	FD/INSPECTION FORMS FOR COMMERCIAL OCCUPANT
FIRST BANKCARD	63836	11/15/2016	3	788.00	FD/DRIVER OPERATOR 1B COURSE CASTELLANOS/POEI
FIRST BANKCARD	63836	11/15/2016	4	76.57	FD/FUEL FOR FIRE VEHICLE PUMPS DOWN
FIRST BANKCARD	63836	11/15/2016	2	25.00	ADM/MEETING EXPENSE PERS DISCUSSION ON FLSA
FIRST BANKCARD	63836	11/15/2016	3	2.68	ADM/RACEPRO WINDSHIELD WASH DISTRICT VEHICLE
FIRST BANKCARD	63836	11/15/2016	4	29.52	ADM/FUEL FOR DISTRICT VEHICLE
FIRST BANKCARD	63836	11/15/2016	5	52.96	ADM/RECRUITMENT STRATEGIES HR GROUP MEETING
FIRST BANKCARD	63836	11/15/2016	6	15.00	FD/RESERVE FIREFIGHER POSTING CRAIGSLIST
FIRST BANKCARD	63836	11/15/2016	7	84.99	ADM/LAPTOP MESSENGER BAG
FIRST BANKCARD	63836	11/15/2016	8	51.41	ADM/2017 CALENDAR PLANNER WEEKLY/MONTHLY
FIRST BANKCARD	63836	11/15/2016	9	68.98	ADM/LAPTOP SLEEVE
FIRST BANKCARD	63836	11/15/2016	10	14.99	ADM/ADOBE ACROPRO MONTHLY SUBSCRIPTION OCT
FIRST BANKCARD	63836	11/15/2016	11	21.49	ADM/DELL NOTEBOOK ADAPTER
FIRST BANKCARD	63836	11/15/2016	12	56.73	ADM/AT A GLANCE REFILLABLE CALENDAR/PLANNER
FIRST BANKCARD	63836	11/15/2016	2	3,960.00	FD/8 FF REGISTRATION WATER RESCUE COURSE THRU
FIRST BANKCARD	63836	11/15/2016	3	50.00	FD/GLUCOSE TESTING STRIPS
FIRST BANKCARD	63836	11/15/2016	4	18.00	FD/FULCRUM APPLICATION MONTHLY SERVICE FEE
FIRST BANKCARD	63836	11/15/2016	5	39.00	FD/OVERLIMIT CHARGES
FIRST BANKCARD	63836	11/15/2016	2	91.12	FD/AMERICAN FLAGS
FIRST BANKCARD	63836	11/15/2016	3	19.95	FD/KINGHTLITE SOFTWARE - TESTMAKER UPGRADE M
FIRST BANKCARD	63836	11/15/2016	4	59.96	FD/DON PABLO SIGNATURE BLEND WHOLE BEAN COFF
FIRST BANKCARD	63836	11/15/2016	5	29.98	FD/DON PABLO COLUMBIA SUPREMO WHOLE BEAN C
FIRST BANKCARD	63836	11/15/2016	2	30.20	ADM/DISTRICT CAR FUEL AWWA WTR LOSS AUDIT TRA
FIRST BANKCARD	63836	11/15/2016	3	18.80	ADM/AWWA SECTION WTR LOSS CONTROL AUDIT TRA
FIRST BANKCARD	63836	11/15/2016	4	32.88	ADM/AWWA SECTION WTR LOSS CONTROL AUDIT TRA
FIRST BANKCARD	63836	11/15/2016	5	189.00	ADM/AWWA SECTION WTR LOSS CONTROL AUDIT TRA

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FIRST BANKCARD	63836	11/15/2016	6	20.00	SWF/CURRENT AERIAL FOR WATER CONTROL BOARD R
FIRST BANKCARD	63836	11/15/2016	7	9.66	ADM/OFF INSECT CONTROL SPRAY
FIRST BANKCARD	63836	11/15/2016	8	49.00	ADM/ONLINE WEBINAR DEVELOP POINT OF USE RECYC
FIRST BANKCARD	63836	11/15/2016	9	14.99	ADM/ADOBE ACROPRO SUBSCRIPTION OCTOBER 2016
FIRST BANKCARD	63836	11/15/2016	10	14.51	ADM/AWWA WATER LOSS CONTROL AUDIT TRAINING
				9,950.35	
FLUID RESOURCE MANAGEMENT	63749	11/3/2016	1	5,115.00	WW/JET SEWER SIPHON LINES & HOT SPOTS IN CITY
FLUID RESOURCE MANAGEMENT	63888	11/23/2016	1	3,609.85	WW/LICENSED OPER DURING J ALLCHIN'S VACATION
				8,724.85	
FORD MOTOR CREDIT COMPANY LLC	63815	11/10/2016	1	637.09	F&R/FORD 2016 F-250 WITH UTILITY BODY
FRED PRYOR SEMINARS	63857	11/17/2016	1	179.00	WD/CAL/OSHA COMPLIANCE 2017 SEMINAR J BUHL
FRED PRYOR SEMINARS	63857	11/17/2016	2	179.00	WW/CAL/OSHA COMPLIANCE 2017 SEMINAR J ALLCHIN
				358.00	
GERBER'S AUTO SERVICE	63858	11/17/2016	1	56.56	F&R/MAINT & REPAIR 2016 F250 SD OIL CHANGE
GERBER'S AUTO SERVICE	63890	11/23/2016	1	53.63	WW/MAINT & REPAIR FORD F150 OILD CHANGE
				110.19	
GRAINGER	63816	11/10/2016	1	190.28	WW/1TDT2 BLOWER 549 CFM 115V
GRAND FLOW	63751	11/3/2016	1	357.70	ADM/2016 W2S AND 1099S
GRANDSTAFF PAINT & PRESSURE WA	63859	11/17/2016	1	300.00	WD/PRIMING & PAINTING PIPES/CONCRETE PAD BY FE
GRESENS, ROBERT C.	63732	11/2/2016	1	45.00	WD/MONTHLY CELL PHONE REIMBURSEMENT 11/01/1
GRESENS, ROBERT C.	63817	11/10/2016	1	191.16	WW/CWEA ON-SITE WASTEWATER REUSE WORKSHOP
				236.16	
GRUBER, JEROME	63733	11/2/2016	1	45.00	ADM/MONTHLY CELL PHONE REIMBURSEMENT 11/01/
H20 INNOVATION USA, INC.	63818	11/10/2016	1	2,700.00	WD/SAN SIMEON CRK RD SERVICE TECH & TRAVEL
HACH COMPANY	63819	11/10/2016	1	457.70	WD/TURBIDIMETER LAMPS
HALEY DODSON	63811	11/10/2016	1	54.43	ADM/EMPLOYMENT RELATIONS CONSORTIUM
HAYWARD LUMBER	63861	11/17/2016	1	1,824.00	F&R/IPE BOARDS TO REPLACE DAMAGED BOARDWALK
HEIDI HOLMES-NAGY	63722	11/2/2016	1	11.15	MQ CUSTOMER REFUND
HOLLINGSWORTH, BILL	63734	11/2/2016	1	45.00	FD/MONTHLY CELL PHONE REIMBURSEMENT 11/2016
HOME DEPOT CREDIT SERVICE	63752	11/3/2016	1	80.90	F&R/KREG SHELF PIN JIG/CLAMP SET
HORIZON WEST AUTO GLASS	63891	11/23/2016	1	222.20	WD/2012 F250 WINDSHIELD REPLACEMENT
IAN VAN WEERDEN POELMAN	63832	11/10/2016	1	275.00	FD/FRESNO SYMPOSIUM ENGINEER TRAINING
INNOVATIVE CONCEPTS	63735	11/2/2016	1	25.00	ADM/CIS HOSTING 11/01/16
INNOVATIVE CONCEPTS	63735	11/2/2016	2	25.00	FD/FIRE WEBSITE HOSTING 11/01/16
INNOVATIVE CONCEPTS	63862	11/17/2016	1	270.00	ADM/CIS TRAINING H DODSON

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INNOVATIVE CONCEPTS	63862	11/17/2016	2	84.37	WD/CIS TRAINING C WINFREY
INNOVATIVE CONCEPTS	63862	11/17/2016	3	84.38	WW/CIS TRAINING C WINFREY
INNOVATIVE CONCEPTS	63862	11/17/2016	4	(45.00)	ADM/CIS TRAINING H DODSON PREFERRED CUSTOMEF
INNOVATIVE CONCEPTS	63862	11/17/2016	5	(45.00)	WD/CIS TRAINING C WINDFREY PREFERRED CUSTOMEI
INNOVATIVE CONCEPTS	63862	11/17/2016	6	(45.00)	WW/CIS TRAINING C WINDFREY PREFERRED CUSTOME
				353.75	
J B DEWAR	63863	11/17/2016	1	780.68	FD/280 GALLONS OF DIESEL
J B DEWAR	63863	11/17/2016	1	669.23	F&R/260 GALLONS OF GASOLINE
J B DEWAR	63892	11/23/2016	1	1,434.69	F&R/360 GLS GASOLINE 225 GLS DIESEL
				2,884.60	
JOHN ALLCHIN	63727	11/2/2016	1	45.00	WW/MONTHLY CELL PHONE REIMBURSEMENT 11/201
JOHN DEERE FINANCIAL	63736	11/2/2016	1	522.49	F&R/MONTHLY PMT COMPACT UTILITY TRACTOR 11/2
KNOBLOCH, EARL/BEVERLY	63753	11/3/2016	1	199.15	RC/ASSIGNMENT REFUND DEPOSIT
LAHR ELECTRIC MOTORS	63821	11/10/2016	1	9,748.53	WW/KSB SUBMERSIBLE PUMP
LIFE-ASSIST, INC.	63864	11/17/2016	1	93.29	FD/PRE-FILLED SALINE SYRINGE, SUCTION UNIT
MADRID, MONIQUE	63737	11/2/2016	1	45.00	ADM/MONTHLY CELL PHONE REIMBURSEMENT 11/201
MAIRA ARELLANO	63721	11/2/2016	1	28.69	MQ CUSTOMER REFUND
MCMASTER-CARR SUPPLY CO	63822	11/10/2016	1	87.65	WW/WASTE & VENT BACKFLOW PREVENTION VALVE
MED-STOPS MEDICAL CLINIC, INC	63865	11/17/2016	1	150.00	WW/DMV PHYSICAL
MENDOZA, CARLOS	63738	11/2/2016	1	22.50	ADM/MONTHLY CELL PHONE REIMBURSEMENT 11/201
MENDOZA, CARLOS	63738	11/2/2016	2	22.50	F&R/MONTHLY CELL PHONE REIMBURSEMENT 11/201
				45.00	
MICHAEL BAKER INTERNATIONAL	63894	11/23/2016	1	11,082.44	SWF/PROFESSIONAL CONSULTING SERV 09/01 - 10/02/
MICHAEL BAKER INTERNATIONAL	63894	11/23/2016	1	20,075.20	SWF/PROFESSIONAL CONSULT SERV 10/03 - 10/30/201
				31,157.64	
MISSION COUNTRY DISPOSAL	63867	11/17/2016	1	2,813.96	ADM/REIMBURSE DELIQUENT TRASH FEES COLLECTED
MISSION LINEN SUPPLY	63823	11/10/2016	1	134.25	WW/LINEN SERVICE TOWELS AND RUGS
MISSION LINEN SUPPLY	63866	11/17/2016	1	521.20	WD/LINEN SERVICE TOWELS AND RUGS
				655.45	
MORTIMER FERNANDEZ-LOPEZ	63824	11/10/2016	1	347.00	WD/INSTALL NEW 12 VOLT BATTERY 990 SAN SIMEON
ORKIN	63868	11/17/2016	1	65.00	FD/PREVENTATIVE PEST CONTROL SERVICE
PACIFIC GAS & ELECTRIC	63755	11/3/2016	1	604.97	WW/ELEC SVC SAN SIMEON CREEK RD OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	1	19.06	ADM/ELEC SVC 1316 TAMSEN #203 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	1	2,232.91	SWF/ELEC SVC 900 S SIMEON CRK TR PLANT OCT 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	1	9.52	WD/ELEC SVC 7806 VAN GORDON CREEK RD OCTOBER
PACIFIC GAS & ELECTRIC	63755	11/3/2016	1	23.11	WD/ELEC SVC 9110 CHARING LANE OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	2	795.66	WD/ELEC SVC 1320 SAN SIMEON CRK RD OCTOBER 201

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PACIFIC GAS & ELECTRIC	63755	11/3/2016	3	922.51	WD/ELEC SVC 1330 SAN SIMEON CRK RD OCTOBER 201
PACIFIC GAS & ELECTRIC	63755	11/3/2016	4	3,223.89	WD/ELEC SVC 1340 SAN SIMEON CRK RD OCTOBER 201
PACIFIC GAS & ELECTRIC	63755	11/3/2016	5	540.30	WD/ELEC SVC 6425 CAMBRIA PINES RD OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	6	28.17	WD/ELEC SVC 988 MANOR WAY OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	7	5,099.16	WD/ELEC SVC 2031 RODEO GROUNDS OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	8	761.93	WD/ELEC SVC 2499 VILLAGE LANE OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	9	493.89	WD/ELEC SVC 1975 STUART STREET OCTOBER 2016
PACIFIC GAS & ELECTRIC	63755	11/3/2016	1	2,063.08	WD/ELEC SVC 2820 SANTA ROSA CRK RD PUMP OCT 20
PACIFIC GAS & ELECTRIC	63825	11/10/2016	1	233.84	WW/ELEC SVC LIFT STATION A OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	2	185.80	WW/ELEC SVC LIFT STATION 9 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	3	95.80	WW/ELEC SVC LIFT STATION B2 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	4	173.11	WW/ELEC SVC LIFT STATION A1 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	5	364.15	WW/ELEC SVC LIFT STATION B OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	6	142.27	WW/ELEC SVC LIFT STATION B3 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	7	296.26	WW/ELEC SVC LIFT STATION B4 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	8	525.83	WW/ELEC SVC LIFT STN WELL PUMP 9P7 SPRY FLD 10/
PACIFIC GAS & ELECTRIC	63825	11/10/2016	9	20.36	WW/ELEC SVC LIFT STATION 8 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	10	15,929.33	WW/ELEC SVC TREATMENT PLANT OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	11	17.82	WW/ELEC SVC LIFT STATION 4 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	12	140.33	WW/ELEC SVC LIFT STATION B1 OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	1	33.13	F&R/ELEC SVC WEST VILLAGE RESTROOM OCT 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	2	26.69	F&R/ELEC SVC EAST VILLAGE RESTROOM OCT 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	3	1,189.96	F&R/ELEC SVC STREET LIGHTING OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	4	414.62	F&R/ELEC SVC VETERAN'S HALL OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	5	517.97	FD/ELEC SVC 2850 BURTON DR OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	6	19.90	FD/ELEC SVC 2850 BURTON DR OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	7	406.81	ADM/ELEC SVC 1316 TAMSEN DR OCTOBER 2016
PACIFIC GAS & ELECTRIC	63825	11/10/2016	8	112.31	ADM/ELEC SVC RADIO SHACK OCTOBER 2016
PACIFIC GAS & ELECTRIC	63869	11/17/2016	1	2,480.81	SWF/ELEC SVC S SIMEON CRK RD EVAP POND OCT 201
				40,145.26	
PANTOJA, HARRY & MARY	63754	11/3/2016	1	199.15	RC/ASSIGNMENT DEPOSIT REFUND
PHIL'S PRO PLUMB	63756	11/3/2016	1	175.00	FD/SNAKE KITCHEN DRAIN AND CLEAN OUT URINALS
QUILL CORP	63757	11/3/2016	1	(9.03)	ADM/CREDIT FOR SHIPPING ON CALENDAR
QUILL CORP	63757	11/3/2016	1	32.23	ADM/OFFICE SUPPLIES PARTY PACK CLEAR CUPS
QUILL CORP	63757	11/3/2016	1	30.30	ADM/OFFICE SUPPLIES 25FT USB EXTENSION CABLE
QUILL CORP	63757	11/3/2016	1	24.71	ADM/OFFICE SUPPLIES CENTON DATA STICK 16 GB
QUILL CORP	63757	11/3/2016	1	150.92	ADM/OFFICE SUPPLIES FOAM CUPS COPY PAPER
QUILL CORP	63757	11/3/2016	1	27.29	ADM/OFFICE SUPPLIES 16 FOOT EXTENSION CORD
QUILL CORP	63757	11/3/2016	1	71.71	ADM/WIRELESS MICE INKJOY PENS LETTER OPENERS
QUILL CORP	63757	11/3/2016	1	105.31	ADM/ OFFICE SUPPLIES PORTABLE OFFICE HEATERS
QUILL CORP	63757	11/3/2016	1	21.48	ADM/OFFICE SUPPLIES
QUILL CORP	63757	11/3/2016	1	42.46	ADM/OFFICE SUPPLIES WATER STENO PADS
QUILL CORP	63757	11/3/2016	1	35.74	ADM/OFFICE SUPPLIES MECHANICAL PENCIL ORGANIZI
QUILL CORP	63757	11/3/2016	1	26.36	ADM/OFFICE SUPPLIES WATER
QUILL CORP	63757	11/3/2016	1	12.86	ADM/OFFICE SUPPLIES
QUILL CORP	63870	11/17/2016	1	220.22	ADM/OFFICE SUPPLIES SHARPIES REPORT COVERS
QUILL CORP	63870	11/17/2016	1	244.97	WW/OFFICE SUPPLIES PAPERWORK CLIPBOARD BOX
QUILL CORP	63870	11/17/2016	1	9.65	ADM/OFFICE SUPPLIES
QUILL CORP	63870	11/17/2016	1	42.99	ADM/ OFFICE SUPPLIES DATASTICKS 4 GB
QUILL CORP	63870	11/17/2016	1	84.90	ADM/OFFICE SUPPLIES MAGENTA TONER CARTRIDGE
QUILL CORP	63870	11/17/2016	1	113.93	ADM/OFFICE SUPPLIES LOBBY CHAIRSIDE TABLES

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QUILL CORP	63870	11/17/2016	1	39.76	ADM/OFFICE SUPPLIES ORCHID ISLAND SET FOR LOBB'
QUILL CORP	63870	11/17/2016	1	42.98	WW/OFFICE SUPPLIES
QUILL CORP	63870	11/17/2016	1	35.68	WW/OFFICE SUPPLIES
QUILL CORP	63870	11/17/2016	1	161.23	WW/OFFICE SUPPLIES PARTITION FOLDERS
QUILL CORP	63870	11/17/2016	1	161.20	WW/EPSON TRI COLOR INK CARTRIDGES
QUILL CORP	63870	11/17/2016	1	344.74	FD/OFFICE SUPPLIES
QUILL CORP	63893	11/23/2016	1	312.08	ADM/OFFICE SUPPLIES COPY PAPER WATER
				2,386.67	
RETIREE00	63765	11/9/2016	1	420.67	WD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE01	63766	11/9/2016	1	413.75	WW/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE02	63767	11/9/2016	1	433.14	F&R/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE04	63768	11/9/2016	1	142.10	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE05	63769	11/9/2016	1	420.67	WW/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE06	63770	11/9/2016	1	142.18	WD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE07	63771	11/9/2016	1	147.83	WD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE08	63772	11/9/2016	1	420.67	WD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE09	63773	11/9/2016	1	147.83	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE10	63774	11/9/2016	1	147.83	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE11	63775	11/9/2016	1	147.83	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE12	63776	11/9/2016	1	1,007.80	WW/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE13	63777	11/9/2016	1	147.83	FD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR DE
RETIREE14	63778	11/9/2016	1	147.83	F&R/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE15	63779	11/9/2016	1	142.12	FD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR DE
RETIREE16	63780	11/9/2016	1	409.23	WD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE17	63781	11/9/2016	1	409.23	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE19	63782	11/9/2016	1	1,007.80	FD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR DE
RETIREE20	63783	11/9/2016	1	147.83	WW/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE21	63784	11/9/2016	1	142.12	WW/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE22	63785	11/9/2016	1	395.75	WW/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE23	63786	11/9/2016	1	409.23	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE24	63787	11/9/2016	1	147.83	F&R/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE26	63788	11/9/2016	1	917.42	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE27	63789	11/9/2016	1	991.30	FD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR DE
RETIREE28	63790	11/9/2016	1	420.67	F&R/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE29	63791	11/9/2016	1	452.77	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE30	63792	11/9/2016	1	433.14	WD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR D
RETIREE31	63793	11/9/2016	1	433.14	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE32	63794	11/9/2016	1	991.30	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE33	63795	11/9/2016	1	433.14	ADM/MONTHLY HEALTH INSUR PREMIUM REIMB FOR
RETIREE34	63796	11/9/2016	1	991.30	FD/MONTHLY HEALTH INSUR PREMIUM REIMB FOR DE
				13,563.28	
RICE, AMANDA	63895	11/23/2016	1	241.92	ADM/COASTAL COMMISSION RECEPTION AT HALF MO
ROBERTS, BRIAN	63871	11/17/2016	1	60.00	FD/REIMBURSEMENT FOR EMT RECERTIFICATION
ROSSI & CARR ELECTRICAL, INC.	63896	11/23/2016	1	386.54	FD/REPAIR LADIES'S BATHROOM FAN
SAN LUIS POWERHOUSE	63826	11/10/2016	1	554.60	WD/FOUR GENERATOR SITES - INSPECTION/TESTING
SAN LUIS SECURITY SYSTEMS	63759	11/3/2016	1	126.00	ADM/QUARTERLY SECURITY MONITORIBNG 12/1/16-2,
SARAH JOHNSON	63723	11/2/2016	1	272.12	MQ CUSTOMER REFUND

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
SLO COUNTY	63760	11/3/2016	1	327.00	WD/2017 HAZMAT DISCLOSURE & SITE FEES SNT ROSA
SLO COUNTY	63760	11/3/2016	1	327.00	WD/2017 HAZMAT DISCLOSURE & SITE FEES SWF/WEL
SLO COUNTY	63827	11/10/2016	1	327.00	WD/ANNUAL HAZMAT DISCLOSURE STATE SITE SURCH.
SLO COUNTY	63827	11/10/2016	1	327.00	WW/ANNUAL HAZMAT DISCLOSURE STATE SITE SURCI
SLO COUNTY	63827	11/10/2016	1	327.00	FD/ANNUAL HAZMAT DISCLOSURE STATE SITE CHARGE
SLO COUNTY	63897	11/23/2016	1	717.70	WD/CHARGEABLE REPORT WRITING/CORRESPONDENC
				2,352.70	
SLO COUNTY EMS	63828	11/10/2016	1	60.00	FD/RYAN MALONEY EMT CERTIFICATION
SOUTH COAST EMERGENCY VEHICLE	63872	11/17/2016	1	1,301.18	FD/TESTING AND REPAIR OF PUMPER
STANLEY CONVERGENT	63829	11/10/2016	1	209.50	ADM/PHONE INSTALLATION CUTOVER AT FIRE DEPART
STATE BOARD OF EQUALIZATION	63837	11/17/2016	1	184.19	WD/WR STF 094-012000 WATER RIGHTS FEES
STATE BOARD OF EQUALIZATION	63873	11/17/2016	1	231.18	WD/SWRCB WR STF 094-010116 WATER RIGHTS FEES
				415.37	
SUSAN SCHOMNER	63725	11/2/2016	1	39.93	MQ CUSTOMER REFUND
TECHXPRESS, INC.	63761	11/3/2016	1	88.79	ADM/EATON 3S550 550 VA 330 WATTS 8 OUTLETS UPS
TECHXPRESS, INC.	63874	11/17/2016	1	44.39	WD/WW/EATON 3S550 OUTLETS UPS
TECHXPRESS, INC.	63874	11/17/2016	2	44.40	WW/WW/EATON 3S550 OUTLETS UPS
				177.58	
TEMPLETON UNIFORMS	63830	11/10/2016	1	229.08	FD/JONATHAN GIBSON NOMEX PANTS
THE CREDIT BUREAU	63851	11/17/2016	1	200.00	ADM/ACS COUPON BOOKLET
THE DOCUTEAM	63810	11/10/2016	1	439.11	ADM/DOCUMENT STORAGE 10/1 - 10/31/16
THE GAS COMPANY	63750	11/3/2016	1	69.82	FD/GAS SERV 2850 BURTON DRIVE OCTOBER 2016
THE GAS COMPANY	63750	11/3/2016	1	4.31	FD/GAS SERV 5490 HEATH LANE OCTOBER 2016
THE GAS COMPANY	63750	11/3/2016	1	18.12	WW/GAS SERV 5500 HEATH LANE #B OCTOBER 2016
THE GAS COMPANY	63750	11/3/2016	1	35.35	WW/GAS SERV 5500 HEATH LANE OCTOBER 2016
THE GAS COMPANY	63889	11/23/2016	1	97.81	F&R/GAS SVC VETERAN'S HALL NOVEMBER 2016
				225.41	
THE TRIBUNE	63831	11/10/2016	1	100.00	FD/RESERVE FIRE FIGHTER RESERVE JOB POSTING
THE TRIBUNE	63831	11/10/2016	2	100.00	FD/RESERVE FIRE FIGHTER RESERVE JOB POSTING
THE TRIBUNE	63831	11/10/2016	3	406.00	FD/RESERVE FIRE FIGHTER RESERVE JOB POSTING
THE TRIBUNE	63831	11/10/2016	4	100.00	WW/WWOIT, GRADE 1,2,3 JOB POSTING
THE TRIBUNE	63831	11/10/2016	5	100.00	WW/WWOIT, GRADE 1,2,3 JOB POSTING
THE TRIBUNE	63831	11/10/2016	6	406.00	WW/WWOIT, GRADE 1,2,3 JOB POSTING
THE TRIBUNE	63831	11/10/2016	7	624.36	ADM/AMENDED EIR NOTICE
THE TRIBUNE	63831	11/10/2016	8	689.70	ADM/AMENDED NOR NOTICE
				2,526.06	
USA BLUE BOOK	63898	11/23/2016	1	698.18	WD/METER NUT WRENCH SOLINST P2 PROBE
USA BLUE BOOK	63898	11/23/2016	1	173.53	WD/F550 PANEL MOUNT FLOWMETER
				871.71	
VERIZON WIRELESS	63875	11/17/2016	1	34.75	FD/MONTHLY CELL PHONE SERV WATER TENDER OCT 2

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
VERIZON WIRELESS	63875	11/17/2016	2	93.35	FD/MONTHLY CELL PHONE SERV ENGINE 5791 OCT 201
VERIZON WIRELESS	63875	11/17/2016	1	36.21	F&R/MONTHLY ON CALL CELL PHONE SERVICE OCT 201
VERIZON WIRELESS	63875	11/17/2016	2	67.61	WD/MONTHLY ON CALL CELL PHONE SERVICE OCT 201
VERIZON WIRELESS	63875	11/17/2016	3	68.94	WW/MONTHLY ON CALL CELL PHONE SERVICE OCT 201
VERIZON WIRELESS	63875	11/17/2016	4	22.88	ADM/MONTHLY CELL PHONE SERVICE OCT 2016
				323.74	
WAKEFIELD-WYNNE LINDA	63833	11/10/2016	1	99.50	WD/REFUND RETRO INSPECT FEE HOUSE OUT OF ESCR
WALSH, MICHAEL	63762	11/3/2016	1	156.00	FD/REIMBURSE FOR BANNER UPDATE - CHIPPING EVEN
WINSOR CONSTRUCTION, INC.	63763	11/3/2016	1	230.00	F&R/GREEN WASTE DISPOSAL
e-LEGALSERVICES, INC	63853	11/17/2016	1	132.00	ADM/MICROFICHE TO PDF 1976-1980 CCSD MTG MINU
		Accounts Payable Ve		428,797.41	
AFLAC (AMER FAM LIFE INS)	4873	11/4/2016	1	134.94	VOLUNTARY INS-PRETAX
AFLAC (AMER FAM LIFE INS)	4873	11/4/2016	1	13.44	VOLUNTARY INS-PRETAX
AFLAC (AMER FAM LIFE INS)	4888	11/18/2016	1	134.94	VOLUNTARY INS-PRETAX
AFLAC (AMER FAM LIFE INS)	4888	11/18/2016	1	13.44	VOLUNTARY INS-PRETAX
				296.76	
AMERITAS	4897	11/30/2016	1	3,175.89	DENTAL INSURANCE-YER
AMERITAS	4897	11/30/2016	2	88.84	DENTAL INSURANCE-YER
AMERITAS	4897	11/30/2016	3	0.09	DENTAL INSURANCE-YER
AMERITAS	4897	11/30/2016	1	386.37	DENTAL INSURANCE-YER
				3,651.19	
CAMBRIA COMMUNITY SERVICES DIS	4874	11/4/2016	1	950.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4874	11/4/2016	2	250.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4874	11/4/2016	3	100.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4874	11/4/2016	4	250.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4874	11/4/2016	5	150.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4874	11/4/2016	6	250.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4889	11/18/2016	1	950.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4889	11/18/2016	2	250.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4889	11/18/2016	3	100.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4889	11/18/2016	4	250.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4889	11/18/2016	5	150.00	MEDICAL REIMBURSEMNT
CAMBRIA COMMUNITY SERVICES DIS	4889	11/18/2016	6	250.00	MEDICAL REIMBURSEMNT
				3,900.00	
CAMBRIA FIRE FIGHTERS LOCAL 46	4877	11/4/2016	1	320.00	DUES-FIRE IAFF
CAMBRIA FIRE FIGHTERS LOCAL 46	4891	11/18/2016	1	320.00	DUES-FIRE IAFF
				640.00	
CAMBRIA FIREFIGHTERS ASSN	4876	11/4/2016	1	139.25	RESERVE FIREFTR DUES
EMPLOYMENT DEVELOPMENT DP	4875	11/4/2016	1	5,241.58	STATE INCOME TAX
EMPLOYMENT DEVELOPMENT DP	4875	11/4/2016	1	827.35	STATE INCOME TAX
EMPLOYMENT DEVELOPMENT DP	4890	11/18/2016	1	4,058.65	STATE INCOME TAX
EMPLOYMENT DEVELOPMENT DP	4890	11/18/2016	1	680.73	STATE INCOME TAX
				10,808.31	

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
H.O.B.-DIRECT DEPOSIT	4878	11/4/2016	1	2,950.00	Direct Deposit Flat
H.O.B.-DIRECT DEPOSIT	4878	11/4/2016	1	59,299.76	Direct Deposit Flat
H.O.B.-DIRECT DEPOSIT	4892	11/18/2016	1	2,950.00	Direct Deposit Flat
H.O.B.-DIRECT DEPOSIT	4892	11/18/2016	1	48,653.61	Direct Deposit Flat
				113,853.37	
ICMA-VNTGPT TRSFR AGT 457	4880	11/4/2016	1	2,023.33	457 DEFERRED COMP IN
ICMA-VNTGPT TRSFR AGT 457	4880	11/4/2016	1	927.81	457 DEFERRED COMP IN
ICMA-VNTGPT TRSFR AGT 457	4894	11/18/2016	1	2,023.33	457 DEFERRED COMP IN
ICMA-VNTGPT TRSFR AGT 457	4894	11/18/2016	1	927.81	457 DEFERRED COMP IN
				5,902.28	
IRS/FEDERAL PARYOLL TAXES	4879	11/4/2016	1	15,732.22	FEDERAL INCOME TAX
IRS/FEDERAL PARYOLL TAXES	4879	11/4/2016	1	12,568.70	FEDERAL INCOME TAX
IRS/FEDERAL PARYOLL TAXES	4879	11/4/2016	1	3,166.46	FEDERAL INCOME TAX
IRS/FEDERAL PARYOLL TAXES	4893	11/18/2016	1	13,639.84	FEDERAL INCOME TAX
IRS/FEDERAL PARYOLL TAXES	4893	11/18/2016	1	10,289.06	FEDERAL INCOME TAX
IRS/FEDERAL PARYOLL TAXES	4893	11/18/2016	1	2,893.42	FEDERAL INCOME TAX
				58,289.70	
LINCOLN FINANCIAL GROUP	4898	11/30/2016	1	208.70	LIFE INSURANCE
LINCOLN FINANCIAL GROUP	4898	11/30/2016	2	3.31	LIFE INSURANCE
				212.01	
PERS HEALTH BENEFIT SERV	4900	11/30/2016	1	30,148.51	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	2	283.15	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	3	123.31	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	4	625.00	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	5	500.00	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	6	1,375.00	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	7	750.00	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	8	750.00	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	9	60.24	MEDICAL INSURANC-YER
PERS HEALTH BENEFIT SERV	4900	11/30/2016	1	5,835.23	MEDICAL INSURANC-YER
				40,450.44	
PERS RETIREMENT SYSTEM	4881	11/4/2016	1	(0.01)	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4881	11/4/2016	2	17,636.25	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4881	11/4/2016	3	-	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4881	11/4/2016	4	0.01	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4895	11/18/2016	1	(0.01)	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4895	11/18/2016	2	16,466.73	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4895	11/18/2016	3	-	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4895	11/18/2016	4	0.01	PERS PAYROLL REMITTANCE
PERS RETIREMENT SYSTEM	4899	11/30/2016	1	11,244.86	UNFUNDED ACCRUED LIABILTY
PERS RETIREMENT SYSTEM	4899	11/30/2016	2	2,982.62	UNFUNDED ACCRUED LIABILTY
PERS RETIREMENT SYSTEM	4899	11/30/2016	3	6,726.00	UNFUNDED ACCRUED LIABILTY
PERS RETIREMENT SYSTEM	4899	11/30/2016	4	6,640.38	UNFUNDED ACCRUED LIABILTY
PERS RETIREMENT SYSTEM	4899	11/30/2016	5	3,437.00	UNFUNDED ACCRUED LIABILTY
				65,133.84	
SEIU LOCAL 620	4882	11/4/2016	1	359.48	SEIU UNION DUES
SEIU LOCAL 620	4896	11/18/2016	1	375.03	SEIU UNION DUES

CAMBRIA COMMUNITY SERVICES DISTRICT
EXPENDITURE REPORT
FOR THE MONTH OF NOVEMBER, 2016

Vendor Name	Check #	Check Date	Line #	Line Amt	Line Description
				734.51	
Payroll Payable Ven				304,011.66	
TOTAL DISBURSEMENT FC				732,809.07	

CAMBRIA COMMUNITY SERVICES DISTRICT

BOARD OF DIRECTORS REGULAR MEETING
MINUTES
Thursday, November 17, 2016 12:30 PM

1. OPENING

A. Call to Order

President Robinette called the meeting to order at 12:34 p.m.

B. Pledge of Allegiance

President Robinette led the Pledge of Allegiance.

C. Establishment of Quorum

A quorum was established.

Directors present: President Robinette, Vice President Thompson, Director Bahringer, Director Sanders, and Director Rice.

Staff present: General Manager Jerry Gruber, District Counsel Timothy Carmel, Administrative Services Officer/District Clerk Monique Madrid, District Engineer Bob Gresens, and Finance Manager Patrick O'Reilly.

2. SPECIAL REPORTS (Estimated time 5 Minutes per item)

Fire Chief William Hollingsworth reported on activities for the month of October for the CCSD Fire Department.

3. ACKNOWLEDGEMENTS AND PRESENTATIONS

A. Kompogas Presentation by Integrated Waste Management Authority Manager Bill Worrell

Integrated Waste Management Authority Manager Bill Worrell gave a presentation on Kompogas during item 9A to compliment the proposed solid waste amendment.

B. Water and Wastewater Department Employees to receive a Certificate of Recognition

President Robinette introduced the item and turned it over to the General Manager. Mr. Gruber acknowledged the Water and Wastewater Department employees for all of their service to the community and the District. He reminded everyone that they are on call 24/7, including holidays. Each employee received a certificate of recognition.

4. AGENDA REVIEW: ADDITIONS/DELETIONS AND PULLED CONSENT ITEMS

No items were pulled or deleted.

5. PUBLIC COMMENT (LIMITED TO 30 MINUTES)

Public Comment:
Richard Margetson
Christina Tobin

6. MANAGER'S AND BOARD REPORTS (Estimated time 15 Minutes total) A. Manager's Report

i. General Manager's Report

General Manager Jerry Gruber gave a brief overview of the Manager's report and provided a Power Point presentation of recent work throughout the District. He then turned it over to the Finance Manager, who provided a Power Point presentation and an overview of the Finance Manager's report. He then turned it over to the District Engineer, who provided an overview of the Engineer report.

Public Comment:
None.

B. Ad Hoc Committee Reports and Other Related Board Member Reports (Committee Meetings and Board authorized meetings attended)

Vice President Thompson reported he attended the Cambria Fire Safe Focus group meeting and the Kickoff for the Local Hazardous Mitigation Plan meeting. He provided a brief summary of the meetings. CERT is doing a chipping project in December. Applications are available at the CCSD office, Cookie Crock, and various locations in the community.

Director Rice attended the California Coastal Commission meeting, reception and workshop on rentals. She also attended the Planning Commission meeting where they recognized Ken Topping. Mike Multary will replace him.

7. CONSENT AGENDA (Estimated time: 15 Minutes)

A. Consideration to Approve the Expenditure Report for October 2016

B. Consideration to Approve the October 5, 2016 Special Meeting Minutes and October 27, 2016 Regular Meeting Minutes

General Manager Jerry Gruber read the consent agenda.

Director Bahringer moved to approve the consent agenda.

Director Sanders seconded the motion.

Motion was passed unanimously, 5-Ayes, 0-Nays, 0-Absent

8. HEARINGS AND APPEALS (Estimated time: 15 Minutes per item)

9. REGULAR BUSINESS (Estimated time: 15 Minutes per item)

A. DISCUSSION AND CONSIDERATION OF A SECOND AMENDMENT TO THE FRANCHISE AGREEMENT WITH MISSION COUNTRY DISPOSAL FOR INTEGRATED SOLID WASTE
MANAGEMENT SERVICES

General Manager Jerry Gruber introduced the item and turned it over to District Counsel, who provided a brief summary to the Board and pointed out concerns with the twenty year extension and the language included in the proposed amendment. The amendment is related to a project called Kompogas for the first part, the second is more complicated. Bill Worrell presented a Power Point slide show to explain the Kompogas project.

The Board had questions for Matt Meyers and Rigo Diaz of Mission Country Disposal. Director Sanders asked to see the agreement between Mission Country Disposal and HCI.

The item was deferred until some of the Board's questions are answered. Director Bahringer pointed out the CCSD receives a much lower franchise fee than the other public agencies that are contracted with Mission Country Disposal.

It was suggested that the Board appoint a couple of directors to sit down with District Counsel, General Manager and Mission Country to work through the concerns. Director Bahringer and Director Rice were selected to handle the matter.

B. DISCUSSION AND CONSIDERATION OF ADOPTION OF RESOLUTION 42- 2016 APPROVING AN EMPLOYMENT AGREEMENT WITH PATRICK O'REILLY AND APPROVAL OF AN AMENDED SALARY SCHEDULE FOR THE POSITION OF FINANCE MANAGER

General Manager Jerry Gruber introduced the item and turned it over to District Counsel, who provided a brief summary to the Board.

Public Comment:

Christina Tobin

Director Bahringer moved to adopt Resolution 42-2016 Approving Employment Agreement with Finance Manager Patrick O'Reilly.

Director Sanders seconded the motion.

Motion was passed, 4-Ayes, 1-Nay (Director Rice), 0-Absent

10. PUBLIC COMMENT (CONTINUED)

None.

11. FUTURE AGENDA ITEM(S) (Estimated time: 15 Minutes)

None.

12. ADJOURN TO CLOSED SESSION (Estimated time 60 Minutes)

President Robinette adjourned the meeting to closed session at 2:51 p.m.

A. CONFERENCE WITH LABOR NEGOTIATORS Pursuant to Government Code Section 54957.6
Agency Designated Representative: Jerry Gruber, General Manager
Unrepresented Employee Organization: Management and Confidential Exempt Employees

B. CONFERENCE WITH REAL PROPERTY NEGOTIATORS Pursuant to Government Code Section 54956.8
Property APN: 022-251-019
Agency Negotiators: Jerry Gruber, General Manager and Timothy Carmel, District Counsel
Negotiating Party: Shauna Dragomir for the County of San Luis Obispo Under Negotiation: Price and Terms of Payment

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **7.C.**

FROM: Jerry Gruber, General Manager

Meeting Date: December 15, 2016 Subject: CONSIDERATION OF ADOPTION OF RESOLUTION 45-2016 DECLARING A DISTRICT PUMP HOUSE LOCATED AT 6100 CHARING LANE AND 602 EXETER LANE AS SURPLUS AND AUTHORIZING ITS DISPOSITION, TRANSFER AND RELINQUISHMENT

RECOMMENDATIONS:
Staff recommends that the Board of Directors adopt Resolution 45-2016 declaring a District pump house located at 6100 Charing Lane and 602 Exeter Lane as surplus and authorizing the General Manager to execute an agreement, in a form acceptable to District Counsel, transferring ownership of same.

FISCAL IMPACT:
There is no fiscal impact to the CCSD related to disposing of, transferring and relinquishing the unused Pump House.

DISCUSSION:
A Pump House owned by the CCSD is located on property at 6100 Charing Lane and 602 Exeter Lane. The Pump House was originally constructed during the late 1960s as part of Leimert Tract 384, and served as an interim booster station until the Tract 584 booster pump station became operational during the late 1980s. As a result, the Charing Lane Pump House has not been needed or used by the District for several decades, and is in a dilapidated and deteriorating condition. Most of the wood has dry rot and is falling apart. The roof is falling apart and leaking. It has also been brought to the CCSD's attention by the owners of 6100 Charing Lane and 602 Exeter Lane (the "Property Owners") that when the Pump House was built, its proposed location was changed to its current location and placed without formal easements being in place on their property.

The Property Owners have requested that the District relinquish and transfer ownership of the Pump House to them. Given the fact that it is not used by the CCSD, is in significant state of disrepair, and the District does not have an easement or license for it to be on their property, staff believes it is in the District's best interest to transfer it to them.

A Resolution declaring the Pump House to be surplus, and authorizing the transfer to the property owners has been prepared for consideration by the Board of Directors. It provides the General Manager with authority to execute an agreement transferring ownership, in a form acceptable to District Counsel. Staff anticipates negotiating an agreement with the property owners that will provide that they take the Pump House in "as is" condition, with no warrantees regarding its suitability for any uses, indemnification and other appropriate provisions to protect the District's interests.

Attachments: Resolution 45-2016

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS ___THOMPSON: ___BAHRINGER ___RICE ___SANDERS___FARMER

RESOLUTION 45-2016
December 15, 2016

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE CAMBRIA COMMUNITY SERVICES DISTRICT
DECLARING A DISTRICT PUMP HOUSE LOCATED AT 6100 CHARING
LANE AND 602 EXETER LANE TO BE SURPLUS PROPERTY AND
AUTHORIZING ITS DISPOSITION, TRANSFER AND RELINQUISHMENT

WHEREAS, an unused District Pump House is located on property at 6100 Charing Lane and 602 Exeter Lane; and

WHEREAS, the Pump House was located on the property without having an appropriate easement, is surplus property in that it is not being used by the District, and is in a dilapidated and deteriorating condition; and

WHEREAS, the property owners of 6100 Charing Lane and 602 Exeter Lane have requested that the District transfer ownership of the Pump House to them; and

WHEREAS; Government Code Section 61060(d) provides that a community services district has the power and authority to dispose of and convey any real or personal property, and since this Pump House is located on property without the benefit of proper easements it is not surplus land subject to Government Code Section 61062(b) or the procedures contained in Government Code Section 54220, et seq.; and

WHEREAS, given the fact that the District does not have an easement for the Pump House, it is surplus to the District's needs, and is in a dilapidated and deteriorating condition, it is in the best interest of the District to relinquish any interest it has in the Pump House and transfer it to the property owners.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cambria Community Services District as follows:

1. The Pump House located on property at 6100 Charing Lane and 602 Exeter Lane is hereby declared to be Surplus Property.

2. The General Manager is hereby authorized to execute an agreement, in a form acceptable to District Counsel, to transfer ownership of the District Pump House located on the property at 6100 Charing Lane and 602 Exeter Lane to the property owners.

PASSED AND ADOPTED this 15th day of December, 2016.

_____
President,
Board of Directors

ATTEST:

_____
Monique Madrid
District Clerk

APPROVED AS TO FORM:

_____
Timothy J. Carmel
District Counsel

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **8.A.**

FROM: Bob Gresens, District Engineer

Meeting Date: December 15, 2016 Subject: DISCUSSION AND CONSIDERATION TO ADOPT RESOLUTION 44-2016 APPROVING 2015 URBAN WATER MANAGEMENT PLAN

RECOMMENDATIONS:
Staff recommends that Board review the 2015 Urban Water Management Plan (UWMP), make any changes deemed necessary or appropriate and adopt Resolution **-2016 approving the 2015 Urban Water Management Plan.

FISCAL IMPACT:
Approving the 2015 Urban Water Management Plan will enable the District to receive State grants and State Revolving Fund (SRF) loans. Currently, final payment of the 5% retention being held from the Sustainable Water Facility's Proposition 84 Grant is subject to completing the 2015 UWMP.

Completion of the 2015 UWMP was a collaborative effort between District staff and Maddaus Water Management (MWM). MWM provided key expert assistance, which included preparing the many tables that are now required by the State, detailed demand modeling, and technical editing. The FY 2016/2017 budget authorization for completion of the UWMP is $75,000. To date, the cost for completing the UWMP update is estimated to be less than $30,000.

DISCUSSION:
The Urban Water Management Planning Act (Act) requires water agencies serving more than 3,000 customers to prepare an UWMP update on years ending in 0 and 5. Due to amendments made by the State to the Urban Water Management Planning Act, the State extended the deadline for a 2015 update to July 1, 2016.

Since the Board last adopted the 2010 UWMP update on February 23, 2012, the State Department of Water Resources (DWR) substantially updated its UWMP Guidebook (March 2016), which describes and summarizes the methodology and content requirements for the 2015 UWMP. Compared to the 2010 UWMP, the District's 2015 UWMP has been substantially reorganized and amended to fully comply with the DWR's March 2016 Guidebook and associated tables. A copy of the 2015 UWMP and its appendices are on file at the District Clerk's office located at 1316 Tamsen Street, Suite 201, Cambria as well as being posted on the District's website at www.cambriacsd.org. Related legal notices were also published in The Tribune newspaper on 10/12/2016, 10/13/2016, 11/26/2016, and 12/3/2016.

Beyond meeting regulatory and grant funding requirements, the UWMP is a useful compilation and summary of the CCSD's water planning efforts. A staff presentation will summarize key features and findings of the 2015 UWMP.

Enclosures: 2015 Urban Water Management Plan
Resolution 44-2016

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ___ BAHRINGER ___ RICE___ SANDERS_____ FARMER

Cambria Community Services District
Urban Water Management Plan

DRAFT

November 28, 2016

MADDAUS
WATER
MANAGEMENT INC.

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LIST OF ACRONYMS

2015 UWMP	2015 Urban Water Management Plan
AB	Assembly Bill
ABAG	Association of Bay Area Governments
AF	acre-feet
AFY	acre-feet per year
AMI	Advanced Metering Infrastructure
AWWA	American Water Works Association
AWWARF	American Water Works Association Research Foundation
BMP	Best Management Practice
ccf	100 cubic feet
CCSD	Cambria Community Services District
CII	Commercial, Industrial, and Institutional
CUWCC	California Urban Water Conservation Council
CWC	California Water Code
DCR	2015 DWR State Water Project Delivery Capability Report
DDW	State Water Resources Control Board Division of Drinking Water
DMA	District Metered Area
DMM	Demand Management Measures
DOF	California Department of Finance
DSS	Least Cost Planning Decision Support System
DWR	California Department of Water Resources
EPA	Environmental Protection Agency
ETo	Evapotranspiration
FY	fiscal year
GCM	global climate model
GPCD	gallons per capita per day
gpd	gallons per day
gpf	gallons per flush
gpm	gallons per minute
HET	High-Efficiency Toilet
LD&R	Leak Detection and Repair
M&I	Municipal & Industrial
MOU	Memorandum of Understanding Regarding Water Conservation in California
MWM	Maddaus Water Management Inc.
NIWR	Net Irrigation Water Requirements
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
O&M	Operations & Maintenance
PMCL	Planning and Management Consultants, Ltd.
PWS	Public Water Systems
RUWMP	Regional Urban Water Management Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SB X7-7	Water Conservation Bill of 2009
SWF	Sustainable Water Facility
SWRCB	State Water Resources Control Board
USBR	United States Bureau of Reclamation
USGS	U.S. Geological Survey
UWCC	Urban Water Conservation Committee
UWMP	Urban Water Management Plan
UWMP Act	Urban Water Management Planning Act of 1983 (AB 797)
WARN	Water/Wastewater Agency Response Network
WDR	Waste Discharge Requirement
WRR	Water Recycling Requirement
WWTP	Wastewater Treatment Plant

1. INTRODUCTION AND OVERVIEW

This report presents the 2015 Urban Water Management Plan (2015 UWMP) for the Cambria Community Services District (CCSD) service area. This section describes the general purpose of the 2015 UWMP, discusses 2015 UWMP implementation, and provides general information about CCSD and its service area characteristics.

1.1 Background and Purpose

The intent of this plan is to provide the Department of Water Resources (DWR) and the public with information on present and future water sources and demands and to provide an assessment of CCSD's water resource needs. Specifically, the 2015 UWMP must provide water supply planning for a 20-year planning period in 5-year increments, identify and quantify adequate water supplies for existing and future demands during normal, dry and drought years, and assure efficient use of urban water supplies. This 2015 UWMP addresses all Water Code requirements for such a plan as shown in the completed DWR UWMP checklist provided in Appendix A.

1.2 Urban Water Management Planning and the California Water Code

The 2015 Urban Water Management Plan (UWMP) update for the Cambria Community Services District was prepared in compliance with the Urban Water Management Planning Act, California *Water Code* (CWC) §10610 through §10657, as amended. The California Department of Water Resources (DWR) has produced the "Guidebook to Assist Urban Water Suppliers to Prepare a 2015 Urban Water Management Plan" (Final, March 2016), which was used to guide the development of the CCSD's 2015 UWMP update. When compared to the CCSD's earlier 2010 UWMP, the 2015 UWMP update has been rearranged to better correlate with the outline and content needs suggested within the March 2016 DWR Guidebook. Many of the tables presented herein are also intended to match the formatting suggested within the DWR Guidebook with the intention of facilitating a future DWR review.

The UWMP Act requires that "every urban water supplier shall prepare and adopt an Urban Water Management Plan." An urban water supplier is defined as "a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually." CCSD, as defined in the California Water Code Section 10617, qualifies as an "Urban Water Supplier." CCSD is a public agency directly providing water for municipal purposes to approximately 4,028 customer accounts, which is more than 3,000 customers, so a UWMP is required to be completed for 2015 and every five years thereafter and submitted to the California Department of Water Resources.

In order for an urban water supplier to be eligible for any water management grant or loan administered by DWR, the agency must have a current UWMP on file that has been determined by DWR to address the requirements of the California Water Code (CWC). A current UWMP must also be maintained by the water supplier throughout the term of any grant or loan administered by DWR. A UWMP may also be required in order to be eligible for other State funding, depending on the conditions that are specified in the funding guidelines.

1.2.1 Urban Water Management Planning Act of 1983 (AB 797)

The UWMP Act requires urban water suppliers to report, describe, and evaluate:

- Water deliveries and uses
- Water supply sources
- Efficient water uses
- Demand Management Measures (Conservation Measures), including implementation strategy and schedule

The UWMP Act directs water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies are available to meet existing and future demands. Urban water suppliers are required to assess current demands and supplies over a 20-year planning horizon and consider various drought scenarios. The UWMP Act also requires water shortage contingency planning and drought response actions be included in a UWMP.

This 2015 UWMP coalesces important information on CCSD's water supply planning and studies, emergency response, and conservation activities.

A checklist to ensure compliance of this 2015 UWMP with the UWMP Act requirements is provided in Appendix A.

1.2.2 Applicable Changes to the Water Code since 2010 UWMPs

Listed below are the applicable changes to the water code since the 2010 Urban Water Management Plan.

Change Number	Topic	CWC Section	Legislation Bill	Summary	Section in CCSD 2015 UWMP
1	Demand Management Measures	10631 (f) (1) and (2)	AB 2067, 2014	Requires water suppliers to provide narratives describing their water demand management measures, as provided. Requires retail water suppliers to address the nature and extent of each water demand management measure implemented over the past 5 years and describe the water demand management measures that the supplier plans to implement to achieve its water use targets.	Chapter 9
2	Submittal Date	10621 (d)	AB 2067, 2014	Requires each urban water supplier to submit its 2015 plan to the Department of Water Resources by July 1, 2016.	Chapter 10
3	Electronic Submittal	10644 (a) (2)	SB 1420, 2014	Requires the plan, or amendments to the plan, to be submitted electronically to the department.	Chapter 10
4	Standardized Forms	10644 (a) (2)	SB 1420, 2014	Requires the plan, or amendments to the plan, to include any standardized forms, tables, or displays specified by the department.	Water agencies are required to submit UWMP data electronically to DWR using standardized tables. CCSD is including the UWMP standardized forms as tables in this 2015 UWMP.
5	Water Loss	10631 (e) (1) (J) and (e) (3) (A) and (B)	SB 1420, 2014	Requires the plan to quantify and report on distribution system water loss.	Section 4.3, Appendix K
6	Estimating Future Water Savings	10631 (e) (4)	SB 1420, 2014	Provides for water use projections to display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans, when that information is available and applicable to an urban water supplier.	Section 4.4, Appendix G

7	Defining Water Features	10632	AB 2409, 2010	Requires urban water suppliers to analyze and define water features that are artificially supplied, including ponds, lakes, waterfalls, and fountains, separately from swimming pools/spas.	Section 8.2.4

1.2.3 Water Conservation Act of 2009 (SB X7-7)

In addition to the UWMP Act, the Water Conservation Act of 2009 (Senate Bill X7-7 or SB X7-7) requires urban water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use target, interim urban water use target, and compliance daily per capita water use.

Beginning in 2016, retail water suppliers are required to comply with the water conservation requirements in SB X7-7 in order to be eligible for State water grants or loans.

1.3 UWMP Organization

The following information is included in this report and is discussed in individual sections below:

Section 1 – Introduction and Overview: In this introductory chapter, a discussion on the importance of water management planning is provided and the extent of CCSD's efforts in related activities.

Section 2 – Plan Preparation: This section describes the basis for preparing the 2015 UWMP, the regional planning involved, the calendar year and units of measure, and the coordination and outreach efforts CCSD utilized.

Section 3 – System Description: This section of the plan includes a map of CCSD's service area and a description of the service area and climate. A discussion of the Public Water System(s), the organizational structure, and the history of the water supplier are also provided.

Section 4 – System Water Use: This section describes the urban water system demands, including calculating baseline water use and interim and urban water use targets. It quantifies the current water system demand by category and projects them over the planning horizon of the 2015 UWMP, including water sales to other agencies, system water losses, and water use target compliance projections.

Section 5 – Baselines and Targets: This section includes information regarding the baselines and targets for CCSD.

Section 6 – System Supplies: This section describes and quantifies the current and projected sources of water available to CCSD. A description and quantification of potential recycled water uses and supply availability are also included in this chapter.

Section 7 – Water Supply Reliability: This section describes the reliability of CCSD's water supply and provides a 20-year reliability projection. This description is provided for normal, single dry years, and multiple dry years.

Section 8 – Water Shortage Contingency Planning: This section provides CCSD's staged contingency plan to be implemented during water shortages, including catastrophic supply interruption.

Section 9 – Demand Management Measures: CCSD's efforts to promote conservation and to reduce demand on water supply is detailed in this section, which also specifically addresses several demand management measures.

Section 10 – Plan Adoption, Submittal, and Implementation: This section outlines the steps taken to adopt and submit the 2015 UWMP, including CCSD's efforts to publicly circulate the plan for review and comment. This section of the plan also includes a discussion of CCSD's intent to implement the 2015 UWMP.

Section 11 – References: All applicable references contained within this 2015 UWMP are noted in this section.

Section 12 – Appendices: As shown in the Table of Contents, a number of appendices are included consisting of documents related to this 2015 UWMP Plan Preparation.

2. PLAN PREPARATION

The 2015 UWMP update was jointly prepared by the CCSD District Engineer[1] and Maddaus Water Management with support from CCSD staff, and CCSD legal counsel.

References used to support development of the UWMP are provided in Section 11. Questions concerning the UWMP should be directed to the CCSD District Office at P.O. Box 65, Cambria, CA 93465, or by calling the District Office at 805-927-6223. Requests for copies of the UWMP or supporting CCSD references should be submitted to the CCSD District Clerk. The 2015 update will also be posted on the CCSD website at www.cambriacsd.org.

2.1 Basis for Preparing a Plan

In accordance with the California Water Code (CWC) as previously described in Section 1.2 of this plan, CCSD has prepared this plan in compliance with State law and following the guidelines as outlaid by the Department of Water Resources in their "*Guidelines for Urban Water Suppliers*" guidebook, posted as Final in March 2016. The 2015 UWMP is the 5-year update to the 2010 UWMP and will supersede the contents of the former plan.

2.1.1 Public Water Systems

Public Water Systems (PWS) are the systems that provide drinking water for human consumption. These systems are regulated by the State Water Resources Control Board (Board), Division of Drinking Water (DDW). The California Health and Safety Code 116275(h) defines a "Public Water System" as a system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year. Therefore, the CCSD water system is a Public Water System by definition and operates under a domestic water supply permit issued by DDW.

Table 2-1 lists the name and number of connections reported in this 2015 UWMP.

Table 2-1. Public Water Systems

Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015 (AFY)
CA4010014	Cambria Community Services District	4,028	467
	TOTAL	4.028	467

2.2 Regional Planning

The CCSD is a signatory agency to a Regional Water Management Plan Memorandum of Understanding (MOU), which is administered by San Luis Obispo County. The CCSD is also a voting member of the County's Water Resource Advisory Committee (WRAC), which typically meets monthly and advises the County Board of Supervisors on various water-related issues.

[1] Robert C. Gresens, P.E. C 34018 (6/30/2017). The 2010 UWMP was prepared as a planning-level document and is not for construction.

2.3 Individual or Regional Planning and Compliance

Table 2-2 defines the type of plan for this 2015 UWMP.

Table 2-2. Plan Identification

Table 2-2: Plan Identification			
Select Only One	**Type of Plan**		1.1.1. Name of RUWMP or Regional Alliance
☑	**Individual UWMP**		
	☐	Water Supplier is also a member of a RUWMP	
	☐	Water Supplier is also a member of a Regional Alliance	
☐	**Regional Urban Water Management Plan (RUWMP)**		

2.3.1 Regional UWMP

The CCSD service area is not interconnected with other water agencies or water wholesalers, which may be attributable to its relatively isolated location. CCSD is not part of a Regional UWMP.

2.4 Calendar Year and Units of Measure

This section identifies the basis of reporting and units of measure as used for this 2015 UWMP.

2.4.1 Calendar Year Reporting

Since CCSD reports on a calendar year basis rather than fiscal, it is required to include the water use and planning data for the entire calendar year of 2015. This 2015 UWMP reflects that requirement.

2.4.2 Units of Measure

For consistency, CCSD utilizes acre-feet (AF) throughout this plan as the unit of measure when reporting water volume. Table 2-3 provides agency identification information, type of year reporting, and units of measure used.

Table 2-3. Agency Identification

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
☐	Agency is a wholesaler
☑	Agency is a retailer
Fiscal or Calendar Year (select one)	
☑	UWMP Tables Are in Calendar Years
☐	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF

2.5 Coordination and Outreach

This section describes the coordination and outreach efforts of CCSD during preparation of the 2015 UWMP.

2.5.1 Wholesale and Retail Coordination

The CCSD is not a water wholesaler and does not receive any of its water supply from a water wholesale agency.

Table 2-4. Water Supplier Information Exchange

Table 2-4 Retail: Water Supplier Information Exchange
The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.
Wholesale Water Supplier Name *(Add additional rows as needed)*
Notes: N/A

2.5.2 Coordination with Other Agencies and the Community

Coordination of the CCSD's 2015 UWMP update occurred via discussions with the San Luis Obispo County Department of Planning and Building. A public review draft of the 2015 UWMP was also provided for review during November 2016, which was made available at the CCSD District office and Cambria library, as well as being posted on the CCSD website www.cambriacsd.org. On December 15, 2016, a public hearing was held as part of the CCSD's Board meeting to further solicit public comments and seek Board input on the 2015 UWMP Update.

CCSD has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the 2015 UWMP. Multiple attempts for community outreach have been provided as discussed in notices under Section 2.1.7.

2.5.3 Notice to Cities and Counties

In accordance with the requirements of CWC 10621(b), a formal 60-day advanced notice was provided to San Luis Obispo County via a letter to County planning staff dated August 18, 2016. Published notices also occurred in The San Luis Obispo *Tribune* newspaper on October 12, 2016 and October 13, 2016. A public hearing was conducted on December 15, 2016 prior to the CCSD's Board's Adoption of the plan. Noticing for the CCSD public hearing occurred as part of the CCSD's established Board meeting noticing protocol, which complies with §6066 of the *Government Code*. Appendix B includes the 60-day noticing letter to the County as well as the published newspaper notices.

3. SYSTEM DESCRIPTION

This section of the plan includes a description of the CCSD water system, service area, population, and climate. A discussion of the Public Water System(s), the organizational structure, and the history of the water supplier is also provided.

3.1 General Description

The Cambria Community Services District provides water service to the unincorporated town of Cambria within San Luis Obispo County. Cambria is located along Highway 1 on the North Coast of San Luis Obispo County approximately 35 miles north of the City of San Luis Obispo. The community is relatively isolated to access north and south from Highway 1 due to the Pacific Ocean being immediately to the west, and the Santa Lucia Mountain Range lying to the east. Highway 46 connects into Highway 1 approximately four miles south of Cambria, and provides the main inland connector route to Highway 101, which is approximately 22 miles inland. To travel inland towards Paso Robles, the route along Highway 46 passes over a summit at 1,720 feet above sea level. Figure 3-1 shows the location of Cambria.

The Cambria Community Services District provides water supply, wastewater collection and treatment, fire protection, garbage collection, and a limited amount of street lighting and recreation. When it was formed in 1977, the Cambria Community Services District became a successor to an earlier Cambria County Water District, which was formed in 1959. The CCSD has a five-member elected Board of Directors. Land use authority for the service area is under the auspices of San Luis Obispo County, which also provides the area services for police, flood control, and roadways. The District's service area is also within the Coastal Zone and subject to the Local Coastal Program that was first developed by the County and certified by the California Coastal Commission in 1988. In addition to providing water service within its Urban Services Boundary, the CCD provides water and wastewater services via a contract to the Hearst San Simeon State Parks campground, which is approximately 2 miles north of Cambria, near the intersection of Highway 1 and Simeon Creek Road. Providing water service beyond its current boundary and previously contracted areas is subject to the Measure P, which was voter-approved during 2006. This measure requires amending the CCSD's water mater plan, completing supporting environmental review, and obtaining voter approval before water service could be extended. Land use is guided through conformance with the San Luis Obispo County North Coast Area Plan, Coastal Zone Land Use Ordinance, and Framework for Planning Coastal Zone, General Plan Land Use, and Circulation Elements.

Prior to 1959, the community water supply was provided by the Cambria Development Company, and earlier by the J.D. Campbell Water Company. The District currently serves a year-round population of about 6,032[2] as well as a large number of visitors to the Central Coast. Figure 3-2 shows CCSD service area and sphere of influence areas, which was last adopted by the San Luis Obispo County LAFCO in 2007. The CCSD service area covers approximately four (4) square miles.

The District's potable water is supplied solely from groundwater wells in the San Simeon and Santa Rosa Creek aquifers (underflow of these streams). The California Department of Water Resources Bulletin No. 118 identifies these two sources as the San Simeon and Santa Rosa groundwater basins, numbers 3-35 and 3-36, respectively. Appendix C contains the Bulletin 118 summary description of each of the two aquifers, neither of which is listed as being in overdraft status by the State. The San Simeon and Santa Rosa aquifers are relatively shallow and porous, with the groundwater levels typically recharged every year during the rainy season. With CCSD pumping, groundwater levels generally exhibit a characteristic pattern of consistent high levels during the wet season, steady decline during the dry season, and rapid rise when the wet season resumes. Further discussion on the CCSD's aquifers can be found in the November 19, 2015 Cambria Community Services District Groundwater Management Plan.

[2] 2010 US Census for Cambria CDP.

Appropriations permits issued by the SWRCB to the CCSD allow a maximum of 1,230 acre-feet annually from the San Simeon aquifer, while limiting dry season pumping to 370 acre-feet maximum from the time that the creek ceases flow at the Palmer Flats gauging station, until October 31. The Santa Rosa Creek SWRCB appropriations permit limits the Santa Rosa aquifer pumping to 518 acre-feet annually, with a dry season pumping limit of 260 acre-feet from May 1 to October 31. The maximum pumping rates allowed are 2.5 cubic feet per second (cfs, or 1120 gpm) for the San Simeon aquifer; and, 2.67 cfs (1197 gpm) for the Santa Rosa aquifer. In addition to the SWRCB permits, California Coastal Commission Coastal Development Permit 428-10 limits the CCSD's annual diversion from both basins to 1,230 AFY. Copies of permits are provided in Appendix D.

The CCSD may license its existing appropriations permits with the State Water Resources Control Board (SWRCB). This decision is subject to future CCSD Board deliberations and policy direction. For purposes of completing this 2015 UWMP Update, conservatively low appropriation values were used based on past production pumping. Should the CCSD complete licensing of its existing SWRCB diversion permits, the allowable diversions would be limited to 217.92 AFY from the CCSD's Santa Rosa Creek aquifer wells (based on calendar year 2008 pumping) and 798.82 AFY from the CCSD's San Simeon Creek aquifer wells (based on calendar year 2000 pumping). These amounts total 1,016.74 AFY (rounded to 1,017 AFY), and may be exclusive of riparian water use. During 2015, 69 acre-feet of product water was re-injected into the San Simeon Creek aquifer by the CCSD's Sustainable Water Facility (SWF). Based on modeling estimates by the SWF's geo-hydrologist, approximately 60% of the re-injected water would enter the District's San Simeon Creek aquifer potable water wells, which equates to a net amount of 41 acre-feet. This 41 acre-feet volume is within the 467 acre-feet groundwater total shown in Appendix E, SBX Table 4-B. Also included within the 467 acre-feet groundwater total during 2015 was approximately 46.5 acre-feet of riparian-use agriculture water provided to the Warren Ranch property. This agriculture water use was metered from a potable water service connection downstream from the San Simeon aquifer production well meters, and is being provided as part of 2006 water rights settlement agreement between the CCSD and Warren.

To minimize potable groundwater losses at the aquifer and ocean interface, the CCSD percolates treated wastewater effluent into the San Simeon Creek aquifer downstream from its production wells. This practice also helps to prevent saltwater intrusion into the freshwater water aquifer. If the groundwater level drops too far, treated effluent and seawater could migrate toward the water supply wells, deteriorating the quality of the water and potentially rendering the freshwater non-potable. Conditions required by the Regional Water Quality Control Board (RWQCB) Waste Discharge Order (Appendix F) for the CCSD wastewater treatment plant include maintaining a positive differential between the up-gradient groundwater levels at its production wells and the down-gradient percolation ponds. During the summer dry season, and depending upon the prior year's precipitation, the CCSD would periodically pump groundwater from its percolation fields in order to maintain this differential. This past practice essentially lost freshwater and associated freshwater storage within the aquifer by further lowering the groundwater table during the late summer/fall period. In response to the 2014 drought emergency, the CCSD completed a Sustainable Water Facility at its percolation basin property, which recovers and reuses a mixture of treated and percolated wastewater effluent, deeper saltwater-influenced brackish water, and creek underflow. This water is highly treated by an advanced water treatment facility and re-injected back into the San Simeon Creek aquifer near the CCSD's potable wells. The operation of the SWF avoids losing valuable freshwater during the late dry season while also reusing treated wastewater, and maintaining a hydraulic gradient. The SWF is capable of re-injecting approximately 1.8 acre-feet of highly treated product water per day when operated continuously over a 24-hour period. Of this re-injected water, approximately 60% will enter the CCSD potable wells after travelling underground for at least 60 days. The remaining 40% will either return to the creek channel as underflow, or recycle back to the extraction well (Well 9P7).

The Santa Rosa well field is Cambria's oldest supply source and was relegated to a back-up and augmentation role following start-up of the San Simeon well field in 1979. The San Simeon groundwater has better quality than the Santa Rosa groundwater due to lower hardness, total dissolved solids (TDS), iron, and manganese concentrations. In 1999 the Santa Rosa well field was shut down after the discovery of an MTBE plume. An emergency well SR-4 and associated treatment plant were subsequently installed further upstream from the existing Santa Rosa well field and placed into operation during August of 2001. Since this time, a pump and treat system has been operating at the gas station, which was the MTBE source, which has gradually reduced the extent of the underground MTBE contamination plume. During

2014, and in response to the drought emergency, the CCSD bifurcated its two lower Santa Rosa wells (SR3 and SR1) that had been offline due to MTBE contamination. SR-1, the lowest well, which is also closest to the earlier MTBE plume became a non-potable well supply for water that could be trucked for outdoor irrigation purposes. Well SR-3, which was further away and up gradient from the old MTBE plume was reactivated following rehabilitation of its iron and manganese removal facility.

In November 2001, the District's Board of Directors declared a Water Code 350 emergency and ceased issuing additional connection permits until an adequate long-term supply project was completed. A draft EIR developed for the Sustainable Water Facility's regular coastal development permit addresses growth and the potential to serve future properties that are on the CCSD's approved wait list and within the CCSD's existing services boundary. To date of this 2015 UWMP Update, the public comments were being carefully reviewed, which are to be addressed within a future Final EIR prior to the CCSD's Board's consideration for its certification. To date, no new water connections are being issued and the District remains under a Water Code 350 declaration.

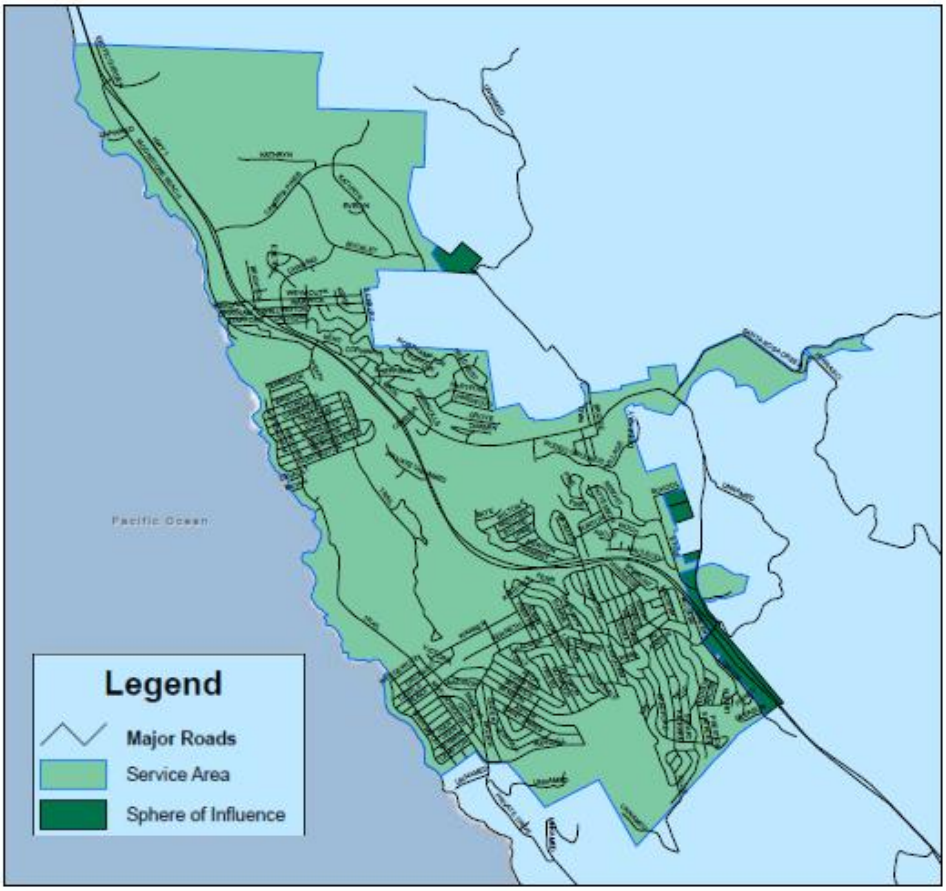
Due to the steep and varying topography of the service area, there are eight pressure zones within the District's water distribution system. The area is served via a system of five groundwater wells, three-distribution system pumping stations, pressure reducing stations, and four tank sites.

3.2 Service Area Boundary Maps

Figure 3-1 shows an overview of CCSD's service area.

Figure 3-1. CCSD Location Map

Figure 3-2. CCSD Service Area and Sphere of Influence Areas[3]



Cambria is known for its outstanding natural environment, which includes native forests of Monterey Pine, creek-side areas, and a scenic coastline. The beauty of the area combined with a mild climate tempered by sea breezes has led to Cambria's popularity and attraction to retirees and tourists. Rainfall averages approximately 20 inches per year and is generally limited to the winter months.

Cambria is within an original Rancho Santa Rosa Mexican land grant area. The town was established in the late 1860s to accommodate shipping of mining and agricultural products in the central coast region. Its importance as a commercial center dissipated around 1900 as mines were depleted and shipping moved further inland by railroad. Today, visitor serving commercial establishments consist of hotels, motels, restaurants, and retail shops. The California States Park operated Hearst Castle is approximately five miles north of Cambria, which also serves to draw tourism to the area.

Much of the water service area is hilly terrain, with lower lying areas existing along the coastline, the Santa Rosa Creek channel, Main Street, and the Highway 1 corridor. The water service area elevations range from near sea level to approximately 550 feet above sea level. There are two commercial retail areas along Main Street, consisting of East Village and West Village. Much of the hilly areas outside of the lower lying commercial areas were subdivided into 25-foot-wide residential lots during the late 1920s by the Cambria Land Development Company.

[3] From San Luis Obispo County Local Agency Formation Commission

The dominant geologic feature of San Luis Obispo County and the Cambria area is the Santa Lucia Mountain Range. The San Simeon Creek and Santa Rosa Creek basins lie on the westerly slope of the Santa Lucia Range where drainage is to the Pacific Ocean. The maximum elevation of the Santa Rosa basin is 2,933 feet on Cypress Mountain, and the highest point in the San Simeon basin is 3,432 feet on Rocky Butte.

The Santa Lucia Mountains are made up largely from the Franciscan formation, which in the San Simeon and Santa Rosa basins, is composed of a mélange of greywacke, metavolcanic rocks, and graywacke. The Franciscan formation is partially overlain with uplifted marine sediments of the late Jurassic, Cretaceous, Tertiary, and Quaternary periods. The most recent formations are Holocene alluvial deposits of gravel, sand, silt, and clay, which make up the streambeds of the creeks. These deposits are the only apparent water-bearing formations within the Santa Rosa and San Simeon drainage basins.

3.3 Service Area Climate

Table 3-0 summarizes the evapotranspiration rates (ETo), precipitation, and temperatures for Cambria. The area benefits from a relatively low evapotranspiration rate when compared to inland areas due to its location being along the coast. The area also has a Mediterranean rainfall pattern with rains typically occurring during the November through March period. The peak summertime irrigation period combined with seasonal tourism results in the maximum daily water demands occurring during the summer. The July 4th holiday weekend often includes the maximum water demand day of the year, which has averaged approximately 1.58 times the average annual demand over the past ten years[4].

Table 3-0. Historical Monthly Average Climate Data for Cambria

Month	Estimated Monthly Average ET_o[1] (inches)	Average Total Rainfall[2] (inches)	Average Temperature[3] (degrees Fahrenheit)	
			Max	Min
January	1.86	3.53	65	45
February	2.22	3.70	66	46
March	2.93	4.37	66	47
April	3.54	1.19	67	48
May	4.15	0.20	66	50
June	4.49	0.10	67	53
July	4.76	0.02	68	55
August	4.27	0.12	69	56
September	3.54	0.63	71	55
October	3.05	0.94	71	52
November	2.03	1.88	69	49
December	1.64	2.98	65	45
Total	38.48	19.66		

[1]Table 5, 1998 USGS Report 98-4061, Yates & Von Konynenberg.
[2] Rainfall data from Cambria CSD wastewater treatment plant gauge, 1974-1992.
[3]Temperature data from Weather.com website for Cambria, California.

3.3.1 Climate Change

This section was prepared at the guidance of DWR given that UWMPs are referenced in other documentation that must by law address climate change. For a related discussion on climate change, please reference the August 2016 Public Review

[4] CCSD water department data, calendar years 2000 through 2010.

Draft, Cambria Sustainable Water Facility Project, Subsequent Environmental Impact Report (SEIR), Section 8.4 (Greenhouse Gas Emissions and Climate Change).

3.4 Service Area Population and Demographics

The CCSD has had a water connection moratorium in place since November of 2001 due to concerns over long-term reliability of its water supply and a need to increase water storage for fire suppression. To address these concerns, the CCSD completed a series of water master planning studies, which were incorporated by reference into a program-level water master plan EIR (PEIR) that was certified by the CCSD Board on August 21, 2008. The prior studies recommended a multifaceted approach that included improvements to the potable distribution system to enhance firefighting, water conservation, recycled water for non-potable irrigation, and further augmenting and drought-proofing the local potable supply using seawater desalination. Over the years, the CCSD has made steady progress, including the completion of its Pine Knolls storage tanks, and an interconnecting water distribution main across an open space area (the East-West Ranch pipeline, which interconnects the Lodge Hill distribution system with the Park Hill distribution system). In response to a 2014 drought emergency, the CCSD more recently completed its Sustainable Water Facility project, which went into service during early 2015. The SWF currently operates under an emergency coastal development permit, which includes conditions to complete a regular coastal development permit. The CCSD is currently in the process of applying for regular coastal development permit, which will be supported by a draft project EIR. The draft SWF project EIR is currently in the process of being completed.

The earlier 2008 water master plan programmatic EIR addressed growth inducement concerns through the adoption of a build-out reduction program mitigation measure. The build-out reduction program was based on detailed geographical information system mapping and analysis coupled with financial modeling. This work was further reviewed by a local citizens' committee, which met for over a year during its development. The result was a recommended build-out goal of 4,650 existing and future residences. This essentially allowed for an existing water connection wait list of 666 lot owners to proceed at a pace estimated to spread out over 22 years into the future, once the moratorium is lifted.

San Luis Obispo County also completed work on the Cambria and San Simeon Acres Community Plans of the North Coast Area plan. The County Board of Supervisors certified their EIR on the community plans, which adopted an alternative for 4,650 existing and future housing units, and was subsequently incorporated into the San Luis Obispo County North Coast Area Plan. The County also has a growth management ordinance in place that sets maximum growth rates following review of a periodic Resource Management System report to the County Board of Supervisors (periodic reviews are completed every two years). Layered on top of the County's growth management ordinance, are conditions imposed by the California Coastal Commission from earlier Coastal Development Permits that may also affect the CCSD's growth rate. These include a maximum rate of 125 new residences in any one year.

The timing of future growth is subject to the permitting and approval of future projects by other agencies, economic conditions, and other factors that may not be under the direct control of the CCSD. Therefore, any projections on population growth should be viewed with caution. For purposes of developing population estimates, it was assumed that adequate progress would be made on a supplemental source of water to allow the moratorium to be lifted during 2017. The County Board of Supervisors will ultimately determine whether a growth rate could be allowed for Cambria. For purposes of this 2015 UWMP, a 1% per year growth rate per year was assumed until reaching the buildout maximum of 4,650 existing and future residential connections.

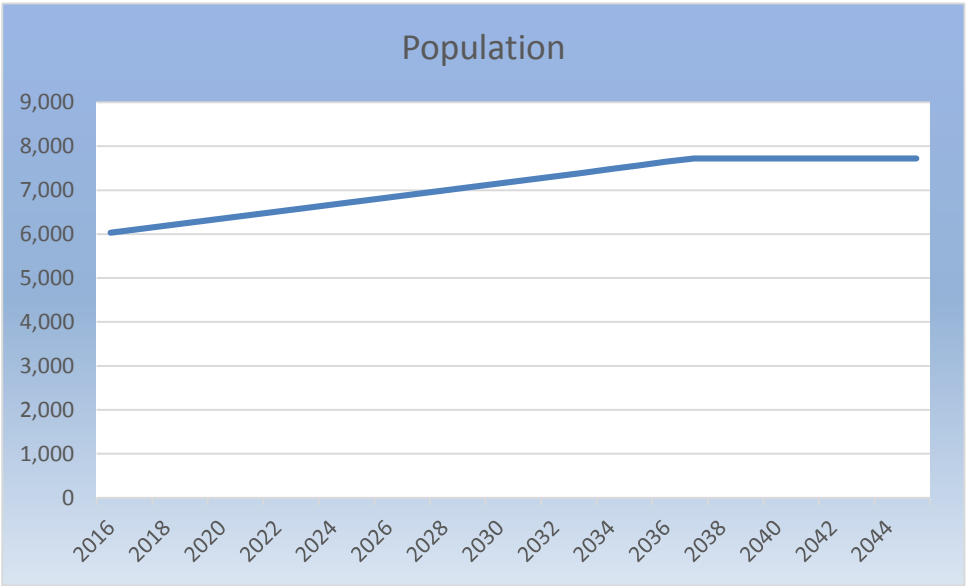
Besides growth rate, and for purposes of forecasting, population from the 2010 census was used, as well as earlier census occupancy averages of approximately 1.66 persons per housing unit.

Table 3-1 and Figure 3-3 below display CCSD's current and projection population data.

Table 3-1. Population – Current and Projected

Table 3-1 Retail: Population - Current and Projected						
Population Served	2015	2020	2025	2030	2035	2040
	6,032	6,353	6,755	7,157	7,558	7,719
NOTES: Between 2010 and 2016, the population in Cambria has not grown due to a building moratorium. There was minimal change in number of accounts between 2010 and 2015. Therefore, the 2010 census population for Cambria CDP per the "Profile of General Population and Housing Characteristics: 2010" is assumed to be applicable to year 2015 population. From 2016 through year 2037 a population growth rate of approximately 1% per year is projected based on the County of San Luis Obispo growth management ordinance and a maximum population of 7,719 representing 4,650 housing units x 1.66 average people per household based on the 2010 census.						

Figure 3-3. CCSD Population Projections



Note:

1. From Table 3-1.

3.4.1 Other Demographic Factors

To avoid possible influence from the great recession of 2009, demographic information was used from an earlier 2000 US Census. For 2000, Cambria had a total full time population of 6,232, with a median age of 50.7 years. The 2000 vacancy rate of 24.4% indicates a high percentage of the homes may be second or vacation homes. In contrast, the US average for vacancy during the same period was 9 percent. The vacancy rate from the 2010 Census data showed an increase to 32 percent, as there were a total of 4,062 housing units, with 1,300 that were vacant. For 2010, the average household size was 2.18 persons per occupied home. When including the vacant homes, the average 2010 household drops to 1.48 persons per home. From earlier 2000 and 1990 census data, the overall occupancy rate was approximately 1.66 persons per household, which was derived from dividing the population by the total number of housing units (I.e., both occupied and non-occupied housing units).

The 2010 census data indicated approximately 13.4%of all households in Cambria were within a low income group (i.e., annual income earned less than $24,999). Cambria's 2010 median income was approximately $72,100. To project low

income water demands it was assumed that the 13.4% were evenly distributed between the single-family and multi-family water use sectors. The projected low income demands using this approach are shown in Table 4-5b.

4. SYSTEM WATER USE

Accurately tracking and reporting current water demands allow a water supplier to properly analyze the use of its resources and conduct good resource planning. Estimating future demand as accurately as possible allows water agencies to manage their water supply and appropriately plan their infrastructure investments. Assessments of future growth and related water demand, done in coordination with local planning agencies, provide essential information for developing demand projections.

This section describes the urban water system demands, including calculating baseline (base daily per capita) water use and interim and urban water use targets. It quantifies the current water system demand by category and projects them over the planning horizon of the 2015 UWMP. These projections include metered, and billed water, non-revenue water that is metered and may not be billed and possibly be covered by special agreements, system water losses, as well as water use target compliance.

The section also includes a detailed description of how the baseline and targets were calculated. The calculations follow the technical methods and methodologies described in Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use (for the Consistent Implementation of the Water Conservation Requirements of 2009) (DWR 2010a). Background information and the approach used to develop baselines and targets are also included.

4.1 Recycled versus Potable and Raw Water Demand

Recycled water is addressed comprehensively in Section 6.5 of this 2015 UWMP, but a summary of recycled water demand is included in Table 4-3. Chapter 4 addresses potable water demand and also provides for the reporting of raw water demand for the year 2015. Raw water use in 2015 is reported in Table 4-1.

This section provides information regarding CCSD's recycled versus potable and raw water demand.

4.2 Water Uses by Sector

Actual and projected CCSD potable water uses for the various customer types metered are shown in Tables 4-1 to 4-3. This data is based on metered customer demands, and does not include any water distribution system losses or unaccounted for water that may be attributable with overall water production. When compared to actual production totals, the 2015 delivered total was approximately 11.6% less, which shows the apparent and real losses (from metering errors, data handling errors, and distribution system leaks) is fairly close to an earlier 2010 US EPA reference[5], which had cited 10% or less as being a commonly accepted criteria. The 2015 loss may have been influenced in part by the significantly reduced consumption in response to conservation measures in response to the drought. This is because certain real and apparent losses are more pressure dependent (such as leaks, which are more of a function of pressure as opposed to the flow within the pipelines), which would tend to increase the percent loss when consumption is significantly reduced. For example, production for 2015 was 37 percent less when compared to a non-drought 12-month period from July 2012 through June 2013 (FY 2012-2013), which had only 11.4 acre-feet of apparent losses, or only 1.5 percent.

Between 2005 and 2010, the CCSD started tracking registered vacation rental homes, which are used as for-profit commercial enterprises to serve outside visitors. In 2010, there were 247 vacation rental homes, which were carried forward and shown as its own use category in Table 4-2.

[5] U.S. Environmental Protection Agency. *Control and Mitigation of Drinking Water Losses in Distribution Systems*, EPA 816-R-10-019, November 2010.

Table 4-1. Demands for Potable and Raw Water – Actual

Table 4-1 Retail: Demands for Potable and Raw Water - Actual			
Use Type	2015 Actual		
Drop down list *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool*	Additional Description (*as needed)*	Level of Treatment When Delivered	Volume (AFY)
Single Family	Includes vacation rental water use	Drinking Water	239
Multi-Family		Drinking Water	14
Commercial		Drinking Water	109
Other	CCSD internal account use for 2006 Warren water rights settlement (agriculture water), & process water for water and wastewater treatment.	Drinking Water	51
Losses	Non-revenue water	Drinking Water	54
		TOTAL	467
NOTES: Other water use of 51 acre-feet includes: 46.5 acre-feet provided to Warren property per a 2006 water rights settlement agreement between Warren and the CCSD; 2.9 acre-feet of filter backwash water from the wells SR3 and SR4 wellhead treatment facilities; and 1.6 acre-feet of other internal CCSD meters. This water is metered downstream from the CCSD production well meters, and is authorized and metered. Depending upon the level of use, the metered Warren water may be billed or unbilled water (it is billed when demand exceeds 20 AF). Non-revenue water is the difference between the amount of water produced and the amount of water metered and billed to customers (except for the aforementioned Warren settlement agreement water).			

The future water demand and associated conservation for the years 2015 to 2040 were calculated using the Least Cost Planning Decision Support System (DSS Model). The DSS Model is an Excel-based proprietary software created by Maddaus Water Management, which is endorsed by the California Urban Water Conservation Council. Background information on the DSS Model is presented in Appendix G.

The future water demands do meet the SB X7-7 reduction targets, which the CCSD adopted as part of its earlier 2010 Urban Water Management Plan Update (using Method 3 which is described in Section 5.1). The demands assume an average baseline water use per customer category account based on years 2007-2012 excluding recent drought year water use. Table G-1 in Appendix G presents the base year water use profile by customer category. Projected demands include plumbing code savings, which are also explained in Appendix G. CCSD's conservation program is described in Section 9. The key element to the water use reduction is a focused effort on water loss reduction described in Section 9.1.

Table 4-2. Demands for Potable and Raw Water – Projected

Table 4-2 Retail: Demands for Potable and Raw Water - Projected						
Use Type	Additional Description *(as needed)*	Projected Water Use (AFY)				
Drop down list *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool*		2020	2025	2030	2035	2040
Single Family	Does NOT include vacation rental home water use	440	442	445	455	453
Multi-Family	Does NOT include vacation rental home water use	23	22	23	23	23
Commercial		167	174	182	190	192
Other	CCSD internal account use for 2006 Warren water rights settlement (agriculture water), & process water for water and wastewater treatment.	26	26	26	26	26
Single Family	Vacation rental homes ONLY.	35	35	35	35	35
Losses	Non-revenue water	56	58	59	62	61
	TOTAL	747	757	770	791	789

NOTES: Projected water use only includes savings resulting from plumbing code updates. The passive savings methodology is presented in Appendix G. Other demands include 20 AFY of agriculture water to the Warren property (2015 actual water use was higher than historical average use), which is used in areas where non-potable water is excluded (described further within a 2006 water rights settlement agreement between the CCSD and Warren). Non-revenue water is the difference between the amount of water produced and the amount of water billed to customers. The percentage of non-revenue water was estimated by comparing water production statistics to water sales statistics. Sources of non-revenue water may include:

• Fire Hydrant Operations by the Fire Department - This represents the use of water for emergencies.

• Customer Meter Inaccuracies - Customer meters represent one of the main sources of non-revenue water. As they age, they tend to under-represent the actual customer use.

• Leaky water lines - Leakage from water pipes is a common occurrence in water systems. A significant number of leaks remain undetected over long periods of time as they are very small. However, these small leaks contribute to the overall non-revenue water.

Table 4-3. Total Water Demands

Table 4-3 Retail: Total Water Demands (AFY)						
	2015	2020	2025	2030	2035	2040
Potable and Raw Water* *From Tables 4-1 and 4-2*	467	747	757	770	791	789
Recycled Water Demand *From Table 6-4*	420	598	606	616	633	631
TOTAL WATER DEMAND	887	1,345	1,363	1,386	1,424	1,420
NOTES: The increase in potable and raw demand-between year 2015 actual demand and projected 2020 demand is due to the conservative assumption that drought-year-reduced 2015 demand will rebound to pre-drought 2013 water use levels. Further explained in Section 6, service area wastewater production is estimated to be 80% of potable and raw water demand, with ALL wastewater being used as a seawater barrier (via discharge into the groundwater aquifer at the CCSD's percolation ponds); being re-injected into the groundwater aquifer at the San Simeon well field (via the CCSD's Sustainable Water Facility, indirect potable reuse project); and, as recycled water for outdoor irrigation (estimated to start in 2020, subject to funding availability). In fact, only 20% of potable and raw water is NOT reintroduced into the groundwater aquifer or reused.						

4.3 Distribution System Water Losses

Distribution system water losses are also known as “apparent and real losses”. The real water losses from the water distribution system are typically leaks within the CCSD distribution system and the supplier’s storage facilities, up to the point of customer consumption. Apparent losses may be caused by customer meter inaccuracies, unauthorized consumption, and data handling errors.

Presented in Table 4-4, “water loss” is the difference between water production and water consumption and represents “lost” water from both apparent and real losses. Please note that water losses in the following table are NOT equivalent to the estimated non-revenue water presented in Table 4-1 and Table 4-2. Non-revenue water use may include other types of water use including unbilled metered and unmetered authorized consumption.

To comply with California SB 1420 (2014), this 2015 UWMP includes an audit of the CCSD’s FY 2012/2013 period, which began on July 1, 2012. This period was used to allow use of financial data, which is also on a fiscal year basis and part of the data needed within the AWWA methodology. The 11.4 acre-feet of water loss is very low (1.5% of total demand) when compared to more current years, as well as a commonly observed value of 10% or less as being within a reasonable operating range. From review of Table 4-2, the losses being used in future projections are approximately 8%. Further discussion on water loss can be found in Section 4.2.

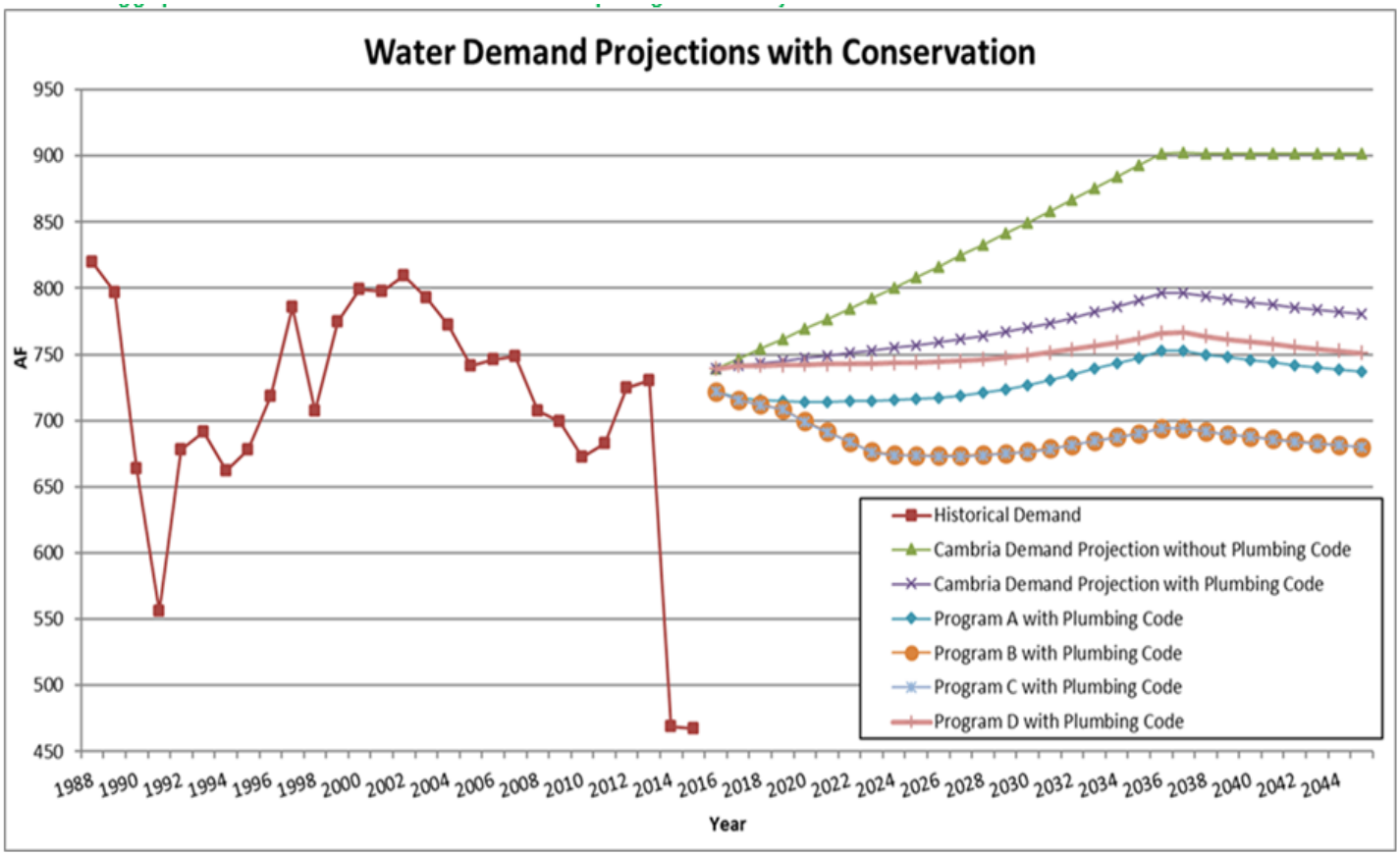
Table 4-4. 12-Month Water Loss Auditing Report

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss* (AFY)
Jul-12	11.4
** Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the 2012 AWWA worksheet.*	
NOTES: For FY 2012/2013, with the CCSD fiscal year beginning on July 1, 2012. Water loss is in acre-feet.	

4.4 Estimating Future Water Savings

The projected demands presented in this 2015 UWMP include estimate plumbing code savings. CCSD's process of estimating future water savings, the passive savings methodology, can be found in Appendix G. This more recent analysis has shown that future demands can be further reduced depending upon the level of conservation required of any newly constructed homes, as well as continuation of existing conservation practices on existing homes. The analyses described in Appendix G are summarized in Figure 4-1, which shows the projected water demands at a buildout of 4,650 existing and future (CCSD wait list) residential housing units. The supporting analysis for this plot assumed a 1% annual growth rate until reaching buildout.

Figure 4-1. DSS Modeling Summary of Future Water Demands



Note: Drought and economic recession years are presented in actual data: 1988-92 (drought), 2007-09 (drought), 2008-2012 (recession), 2014-15 (drought).

Figure 4-1 shows the existing CCSD production in red, which illustrates the exceptional level of conservation achieved in response to the areas epic drought. The DSS Modeling effort conservatively assumed customer demand would rebound to pre-drought levels at its starting point. From here, the Cambria Demand Projection without Plumbing Code plot line shows demands with no conservation occurring, including ones that are currently mandated by the existing plumbing code. The Cambria Demand Projection with Plumbing Code plot line shows the future demands with the benefit of the existing plumbing code's more water efficient requirements taken into consideration. This plot was the basis used in conservatively projecting demands within this 2015 UWMP. Of the various programs developed, the following scenarios were modeled:

- Program A with Plumbing Code plot line shows the estimated future demand with existing water conservation demand management measures in place for existing customers (and with no stages of a water shortage emergency being in effect) and existing Green Building Code required technologies being installed in future homes.
- The bottom line plot shows conservation Programs B and C, which are so close in demands that they appear to be one line. Of the plots shown, future conservation Program B is estimated to be modestly more cost effective. Both programs include more aggressive building and landscape design requirements than would be required by state's Green Building Code and Model Water Efficient Landscape Ordinance. Program B is the recommended program for implementation.
- Program D with Plumbing Code shows the estimated total demand of existing and future connections, assuming no benefit from the conservation efforts by existing customers, while maximizing the use of recent water saving technologies being required within future homes[6].

4.5 Water Use for Lower Income Households

Table 4-5 indicates whether or not CCSD has included future water savings in this 2015 UWMP, where that information is located, and that lower income residential demands have been included.

The 2010 census data indicated approximately 13.4 percent of all households in Cambria were within a low income group (i.e., annual income earned less than $24,999). Cambria's 2010 median income was approximately $72,100. To project low income water demands it was assumed that the 13.4 percent were evenly distributed between the single-family and multi-family water use sectors. The projected low income demands using this approach are shown in Table 4-5b.

[6] For example, the Nexus E-water® system, point of use recycled water system, which allows for flushing toilets within homes with treated gray water.

Table 4-5. Inclusion in Water Use Projections

Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections?	Yes
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc.... utilized in demand projections are found.	Appendix G, Table G-1
Are Lower Income Residential Demands Included In Projections?	Yes
NOTES: The 2010 census data indicated approximately 13.4 percent of all households in Cambria were within a low income group (i.e., annual income earned less than $24,999). Cambria's 2010 median income was approximately $72,100. To project low income water demands it was assumed that the 13.4 percent were evenly distributed between the single-family and multi-family water use sectors. The projected low income demands using this approach are shown in Table 4-5b.	

Table 4-5b. CCSD Low-Income Projected Water Demands

CCSD Low-Income Projected Water Demands (AF)					
Use Type	2020	2025	2030	2035	2040
Single Family	59	59	60	61	61
Multifamily	3	3	3	3	3
Total	**62**	**62**	**63**	**64**	**64**

4.6 Alternative Projected Demand Scenario

Please refer to Section 4.4.

5. SB X7-7 BASELINES AND TARGETS

This section includes information regarding the baselines and targets for CCSD.

5.1 Updating Calculations from 2010 UWMP

The Water Conservation Bill of 2009 (SB X7-7) is one of four policy bills enacted as part of the November 2009 Comprehensive Water Package (Special Session Policy Bills and Bond Summary). The Water Conservation Bill of 2009 provides the regulatory framework to support the statewide reduction in urban per capita water use described in the *20x2020 Water Conservation Plan*. Consistent with SB X7-7, each water supplier must determine and report its existing baseline water consumption and establish future water use targets in gallons per capita per day (GPCD); reporting began with the 2010 UWMP.

SB X7-7 requires water suppliers throughout the state to decrease per capita urban water use by 10% by December 31, 2015 and by 20% by December 31, 2020. The methodology to determine water use baseline and the four methods to determine a future water reduction target are outlined in the SB X7-7 legislation. Urban water suppliers must adopt one of four specific methods for complying with SB X7-7. The four methods consist of the following:

- **Method 1** – This approach requires water suppliers to reduce urban water demands to 80% of the water supplier's baseline per capita daily water use calculated as the average gross water use over a continuous 10-year period ending no earlier than December 31, 2004 and no later than December 31, 2010. Gross water use is defined in SB X7-7 as "the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier" excluding recycled water, long-term storage water, transfers to another water supplier, or water used for agriculture.
- **Method 2** – This method requires that water suppliers determine the per capita water use targets as estimated using 55 gallons per capita per day (GPCD) for indoor purposes, comply with DWR's Model Water Efficient Landscape Ordinance for landscape irrigation, and reach a 10% reduction of baseline commercial, industrial, and institutional water use by 2020.
- **Method 3** – This approach requires water suppliers to meet a daily per capita demand of 95% of the applicable state hydrologic region target, as documented in the state's 20x2020 Water Conservation Plan.
- **Method 4** – This method was finalized by DWR in February 2011. Among other considerations, this method considers climatic differences and population density.

The DWR Handbook outlines four methods for water agencies to consider in developing its per capita water use targets. As part of its 2010 UWMP, the CCSD selected DWR Method 3, which is based on 95 percent of the hydrologic regional goal for the central coast area (117 gpcd). A final check of this goal is also performed to ensure the target meets the legislation's minimum reduction requirement of a five percent reduction when compared to a 5-year baseline average. The first step in this procedure is to develop a 10-year base average, which is shown in Table 5-1. For the CCSD, a 10-year base average of 112.4 gallons per capita per day (gpcd) results for the 10-year period of 1997 through 2006, inclusive. This baseline level of use is already less than the central coast area 95 percent target of 117 gpcd, which must then be compared to a 5-year base period average.

This section discusses the comparison of the results and presents the target defined for CCSD. The results of evaluations of the target reduction methodologies are based on information provided by CCSD on the following:

- Historical water production
- Historical water demand
- Historical connections and population

5.1.1 Update of Target Method

No changes are proposed to the analysis or associated goals developed within the CCSD's 2010 UWMP.

5.1.2 SB X7-7 Verification Form

CCSD is in compliance with SB X7-7 for the established water use target for the year 2015 and is currently on track to achieve the 2020 target as well. Compliance is verified by DWR's review of the SB X7-7 Verification Form, which is found in Appendix E of this 2015 UWMP and summarized in Table 5-1 and Table 5-2 of this section.

5.2 Baseline Periods

Water use GPCD must be calculated and reported for two baseline periods, the 10- or 15-year baseline (Baseline GPCD) and the 5-year baseline (Target Confirmation). Whether an agency uses a 10- or 15-year baseline depends on the percentage of recycled water delivered in the year 2008.

The following describes the approach used by the CCSD in developing its water conservation targets and associated data baselines. The methodology and criteria used followed the approach described within Part II, Section M; of the March 2011 DWR Guidebook. Table 5-1Table 5-1 summarizes the baseline periods that were used in the analysis. Because the CCSD did not deliver recycled water in excess of 10 percent of its 2008 potable water deliveries (10% of 707.61 acre-feet., which would be 70.8 acre-feet), a 10-year base period was applied in determining its initial per capita baseline[7].

The data used by CCSD to make these determinations is presented in Table 5-1:

- Base period data ranges
- Baseline per capita water demand over a 10-year (1997-2006) period
- Base daily water use over a 5-year range (2003-2007)

5.3 Service Area Population

This section defines CCSD's service area population and the population methodology used by CCSD to estimate it.

In developing the 2015 UWMP, CCSD and Maddaus Water Management (MWM) evaluated several data sources available for historical and projected population and opted to use ABAG 2013 population data as they represented the most current population information for the service area. CCSD and MWM further refined the ABAG population data by comparing the ABAG boundary to the CCSD service area boundary. Population numbers were adjusted to ensure that the population data used were consistent with the actual area served. ABAG population data were further evaluated in comparison to other data sources (e.g., 2010 census data) to identify any anomalies, all of which were addressed. Annual baseline population values and source information can be found in Appendix E, SB X7-7 Table 3.

5.4 Gross Water Use

Gross water use is a measure of water that enters the distribution system of the supplier over a 12-month period (either fiscal or calendar year) with certain allowable exclusions. These exclusions are:

- Recycled water delivered within the service area;
- Indirect recycled water;
- Water placed into long term storage (surface or groundwater);

[7] During 2015, the CCSD's Sustainable Water Facility re-injected 69 acre-feet of highly treated brackish water into the San Simeon Creek aquifer near its San Simeon potable wells. The re-injected water comes from a combination of percolated wastewater treatment plant effluent, diluted seawater occurring from a deeper saltwater wedge, and any creek underflow that may be occurring. According to modeled estimates by the project's hydrogeologist, approximately 60% of the re-injected water makes its way to the potable wells, with the remainder entering the subterranean creek channel as underflow or recycling its way back to the extraction well CCSD well 9P7).

- Water conveyed to another urban supplier;
- Water delivered for agricultural use; and
- Process water.

Gross water use must be reported for each year in the baseline periods as well as 2015, the compliance year. During 2015, the CCSD delivered metered, potable water to the Warren Ranch property, which was used for agricultural purposes per the terms of a 2006 water rights settlement agreement between the CCSD and Warren. This agreement includes a provision to provide 20 acre-feet of such water, which is to serve as a buffer area where non-potable water from well 9P2 is to not be used. This water is metered, but not billed for amounts up to 20 AFY. For any amounts over 20 AFY, the CCSD bills Warren at their retail rates. During 2015, the CCSD provided 46.5 acre-feet of metered potable water to the Warren property per the 2006 settlement agreement.

In addition to the agriculture water provided to Warren, the CCSD has process water for certain analytical instrumentation (analyzer at well SS-3), as well as backwash water at its wellhead treatment wells SR-3 and SR-4. These uses are each metered downstream from the production well meters and are not billed. For 2015, these metered process water uses amounted to 2.9 acre-feet.

For 2015, the exclusion water appears in Table 4-1 in the "Other" category. Of the 51 acre-feet listed, 49.4 acre-feet was for agriculture and process water uses. The balance was for other CCSD internal accounts, such as public restrooms and other CCSD buildings.

5.5 Baseline Daily per Capita Water Use

Daily per Capita Water Use is reported in gallons and is referred to as "Gallons per Capita per Day" or "GPCD". The GPCD is calculated for each year in the baseline periods and for the compliance year 2015. The data can be found in Appendix E, SB X7-7 Table 4.

5.6 2015 and 2020 Targets

Table 5-1 provides a summary of the baselines for CCSD for two different baseline periods as well as targets for the years 2015 and 2020.

Table 5-1. Baselines and Targets Summary 2015 Compliance Daily per Capita Water Use (GPCD)

Table 5-1 Baselines and Targets Summary
Retail Agency or Regional Alliance Only

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1997	2006	112	109	105
5 Year	2003	2007	111		

*All values are in Gallons per Capita per Day (GPCD).

Table 5-1 shows the 5-year base gpcd for the CCSD as 110.7 gpcd, which is also less than the central coast target of 117 gpcd. Because the 5-year baseline average is greater than 100 gpcd, the 2009 Water Conservation Act (a.k.a.; 20 × 2020 legislation) require that a 5-percent reduction be applied to the 5-year base average. This final check provision was apparently made part of the 20 × 2020 legislation to ensure that most agencies would be required to conserve, or at least those with greater than 100 gpcd water use. Therefore, even though the CCSD customers already meet the central coast hydrologic reduction target, the UWMP Act still require an additional 5-percent reduction. Table 5-1 summarizes the data

that was used as the basis in developing reduction targets, as well as the CCSD's 2020 goal of 105 gpcd, and an interim 2015 goal of 109 gpcd.

As part of the 2015 UWMP all retail water suppliers are to develop an implementation plan for compliance with the Water Conservation Bill of 2009. The plan described below includes a general description of how CCSD intends to reduce per capita water use to meet its urban water use target.

5.7 2015 Compliance Daily per Capita Water Use (GPCD)

This section describes CCSD's compliance and adjustments to Gross Water Use.

5.7.1 Meeting the 2015 Target

CCSD used SB X7-7 Method 3 and are compliant, as shown in Table 5-2 below.

5.7.2 2015 Adjustments to 2015 Gross Water Use

For 2015, the CCSD developed a gross water use reduction of 49.4 acre-feet per the discussion in Section 5.4.

5.8 Regional Alliance

Table 5-2 lists CCSD's compliance with SB X7-7 requirements. CCSD is not part of a regional alliance in regards to SB X7-7 compliance. However, it is a signatory member agency of the San Luis Obispo County's Integrated Regional Water Management Plan's MOU.

Table 5-2. 2015 Compliances

Table 5-2: 2015 Compliance. *Retail Agency or Regional Alliance Only*

Actual 2015 GPCD*	2015 Interim Target GPCD*	**Optional Adjustments to 2015 GPCD** *From Methodology 8*					2015 GPCD* *(Adjusted if applicable)*	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
63	109	0	0	0	0	63	63	Yes

*All values are in Gallons per Capita per Day (GPCD).

6. SYSTEM SUPPLIES

This section describes CCSD's system supplies, including groundwater, wastewater, recycled water, highly treated brackish water, future water projects, and any climate change impacts.

The CCSD relies upon two local coastal stream aquifers for its source of water. During 2014, the CCSD also completed a Sustainable Water Facility, which uses a mixture of percolated wastewater treatment plant effluent, diluted seawater from a deep saltwater wedge, and creek underflow for its source water. Following treatment by an advanced water treatment plant, the SWF product water is re-injected into the San Simeon Creek aquifer near the CCSD's San Simeon Well Field pumps. To meet indirect potable reuse requirements, the re-injected water travels at least 60 days underground before entering the San Simeon wells. The SWF facility began operation in 2015.

6.1 Purchased or Imported Water

The CCSD does not purchase or import water from outside sources.

6.2 Groundwater

The District's potable water is supplied solely from groundwater wells in the San Simeon and Santa Rosa Creek aquifers (underflow of these streams). The California Department of Water Resources Bulletin No. 118 identifies these two sources as the San Simeon and Santa Rosa groundwater basins, numbers 3-35 and 3-36, respectively. Appendix C contains the Bulletin 118 summary description of each of these aquifers, neither of which is listed as being in overdraft status by the State. The basins are recharged primarily by San Simeon and Santa Rosa Creeks, respectively.

The SWRCB has issued and administered the CCSD's diversion permits for both groundwater basins. In addition, the California Coastal Commission has issued coastal development permits that provide further limits to CCSD water withdrawals. The United States Geological Survey (USGS) conducted a detailed study of the hydrogeology of the two groundwater basins that was later summarized in a 1998 report[8].

Although the report is dated 1998, the water budget table was based on an April 1988 through March 1989 timeframe. Table 6-0 presents an update to the simulated annual water budget developed within the USGS report, which was provided as part of CCSD's 2010 UWMP Update. In developing this table, all inflows and outflows were assumed to remain the same as in the 1998 report except for a 1991 change in operation by the CCSD to its treated wastewater effluent spray field system. In 1991, the CCSD converted a treated wastewater effluent spray field operation into a percolation pond operation. This change decreased losses due to evaporation and increased inflows into the San Simeon Basin by approximately 60 acre-feet.

[8] U.S. Geological Survey. 1998. Report 98-4061; Hydrogeology, Water Quality, Water Budgets, and Simulated Responses to Hydrologic Changes in Santa Rosa and San Simeon Creek Ground-Water Basins, San Luis Obispo County, California

Table 6-0. Annual Water Budget Summary for San Simeon and Santa Rosa Basins

Budget Item	Santa Rosa Basin			San Simeon Basin		
	Inflow	Outflow	Net Flow	Inflow	Outflow	Net Flow
Rainfall Recharge	140	0	140	50	0	50
Creek Seepage	1,120	650	470	950	410	540
Subsurface Inflow and Outflow						
Onshore Boundaries	370	0	370	150	0	150
Ocean Boundary	0	60	-60	0	320	-320
Agricultural Water Use						
Pumpage	0	890	-570	0	450	-280
Irrigation-Return Flow	320	0		170	0	
Nonagricultural Water Use						
Municipal Pumpage	0	250		0	550	
Rural Pumpage	0	10		0	<10	
Wastewater Recharge			-240			-50
Percolation Ponds	0	0		500	0	
Septic Tanks	10	0		<10	0	
Irrigation-Return Flow	10	0		0	0	
Phreatophyte Transpiration	0	160	-160	0	30	-30
Total Net Flow			-50			+60

Notes:
a. All values rounded to the nearest 10 AFY. Positive net flow indicates flow into basin; negative net flow indicates flow out of basin.
b. From 1998 USGS report 98-4061, p.46, modified to show subsequent change from wastewater effluent spray field operation to percolation ponds.

From review of Table 6-0 municipal pumping from the Santa Rosa and San Simeon aquifers was 250 and 550 acre-feet per year, respectively. The total net flows from Table 6-0 show the Santa Rosa aquifer was estimated to be approximately negative 50 acre-feet, while the San Simeon aquifer was estimated to be positive 60 acre-feet. To balance these two values to zero, it was estimated that municipal pumping would be approximately 200 acre-feet from the Santa Rosa aquifer and 610 acre-feet from the San Simeon aquifer. These values are subsequently used as baseline estimates for normal precipitation year supply volumes, which are further described within Section 7. This table does not include any reductions in municipal pumping, which would occur if the CCSD were to adopt one of the conservation plans developed within the DSS model (e.g., Program B, see Figure 4-1, Section 9, and Appendix G for further details). In addition, Table 6-0 does not show recharge from the SWF separately, which is assumed to be included within the wastewater recharge.

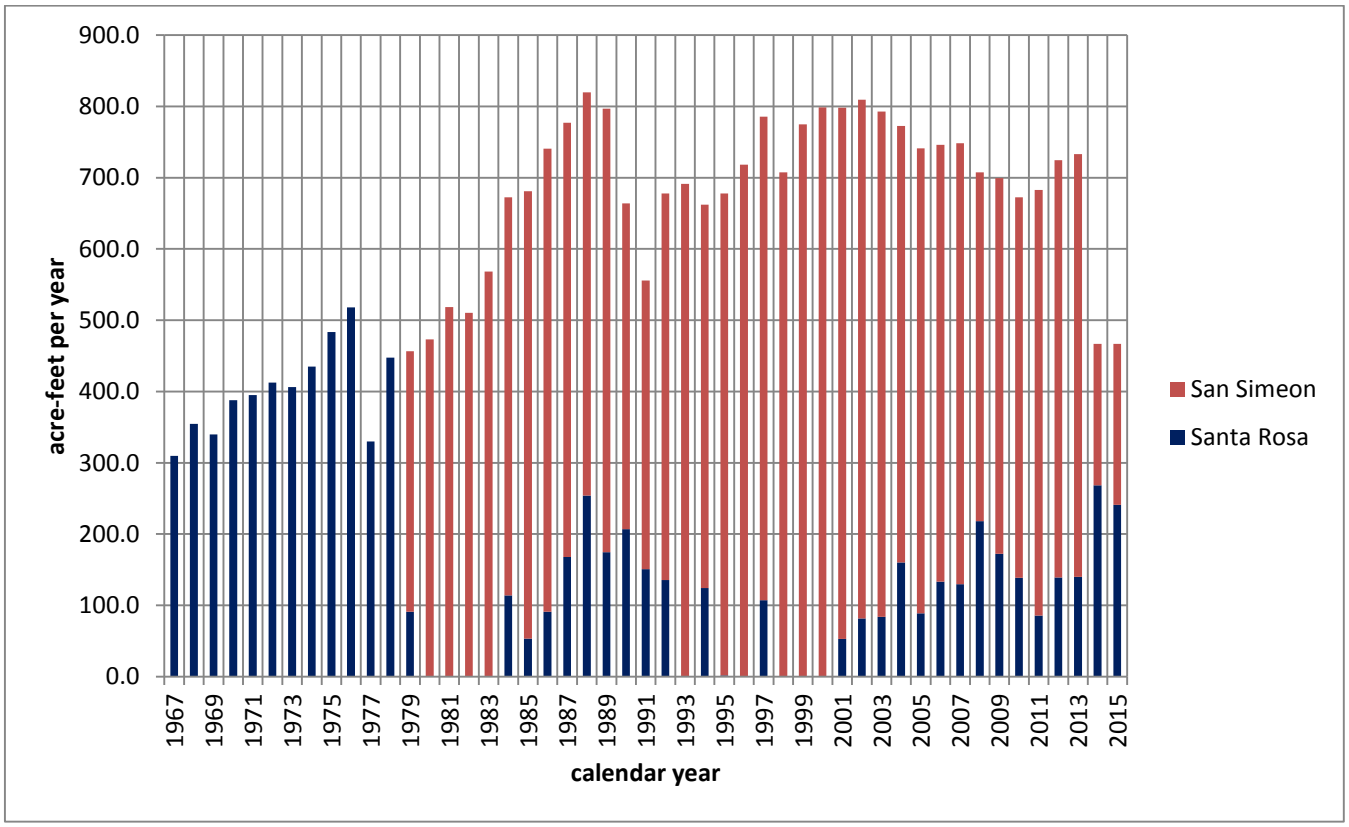
Table 6-1 shows the volume of groundwater pumped by the CCSD's aquifer wells. Production dropped substantially during 2014 and 2015 in response to the community's conservation efforts, which included the CCSD Board's emergency drought declaration on January 30, 2014. The 2014 Stage 3 declaration included a prohibition on using potable water for all outdoor irrigation.

Table 6-1. Groundwater Volume Pumped

Table 6-1 Retail: Groundwater Volume Pumped						
☐	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type	Location or Basin Name	2011	2012	2013	2014	2015
Alluvial Basin	San Simeon Creek Basin	597.16	585.73	593.701	198.17	225.888
Alluvial Basin	Santa Rosa Creek Basin	85.72	139.01	139.91	268.591	241.127
	TOTAL	683	725	734	467	467

Figure 6-1 shows the annual CCSD pumping from each aquifer for the period of 1967 through 2015. The Santa Rosa well field is Cambria's oldest supply source and was relegated to a back-up and augmentation role following start-up of the San Simeon well field in 1979. In 1999 the Santa Rosa well field was shut down after the discovery of an MTBE plume from a nearby gas station. An emergency well SR-4 and associated treatment plant were subsequently installed further upstream from the existing Santa Rosa well field and placed into operation during August of 2001. In response to the 2014 drought emergency, the CCSD separated the Santa Rosa well SR-1 from the potable system, and converted it to non-potable use. This coincided with rebuilding the well head treatment facility and brining well SR-3 back on line during mid-summer of 2014. Additionally, the CCSD completed its Sustainable Water Facility on the lower San Simeon Creek aquifer, which went into operation during January 2015.

Figure 6-1. Groundwater Volume Pumped



6.2.1 Basin Description

In addition to the following summary, the CCSD's November 19, 2015 adopted Groundwater Management Plan (Appendix H) describes groundwater planning for the area's San Simeon Creek groundwater basin and Santa Rosa Creek groundwater basin. Each of these basins are within the north coast area of San Luis Obispo County. Figure 6-2 shows these two basins, which is from an earlier US Geological Survey report (98-4061). Additionally, USGS Report 98-4061 provides a more detailed discussion on the hydrogeology, water quality, and water budgets of these two basins.

Figure 6-2. San Simeon Creek and Santa Rosa Creek Groundwater Basins

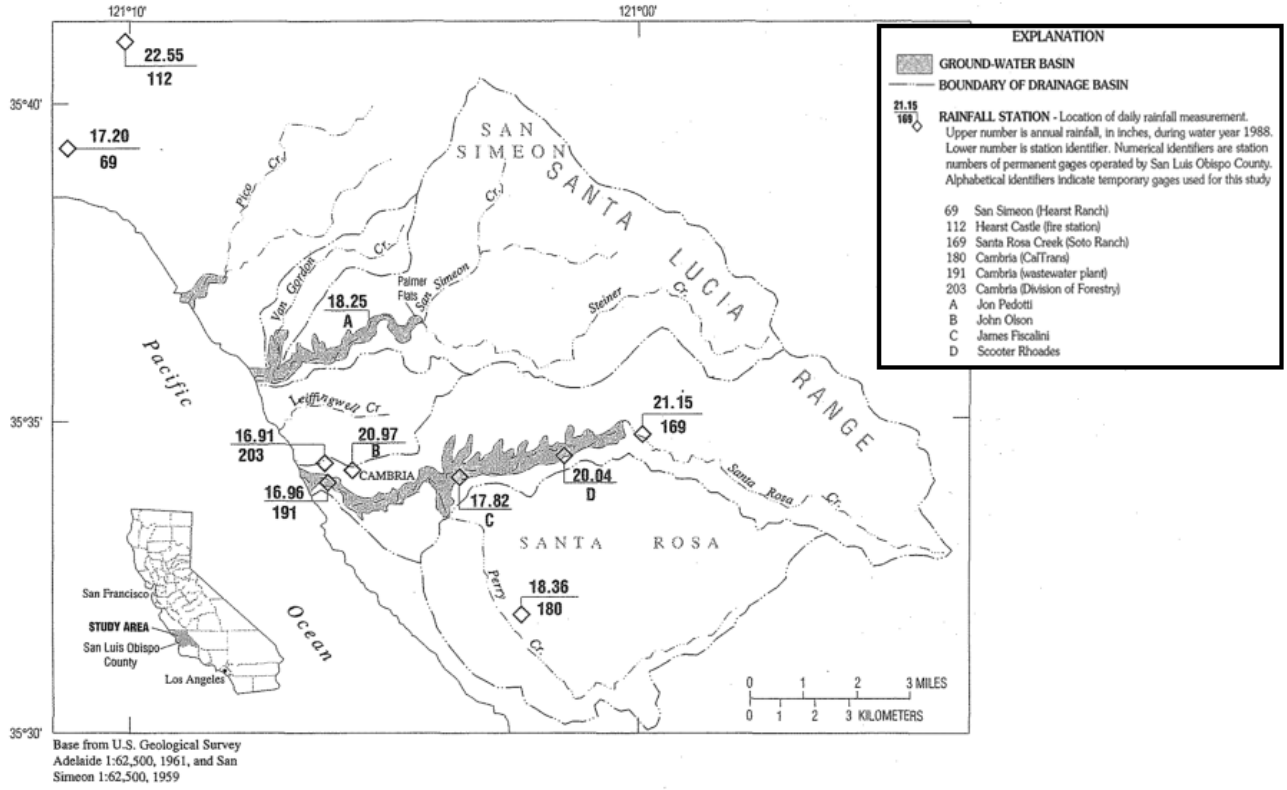


Figure 1. Locations of creeks, drainage-area boundaries, ground-water basins, and rainfall stations in the Cambria area, San Luis Obispo County, California—Continued.

From USGS Report 98-4061, "Hydrogeology, Water Quality, Water Budgets, and Simulated Responses to Hydrologic Changes in Santa Rosa and San Simeon Creek Ground-Water Basin, Yates & Van Konyenberg

6.2.2 Groundwater Management

The CCSD obtains its water from groundwater wells within the lower reaches of the San Simeon Creek and Santa Rosa Creek Groundwater Basins (State Groundwater Basin ID Numbers 3-35 and 3-36, respectively). The San Simeon Creek aquifer wells have been the CCSD's primary water supply since they were installed in 1979. The San Simeon aquifer groundwater is also of better quality than the Santa Rosa aquifer primarily due the San Simeon aquifer having lower hardness and lower iron and manganese concentrations. The Santa Rosa Creek aquifer was the community's sole water source prior to installation of the San Simeon creek aquifer wells, and prior to the CCSD becoming the community's local water purveyor. During the mid-1970s and prior to the operation of the CCSD's San Simeon well field, localized areas along the lower Santa Rosa Creek channel experienced some land subsidence as well as seawater intrusion. The establishment of the San Simeon wells as the primary water source has lessened the municipal demand on the Santa Rosa Creek aquifer, which has helped mitigate and avoid seawater intrusion and subsidence.

The CCSD also provides wastewater collection and treatment, with treated secondary wastewater effluent being pumped approximately 2.5 miles north of town to the CCSD's property located down gradient from its San Simeon Creek aquifer potable wells. During the late 1970s to 1994, treated secondary wastewater effluent was surface applied with sprayers onto the ground surface. This past practice was changed to using four percolation basins, which were completed during

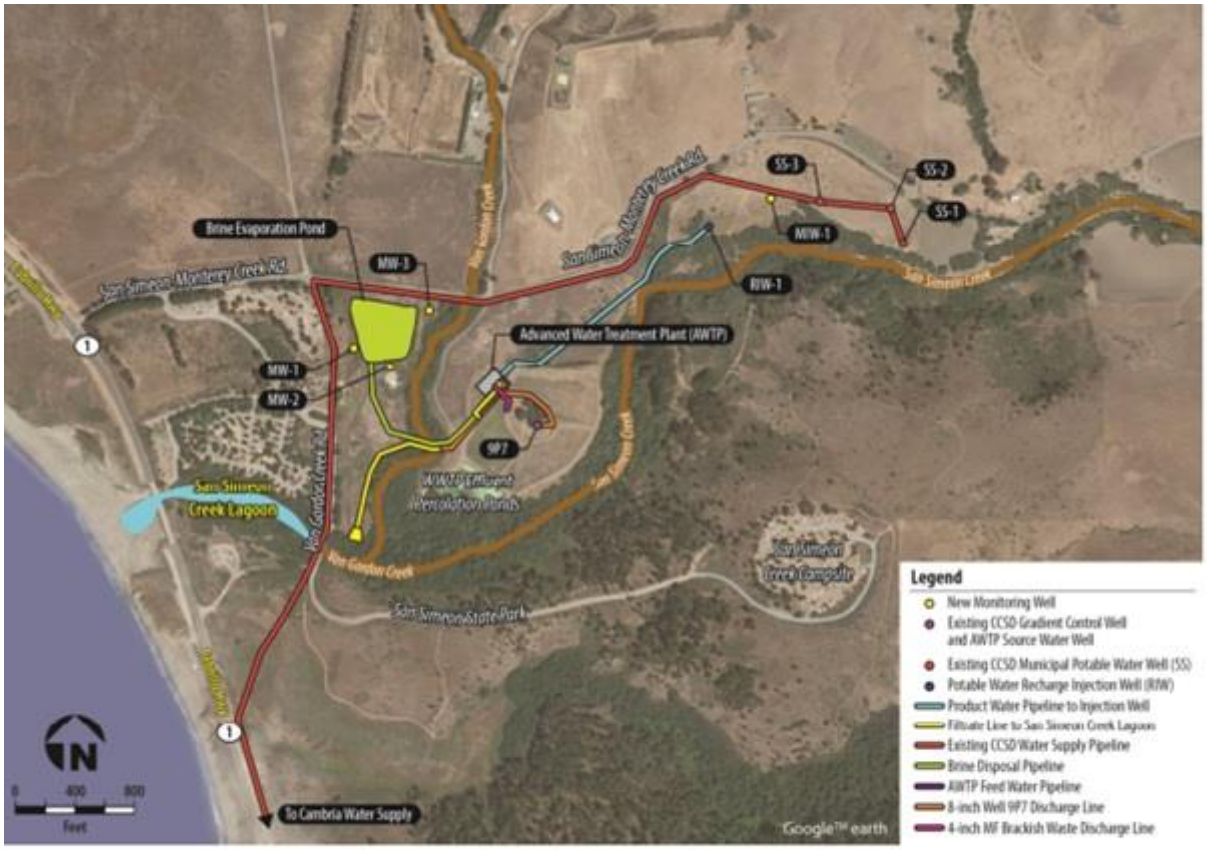
1994. The percolated wastewater effluent in this area forms a groundwater mound, which helps slow freshwater flow towards the ocean while also preventing seawater from intruding inland. The percolation ponds are still used today for wastewater effluent discharge, with only one of the four ponds typically needing to be operated at any given time.

The CCSD originally operated its three *S*anta Rosa wells (aka, Wells SR-1, SR-2, and SR-3) along the lower portion of the Santa Rosa creek aquifer. Flood damage during 1995 resulted in the loss of Well SR-2, leaving the CCSD with Santa Rosa Wells SR-1 and SR-3. During 2000, the CCSD shut down its lower Santa Rosa wells in response to the discovery of an MTBE contamination plume from a nearby gas station. In response, the CCSD completed a new well (Well SR-4) and wellhead treatment facility behind the Coast Union High School athletic fields, which are farther up-gradient from the MTBE plume.

In response to exceptional drought conditions and an emergency water shortage in 2014, the CCSD restored operation of Santa Rosa Well SR-3, converted well SR-1 to a non-potable irrigation supply well, and completed its Sustainable Water Facility project on the CCSD's lower San Simeon Creek property. The restoration of Well SR-3 allowed the CCSD to access deeper aquifer water, which Well SR-4 could not pump. The Well SR-3 efforts included installing a new submersible well pump and rebuilding an iron and manganese removal filter plant, which had been inoperable since 2000. Well SR-1 was separated from the CCSD potable water distribution system and provided with a new submersible pump that discharges into non-potable water storage tanks, which are connected to filling stations located off of Rodeo Grounds Road in Cambria. The Well SR-1 water is used by local residents and landscapers to haul for irrigation.

The Sustainable Water Facility on the CCSD's lower San Simeon Creek property extracts water from an existing well (State Well Number 27S/8E-9P7, aka Well 9P7) at the CCSD's treated wastewater effluent percolation ponds, treats the extracted water using a new advanced water treatment plant, and re-injects the treated water at the CCSD's San Simeon Creek aquifer's potable well field. The emergency water supply project was designed to meet the State's requirements for indirect potable reuse of recycled water. Its source water will vary depending upon the amount and timing of seasonal rainfall, and time of year. Typically, it will be a combination of percolated treated wastewater effluent, fresh groundwater, and dilute saltwater, with the latter coming from a deeper saltwater wedge of seawater. Figure 6-3 provides an overview of the Sustainable Water Facility that was completed on the CCSD's lower San Simeon Creek Road property.

Figure 6-3. Overview of CCSD's San Simeon Creek Sustainable Water Facility



From Cambria Emergency Water Supply Project, Title 27 Report of Waste Discharge, Final, by CDM Smith, October 20, 2014.

6.2.3 Overdraft Conditions

The local groundwater aquifers are not adjudicated and are not in an over-drafted condition per the California Department of Water Resources.

6.2.4 Historical Groundwater Pumping

The local groundwater aquifers are narrow and thin with relatively small storage, which results in late dry season drawdown and relatively rapid recharge after adequate seasonal rainfall occurs. During the beginning of the dry season, well levels drop gradually. Towards the later summer months and early fall months, the amount of storage per foot of drawdown decreases, which accelerates the rate of groundwater decline.

Besides the physical characteristics of the aquifers, there are key permitting conditions that effect how the CCSD may operate its well fields. A primary concern on the San Simeon Creek aquifer is the hydraulic gradient between the percolated mound of treated wastewater at its percolation ponds and the up-gradient potable wells. During the late dry season, and to avoid a negative gradient, which would allow percolated secondary wastewater effluent to flow towards the potable wells, the CCSD would use a gradient control well (Well 9P7). The gradient control well would pump mounded groundwater from below the percolation ponds into the Van Gordon Creek, which would lower the groundwater table. Although effective at controlling the hydraulic gradient, this practice would essentially waste water as it is pumped into the creek and was lost to the ocean. It would also lower the groundwater elevation at the San Simeon Creek production wells, which reduced remaining freshwater storage during the late dry season. The 2014-constructed Sustainable Water Facility project addresses these inefficiencies by capturing and restoring the water extracted from the percolation pond

area to reuse it while maximizing groundwater elevation and storage at the up-gradient potable well field. To ensure protection of riparian habitat during its operation, the emergency water supply project includes a discharge of approximately 100 gallons per minute to the head of the San Simeon Creek lagoon to maintain surface water levels. This protective feature is further backed up and the process refined by an adaptive management plan, with biological monitoring to ensure favorable conditions are being maintained.

Environmental protection is also a key operating concern associated with the Santa Rosa Creek aquifer wells. To address this concern, a key permit condition requires maintaining a minimum groundwater elevation of 3 feet above mean sea level at a monitoring well located southwest from the intersection of Santa Rosa Creek and the Windsor Boulevard Bridge (Monitoring Well WBE). During dry years, this monitoring well may approach the 3-foot minimum elevation during August to September. It was also found that operation of the nearby Shamel Park irrigation well and tides impact this monitoring well. When the 3-foot elevation condition occurs, the CCSD stops use of its Santa Rosa Creek aquifer wells (Wells SR-1, SR-3, and SR-4), and shifts all of its production to its San Simeon Creek wells.

The CCSD is also subject to meeting the state's surface water treatment rule (SWTR) due to its groundwater sources being under the influence of surface water. To meet these requirements, the CCSD does not operate its San Simeon Well SS-1 whenever surface flow within the San Simeon Creek occurs within 150 feet of the well. San Simeon Wells SS-2 and SS-3 are outside the SWTR's 150-foot boundary and can continue to operate when there is flow in the creek. The Santa Rosa wells SR-3 and SR-4 have well head treatment facilities, which allow them to operate while within the SWTR's 150-foot limit.

Table 6-1 (see above Section 6.2) provides a further breakdown on the volumes pumped by each source for the years 2011 through 2015. Table 6-9 provides projected groundwater pumping in five year increments from 2020 through 2040. To err on the conservative side, and in conjunction with the DSS modeling conducted and the aforementioned figure demand forecasting, it is assumed that the CCSD may complete licensing of its existing SWRCB permits based on the historical maximum pumped from each of its aquifers under these permits. This amounts to 1,017 acre-feet per year (rounded from 1,016.74), based upon 217.92 AFY from the CCSD's Santa Rosa Creek aquifer wells (from 2008 production); and, 798.82 AFY from the CCSD's San Simeon Creek aquifer wells (based on calendar year 2000 production). Therefore, 1,017 acre-feet is used in the Table 6-9 projections as the total right in each of the 5-year projections.

6.3 Surface Water

The CCSD does not withdraw water from streams, lakes, and reservoirs as part of its water supply.

6.4 Stormwater

The CCSD does not regulate storm water within its services area, as that responsibility rests with San Luis Obispo County and the Regional Water Quality Control Board. However, the CCSD is a signatory member agency of the County's Integrated Regional Water Management Planning Memorandum of Understanding. This relationship allows for the potential development of future projects that could conceivably integrate storm water projects with improvements towards water supply.

6.5 Wastewater and Recycled Water

The CCSD does not have an ocean outfall, but rather discharges all of its treated wastewater treatment plant effluent into percolation basins located along the lower reach of the San Simeon Creek aquifer. Essentially, all of the CCSD's percolated wastewater is used for creating a seawater intrusion barrier and as a source of water for the CCSD's Sustainable Water

Facility (designed to meet indirect potable reuse requirements). In addition, an earlier 2004 recycled water master plan[9] developed a recycled water distribution system backbone for future use of treated wastewater effluent for outdoor, non-potable irrigation.

Municipal recycled water is municipal wastewater that has been treated to a specified quality to enable it to be used again for a beneficial purpose. The term "recycled water" is defined in the California Water Code (CWC) more broadly than "municipal recycled water." For purposes of the UWMPs, "recycled water" means only municipal recycled water, that is, water that has been treated and discharged from a municipal wastewater facility.

There are two requirements treated municipal wastewater must meet to be classified as recycled water. It must be reused:

- Beneficially, in a manner consistent with Title 22; and
- In accordance with a Regional Water Quality Control Board (RWQCB) permit such as National Pollutant Discharge Elimination System (NPDES), waste discharge requirement (WDR), or water recycling requirement (WRR).

6.5.1 Recycled Water Coordination

The CCSD owns and operates a one-million gallons per day (average dry weather flow) capacity wastewater treatment plant (WWTP), which is located southwesterly from the intersection of Santa Rosa Creek and Windsor Boulevard in Cambria. The WWTP provides secondary level treatment using an extended aeration, activated sludge process. Treated effluent from the WWTP is pumped approximately 2.5 miles north to percolation ponds near the base of the San Simeon Creek aquifer. The CCSD's treated wastewater effluent percolation ponds are approximately one-third of a mile downstream from the CCSD's San Simeon Creek aquifer potable well field. The percolated wastewater effluent serves as a barrier to slow the seaward migration of subterranean freshwater, while also preventing saltwater intrusion towards the up-gradient San Simeon Creek aquifer wells. Treated effluent is subject to meeting conditions required by the Regional Water Quality Control Board (RWQCB) waste discharge requirements order 01-100.

CCSD Water Master planning[10] included the future completion of a recycled water distribution system, which estimated approximately 50 acre-feet of existing potable water demands that could be replaced by recycled water for irrigation purposes. This earlier 2004 report further identified another 50-acre-feet in future recycled-water irrigation demands that would need further environmental analyses to determine whether such future irrigation demands could be diverted away from the effluent percolation ponds. A full copy of CCSD's 2004 Recycled Water Master Plan is included as Appendix I.

Since completion of its earlier 2004 Recycled Water Master Plan, and in response to the area's drought, the CCSD completed a Sustainable Water Facility in 2014. The SWF uses percolated wastewater effluent within its brackish source water, which is provided from a well located within the CCSD's percolation pond area (Well 9P7). This brackish water is highly treated before being re-injected near the CCSD's San Simeon Creek aquifer wells. The SWF project was designed and constructed to meet the State's Title 22 requirements for indirect potable reuse of recycled water, and first went into production during 2015.

The SWF has a variable production capacity, which is dependent upon how long the facility is operated each during the day and how many days it operates each year. To maintain a minimum 60-day underground travel time, the SWF is currently permitted to allow re-injection and pumping by the CCSD San Simeon potable wells at 400 gallons per minute (gpm), which would be about 1.8 acre-feet per day if operated 24 hours per day. During 2015, the SWF produced 69 acre-feet of product water that was re-injected into the San Simeon Creek aquifer near the production wells. Based on hydro-geological modeling, the SWF project hydrogeologist has estimated that approximately 60-percent of the re-injected

[9] Kennedy/Jenks Consultants. *Final Report Task 3: Recycled Water Distribution System Master Plan*, July 2004.
[10] Final Report Task 3: Recycled Water Distribution System Master Plan, July 2004, Kennedy/Jenks Consultants.

water will enter the CCSD potable wells, with the remaining 40-percent either entering the subterranean creek channel as underflow, or as subterranean recycle flow back to the extraction well. Thus, for 2015, it was estimated that 60 percent of the 69 acre-feet re-injected as product water resulted in 41 acre-feet entering the CCSD production wells.

The CCSD is still gaining experience with the SWF, so its projected period of use is approximated within this UWMP Update. It is assumed that in normal years, the SWF would be operated primarily during the late dry season to most efficiently control the hydraulic gradient between the percolation ponds and the up-gradient potable wells. This assumption used 8 hours per day operation for 12 weeks, or approximately 35 acre-feet annual production with a net amount of 21 acre-feet entering the CCSD potable wells. In a more severe, multiple-year drought condition, the facility was assumed to have a maximum output of 1.8 acre-feet per day based on a 24-hour per day operation. For an average dry season duration of 184 days, this would result in 325 acre-feet being produced and re-injected with a net of 195 acre-feet entering the CCSD San Simeon Creek production wells. This output range is summarized within Table 6-7, which follows in this Section.

In conformance with recommendations made within the March 2011 DWR Guidebook, Table 6-2 has been provided as a summary of the CCSD wastewater collected and treated by the CCSD. Future years include estimates for recycled water that would be treated to meet Title 22 requirements for non-potable irrigation. Similarly, Table 6-3 has been provided to further detail the methods of disposal for treated wastewater effluent.

6.5.2 Wastewater Collection, Treatment, and Disposal

Wastewater Collected Within Service Area

The CCSD is responsible for collecting and treating wastewater within its urban services boundary, as well as through a contract with State Parks for the Hearst San Simeon Creek campground. This core function of the CCSD maintains approximately 59 miles of sanitary sewers and force mains, 10 lift stations, a wastewater treatment plant, a 2.5-mile long effluent discharge pipeline, and four effluent percolation ponds. The CCSD's wastewater treatment plant provides a secondary level of treatment using an activated sludge process. In recent years, plant operators have modified the secondary process to simulate a modified Ludzak-Ettinger process to further reduce nitrate concentration in the effluent. The operator-installed modifications will be followed with more permanent updates in the future.

Table 6-2 lists the volume of wastewater collected within the service area.

Table 6-2. Wastewater Collected Within Service Area in 2015

Table 6-2 Retail: Wastewater Collected Within Service Area in 2015						
☐	There is no wastewater collection system. The supplier will not complete the table below.					
	Percentage of 2015 service area covered by wastewater collection system *(optional)*					
	Percentage of 2015 service area population covered by wastewater collection system *(optional)*					
Wastewater Collection			**Recipient of Collected Wastewater**			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated?	Volume of Wastewater Collected from UWMP Service Area 2015 (AFY)	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area?	Is WWTP Operation Contracted to a Third Party? *(optional)*
Cambria Community Services District	Metered	420	Cambria Community Services District Wastewater Treatment Plant	Cambria Community Services District Wastewater Treatment Plant	Yes	No
Total Wastewater Collected from Service Area in 2015:		420				
NOTES: The volume of wastewater collected from the service area is from the metered effluent reported in the CCSD's 2015 WWTP annual self-monitoring report to the Water Board. Besides indoor metered water use, this value also includes any infiltration and inflow into the collection system.						

Wastewater Treatment and Discharge Within Service Area

Table 6-3 identifies the volume of treated wastewater either recycled or disposed of within the service area.

Table 6-3. Wastewater Treatment and Discharge Within Service Area in 2015

Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015										
☐	No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.									
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (*optional*)	Method of Disposal	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level	2015 volumes			
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
Cambria Community Services District Wastewater Treatment Plant	Percolation ponds	CCSD Property south of San Simeon Creek Rd.	3 400 102001	Percolation ponds	No	Secondary, Undisinfected	420	0	420	0
						Total	420	0	420	0
NOTES: The volume of wastewater collected from the service area is from the sum of metered monthly effluent values, which are provided in the CCSD's 2015 Annual WWTP self-monitoring report to the Water Board. Besides indoor metered water use, this value also includes any infiltration and inflow into the collection system. With regard to treatment level, CCSD operations staff have modified its secondary wastewater plant to simulate a modified Ludzak-Ettinger process to reduce nitrate concentration in its effluent.										

6.5.3 Recycled Water System

The following summarizes the CCSD's recycled water system, which includes a 2004 recycled water distribution system master plan.

6.5.4 Recycled Water Beneficial Uses

This section details CCSD's recycled water beneficial uses.

Current and Planned Uses of Recycled Water

Table 6-4 provides a summary of potential recycled water use by user categories suggested within the March 2016 DWR Guidebook. Essentially, the CCSD installed percolation ponds for its treated wastewater effluent during 1994, which serves as a seawater barrier between the ocean and up-gradient San Simeon Creek potable wells. A 2004 recycled water master plan commissioned by the CCSD developed a backbone distribution system, which was laid out to be reasonably close to the most significant outdoor irrigation customers. These included a planned community park on the east Fiscalini Ranch property, an existing commercial nursery, as well as the middle and elementary schools. During 2014, the CCSD completed a Sustainable Water Facility project, which includes indirect potable reuse of the percolated wastewater effluent. Section 6.5 provides additional details on the SWF operation.

Table 6-4. Current and Projected Recycled Water Direct Beneficial Uses Within Service Area

Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area									
☐	Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.								
Name of Agency Producing (Treating) the Recycled Water:		Cambria Community Services District							
Name of Agency Operating the Recycled Water Distribution System:		Cambria Community Services District Wastewater Treatment Plant							
Supplemental Water Added in 2015		0							
Source of 2015 Supplemental Water		N/A							
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment	2015	2020	2025	2030	2035	2040 (opt)
Landscape irrigation (excludes golf courses)	Year 2020 includes the conversion of existing potable water irrigation customers to non-potable recycled water. 2025-2040 represents future non-potable irrigation demands.	Tertiary	0	0	50	100	100	100
Seawater intrusion barrier	Use of existing percolation pond operation	Secondary, Disinfected - 23	420	598	556	516	533	531
Groundwater recharge (IPR)*	Included with seawater barrier							
		Total:	420	598	606	616	633	631
**IPR - Indirect Potable Reuse*								

NOTES: For 2015, the volume of wastewater collected from the service are (420 AFY) is from metered effluent data, which was reported to the Water Board within the CCSD's annual self-monitoring report. Besides indoor metered water use, this 2015 value also includes any infiltration and inflow into the collection system. For subsequent years, the volume of wastewater collected from the service area is conservatively low, and was estimated based upon a 1998 USGS Report 98-4061 finding, which had developed an interior potable water use for Cambria at approximately 80% of total water production. All wastewater collected is used as a seawater intrusion barrier; for the CCSD's Sustainable Water Facility (an indirect potable reuse project constructed during 2014); or, as landscape irrigation. During 2015, the CCSD's Sustainable Water Facility (SWF) produced a total of 69 AFY, which was reinjected back into the San Simeon Creek aquifer at the CCSD's potable well field. An additional 7 AFY was also treated by the SWF during 2015, which discharged into the upper San Simeon Creek lagoon as surface water to further enhance and protect the lagoon habitat. Beginning in year 2020, approximately 50 acre-feet per year of no-net-increase in diversion from aquifer recycled water use is anticipated by converting existing CCSD customers from potable, groundwater-source-based use to non-potable outdoor irrigation using recycled water. For 2025, 2030, 2035, and 2040 an additional 50 acre-feet of outdoor irrigation with recycled water is estimated for future project demands. Landscape irrigation feasibility is based on an earlier 2004 Recycled Water Master Plan, and will be driven by available funding and potential downstream habitat concerns. Because of potential downstream habitat concerns, the 2004 recycled water master plan bifurcated recycled water demands between the conversion of existing groundwater-based customer uses (50 acre-feet estimated starting in 2020); and, potential future project demands (an additional 50 acre-feet in recycled water use during 2025,2030, and 2035.)

Planned vs. Actual Use of Recycled Water

In accordance with methodology recommended within the March 2016 DWR Guidebook, Table 6-5 compares recycled water use from the 2010 UWMP estimate with actual 2015 use. This shows that the treated wastewater percolated into the groundwater basin at the lower reach of the San Simeon Creek aquifer continues to be the most significant use. The volume of wastewater effluent decreased substantially after potable water conservation measures were adopted in January of 2014 in response to the drought and water shortage emergency. Other reduction measures included the State Parks campground closing its restrooms and showers by replacing them with porta-potties.

Table 6-5. 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual		
☐	Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type	**2010 Projection for 2015 (AF)**	**2015 Actual Use (AF)**
Seawater intrusion barrier	643	420
Groundwater recharge (IPR)	Included with seawater barrier	Included with seawater barrier
Total	643	420
NOTES: The difference in the 2010 projection for year 2015 and actual 2015 recycled water use is due to the significant reduction in water use in the service area due to the state mandated drought, related restrictions, recession, conservation efforts and building moratorium. ALL available treated wastewater (estimated to be 80% of total production) is used as part of the seawater intrusion barrier system.		

6.5.5 Actions to Encourage and Optimize Future Recycled Water Use

Table 6-6 summarizes potential methods to encourage future recycled water use. The actions listed provide a summary of potential measures to consider as a means to encourage future end use of recycled water. In addition to the distributed recycled water system planned in 2004, the CCSD is also considering point of use recycled (POUR) water systems for future homes. Such POUR systems might include treatment of grey water for use in toilet flushing. The DSS Model described in Appendix G, includes POUR for future connections within recommended conservation program (Program B). To date, none of these actions have been adopted as policy. Regardless, they are memorialized here for future reference and discussion.

Table 6-6. Methods to Expand Future Recycled Water Use

Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
☐	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
Section 6.5.5	Provide page location of narrative in UWMP		
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
Add additional rows as needed			
Mandatory use ordinance/project conditions of approval	None of these actions have been adopted as policy. Regardless, they are memorialized here for future reference and discussion.	2025	50
Mandatory use ordinance/project conditions of approval	None of these actions have been adopted as policy. Regardless, they are memorialized here for future reference and discussion.	2030	50
Rate discount for end user			
Low interest loan program for on-site conversions			
Outside grant funding			
Water conservation retrofit program			
Point of use recycled water systems		2017	0
CCSD capital improvement program funded projects			
		Total	100

NOTES: The blanks shown in this table may be construed as being “unknown,” or “to be determined (TBD)." The point of use recycled system would be proposed for new home construction to maximize water use efficiency, as opposed to producing system-wide recycled water. The estimated start date of 2017 for point of use recycle is subject to eliminating the current CCSD moratorium for new water connections within the CCSD service area. Such point of use systems would include the treatment of grey water for reuse in flushing of toilets.

6.6 Desalinated Water Opportunities

The CCSD has a project cooperation agreement in place with the Army Corps of Engineers to complete a water supply project, which was authorized under Section 219 of the Federal Water Resources Development Act (WRDA). This effort lost momentum following the federal ban on earmarking of project funds. Regardless, the Corps did complete a study identifying various long term water supply alternatives during 2013. This study found the treatment of brackish water off of San Simeon Creek Road to be the most technically feasible alternative. The Sustainable Water Facility built in 2014 was substantially reduced in scope and simplified when compared to the brackish water alternative described by the 2013 Army Corps study. To date of this UWMP, federal funding and subsequent environmental analyses remain to be completed to rekindle the earlier Army Corps efforts. This would likely require the Army Corps to redefine its project by incorporating the SWF. Possible use of federal funds could conceivably be used to fund an RO reject water disposal pipeline, solar arrays, and a subterranean cut off wall downstream from the reinjection well (to increase the percentage of re-injected water that would make its way to the potable wells).

6.7 Exchanges or Transfers

This section details information regarding CCSD's transfers and/or exchanges.

6.7.1 Exchanges

The CCSD does not have any existing water transfer agreements in place with other agencies. A major factor is the remote location of Cambria in comparison to the State Water Project aquifer and Nacimiento reservoir pipeline, which are along routes located further inland and east of the Santa Lucia mountain range from Cambria. However, earlier water master planning had investigated the potential for a water transfer agreement with certain member agencies of the Whale Rock Commission, which use the Whale Rock Reservoir located approximately 13 miles south of Cambria near Cayucos. The Whale Rock Reservoir exchange alternative would involve the CCSD reaching an agreement with certain Whale Rock Commission member agencies that have entitlements to Nacimiento Reservoir water in exchange for the use of an equivalent allocation from the Whale Rock reservoir[11].

6.7.2 Transfers

A water transfer can be a temporary or permanent sale of water or a water right by the water right holder, a lease of the right to use water from the water right holder, or a sale or lease of a contractual right to water supply. Water transfers can also take the form of long-term contracts for the purpose of improving long-term supply reliability. The potential exists for the formation of voluntary exchange agreements with local agricultural interests. Such agreements may include fallowing certain irrigated areas during drought periods in exchange for compensation resulting from the loss of income-producing crops. Currently, the CCSD has no exchange agreements in place.

6.7.3 Emergency Interties

Emergency interties are addressed in Chapter 7, Water Supply Reliability.

6.8 Future Water Projects

Past CCSD water master planning recommended a three-pronged approach towards achieving a long-term reliable water supply, which consists of water conservation, recycled water for non-potable irrigation, and seawater desalination. This

[11] The Whale Rock Commission member agencies consist of the City of San Luis Obispo, California Men's Colony, and California Polytechnic State University.

supply approach, along with distribution system improvements for improving fire flow and fire storage, were incorporated into a Water Master Plan Program Environmental Impact Report (WMP PEIR), which was certified by the CCSD on August 21, 2008. The California Environmental Protection Act (CEQA) allows tiering from such program EIRs to further address project-specific environmental concerns. Therefore, subsequent supply projects may incorporate the earlier the WMP PEIR while addressing project-specific environmental concerns within project-specific environmental clearances.

Table 6-7. Expected Future Water Supply Projects or Programs

Table 6-7 Retail: Expected Future Water Supply Projects or Programs						
☐	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
☐	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
39-45	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type	Expected Increase in Water Supply to Agency
Recycled Water	No			2025	All Year Types	50-100
Sustainable Water Facility (SWF)	No		Indirect Potable Reuse	2015	All Year Types	21-195
NOTES: An estimated 35 acre-feet of SWF production is estimated to occur during a normal year, which is based on approximately twelve, 5-day working weeks per year of operation during a normal 40 hours per week staffing period. Should the IPR system operate continuously over a 184-day dry season, its total production would be 325 AFY. Of this re-injected volume, approximately 60% may be pumped by potable wells SS-1 and SS-2 into the distribution system for consumption. The balance would flow into the creek channel as underflow or recycled back to the SWF extraction well.						

6.9 Summary of Existing and Planned Sources of Water

Tables 6-8 and 6-9 summarize the CCSD potable water supplies from 2015 through 2040, which includes existing groundwater supplies; planned potable water augmentation projects to improve potable supply reliability during dry periods and droughts; and, the planned future use of recycled water for non-potable irrigation. The totals shown here are not intended to reflect the proposed demand, as the supplies may exceed demand to meet reliability needs.

Table 6-8 lists the actual volume of purchased or imported water for the CCSD service area.

Table 6-8. Water Supplies – Actual

Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
Drop down list *May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool*		Actual Volume (AFY)	Water Quality	Total Right or Safe Yield (AFY)
Groundwater	San Simeon Creek Basin and Santa Rosa Creek Basin	467	Raw Water	1,017
Other	Sustainable Water Facility (see note)		Recycled Water	
	Total	467		1,017

NOTES: California Coastal Commission Coastal Development Permit 428-10 limits the annual diversion from both basins to 1,230 AFY. Should the CCSD complete licensing of its existing SWRCB diversion permits, the allowable diversions would be limited to 217.92 AFY from the CCSD's Santa Rosa Creek aquifer wells (based on calendar year 2008 pumpage); and, 798.82 AFY from the CCSD's San Simeon Creek aquifer wells (based on calendar year 2000 pumpage). These amounts total 1,016.74 AFY (rounded to 1,017 AFY in table 6-8), and may be exclusive of riparian water use. During 2015, 69 acre-feet of product water was re-injected into the San Simeon Creek aquifer by the CCSD's Sustainable Water Facility (SWF). Based on modeling estimates by the SWF's geo-hydrologist, approximately 60% of the re-injected water would enter the District's San Simeon Creek aquifer potable water wells, which equates to a net amount of 41 acre-feet. This 41 acre-feet volume is within the 467 acre-feet groundwater total shown in the above table. Also included within the 467 acre-feet groundwater total during 2015 was approximately 45 acre-feet of riparian-use agriculture water provided to the Warren Ranch property. This agriculture water use was metered from a potable water service connection downstream from the San Simeon aquifer production well meters, and is being provided as part of 2006 water rights settlement agreement between the CCSD and Warren.

Table 6-9 lists the projected volume of water supplies for the CCSD service area.

Table 6-9. Water Supplies – Projected

Table 6-9 Retail: Water Supplies — Projected											
Water Supply	Additional Detail on Water Supply	Projected Water Supply (AFY) *Report To the Extent Practicable*									
		2020		**2025**		**2030**		**2035**		**2040** *(opt)*	
		Reasonably Available Volume	Total Right or Safe Yield *(optional)*	Reasonably Available Volume	Total Right or Safe Yield *(optional)*	Reasonably Available Volume	Total Right or Safe Yield *(optional)*	Reasonably Available Volume	Total Right or Safe Yield *(optional)*	Reasonably Available Volume	Total Right or Safe Yield *(optional)*
Ground-water	San Simeon Creek Basin and Santa Rosa Creek Basin	747	1,017	757	1,017	770	1,017	791	1,017	789	1,017
Recycled Water	Seawater intrusion barrier	598		556		516		533		531	
Recycled Water	Landscape irrigation (excludes golf courses)	0		50		100		100		100	
Total		1,345	1,017	1,363	1,017	1,386	1,017	1,424	1,017	1,420	1,017

NOTES: California Coastal Commission Coastal Development Permit 428-10 limits the annual diversion from both groundwater basins to 1,230 AFY. Should the CCSD complete licensing of its existing SWRCB diversion permits, the allowable diversions would be limited to 217.92 AFY from the CCSD's Santa Rosa Creek aquifer wells (based on calendar year 2008 pumpage); and 798.82 AFY from the CCSD's San Simeon Creek aquifer wells (based on calendar year 2000 pumpage). These amounts total 1,016.74 AFY (rounded to 1,017 AFY in table 6-9.) The volume of wastewater collection from the service area is estimated from 1998 USGS Report 98-4061, (which had developed an interior potable water use for Cambria at approximately 80% of total water production). These values may be conservatively low due to their not including any infiltration or inflow into the collection system. All wastewater collected is used as a seawater intrusion barrier, for indirect potable reuse (via the CCSD's Sustainable Water Facility), or for landscape irrigation. Beginning in year 2025, approximately 50 AFY of no-net-increase in diversion from aquifer recycled water use is anticipated by converting existing CCSD customers from potable, groundwater-source-based use to non-potable outdoor irrigation using recycled water. For 2030, 2035, and 2040 an additional 50 acre-feet of outdoor irrigation with recycled water is estimated for future project demands.

6.10 Climate Change Impacts to Supply

Section 3.3 presents a brief summary of climate change impacts of CCSD service area.

7. WATER SUPPLY RELIABILITY ASSESSMENT

The water supply for Cambria is vulnerable to drought because of the limited amount of groundwater storage capacity in the Santa Rosa and San Simeon basins. Storage is small relative to average annual groundwater pumping, and storage is consequently incapable of sustaining current pumping rates through one or more years of substantially decreased recharge. The 2014 drought underscored this vulnerability when projected supplies were less than demands, which led to drought emergency declaration by the CCSD Board. The 2014 emergency declaration led to swift action by the CCSD, which included mandatory conservation measures, restoration of the CCSD's lower Santa Rosa Well SR3 and its iron and manganese removal treatment filter, as well as completion of a Sustainable Water Facility on the lower San Simeon Creek aquifer that used brackish water extracted from an existed well located at the CCSD's effluent percolation ponds. With this background in mind, the following sections describe the CCSD's water supply reliability and drought planning, groundwater supply reliability, and related drought analyses and actions.

7.1 Constraints on Water Sources

The CCSD has historically relied upon its two local coastal stream groundwater aquifers for its water supply. The relatively small storage in these aquifers make them dependent upon seasonal rains to recharge. When such rainfall arrives late or in low amounts, the aquifers dip in elevation to where the threat of seawater intrusion, subsidence, and a reversal in hydraulic gradient between percolated wastewater and potable wells become key concerns. This was the case in 2013-2014 when weather patterns steered the storm track away from and around the central coast.

As with many areas throughout the state, Cambria's water is a limited and shared resource between municipal, agricultural, and environmental needs. The area's two creeks have been inhabited by listed species, such as the south-central coast steelhead, tidewater goby, southwestern pond turtle, and red-legged frog. Therefore, compliance with the Endangered Species Act is a key driver in decision making related to use of the coastal streams as a water resource. Off-shore concerns include the area being in common with the southern extent of the federal, Monterey Bay National Marine Sanctuary, as well as State Marine Parks. Agricultural operations along the two coastal valleys include cattle ranching, truck crops, avocado orchards, and vineyards. Municipal water needs include providing service to visitor-serving uses such as hotels, motels, campgrounds, as well as residential needs.

The community's isolated location along the coast has made it difficult to connect to distant supply aquifers, such as the state coastal aquifer and Nacimiento Reservoir transmission pipelines. For many years the CCSD pursued seawater desalination as a means to diversify and secure a more reliable supply source. However, the regulatory climate, environmental sensitivity of the area, and growth inducement concerns associated with seawater desalination have proven to be a formidable deterrent toward completing a seawater desalination project. When hard pressed during the 2014 drought emergency, the CCSD resorted to using a brackish water well at its wastewater effluent percolation ponds. This resulted in the completion of its Sustainable Water Facility (SWF), which met indirect potable reuse regulations for recycled water that allowed re-injecting the highly treated brackish water back into the San Simeon Creek aquifer near the CCSD's potable well field. In addition to the SWF, the CCSD also restored a well along the lower reach of Santa Rosa Creek (Well SR3), which allowed access to deeper groundwater in this portion of the aquifer.

7.2 Reliability by Type of Year

Scenarios for analysis of supply reliability are based on deliveries in historic water years characterized as "normal" or "average" water years, and "single dry" water years and combinations of these into "multiple dry water years." See Sections 7.2.1 below for description of these types of years and the reliability during them.

7.2.1 Types of Years

Recharge into the CCSD's local groundwater aquifers is dominated by net stream percolation. In most years, the availability of stream flow far exceeds the amount required to replenish the aquifer storage depleted during the previous dry season (both streams are intermittent and cease flowing for a number of months in summer and fall). Wet years provide no added

storage reserve because once the basins are full; any additional stream recharge is rejected. As a result, the amount of groundwater in storage at the beginning of the dry season is essentially the same over a broad range of hydrologic year types ranging from slightly dry to wet.

Droughts in the two stream-aquifer systems are very threshold dependent. For progressively smaller amounts of annual rainfall and stream flow, the annual amount of available groundwater remains about the same until the point at which winter stream flow is inadequate to fully replenish the basins. Statistical analysis of San Luis Obispo rainfall and local stream discharge was combined with groundwater modeling to determine that incomplete recharge occurs when annual rainfall is less than 10.31-10.95 inches, as shown in Table 7-0a, and the average recurrence interval of rainfall less than amount is approximately 18-25 years (Yates and Van Konynenburg, 1998). For even smaller amounts of annual rainfall, water supply conditions worsen up to the point at which there is no stream flow (and no recharge) at all. Beyond that point, further decreases in rainfall do not make water supply conditions any worse. Zero stream flow occurs with 9.78-9.85 inches of annual rainfall (slightly different for the two basins), corresponding to an average recurrence interval of 31-32 years.

Table 7-0a. Recurrence Intervals of Low Annual Rainfall and Discharges

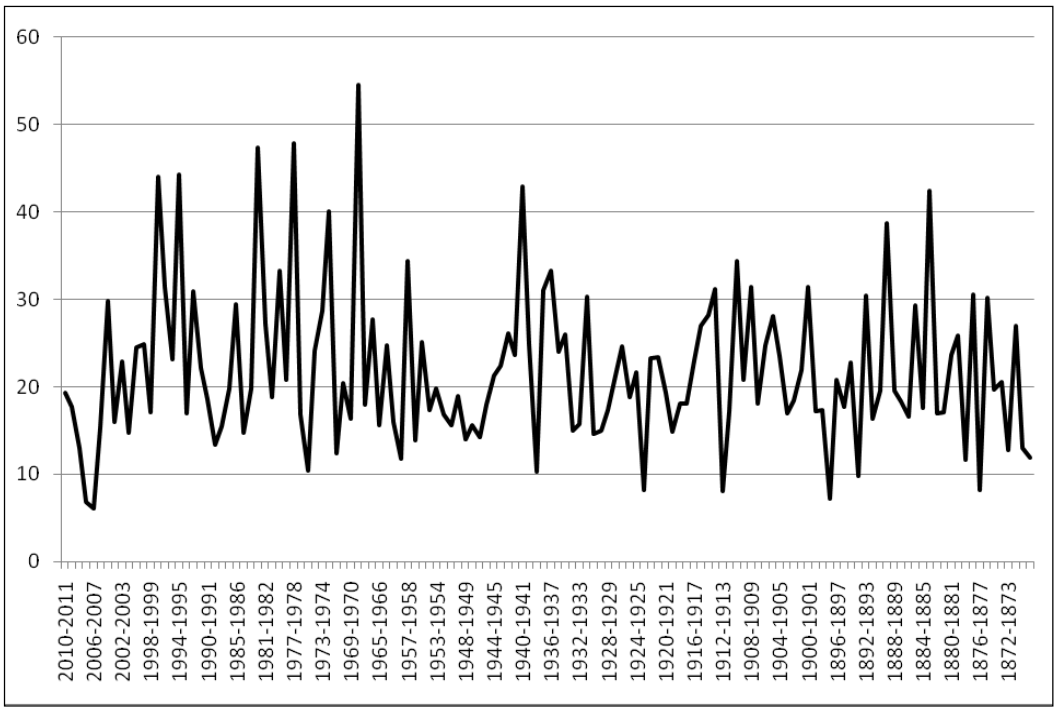
Item	Recurrence Interval (years)	Annual rainfall at San Luis Obispo (inches)	Annual discharge at upstream gauging station (acre-feet)	
			Santa Rosa Creek	San Simeon Creek
Minimum amount likely to occur once in				
100 years	100	8.20	0	0
50 years	50	9.15	0	0
20 years	20	10.80	580	1,040
10 years	10	12.41	1,490	2,810
Zero discharge in				
Santa Rosa Creek	32	9.78	0	0
San Simeon Creek	31	9.85	40	0
Minimum discharge for complete basin recharge in				
Santa Rosa basin	18	10.95	660	1,200
San Simeon basin	25	10.31	300	500
Minimum recorded stream discharge				
Santa Rosa (1977)	26	10.21	240	n/a
San Simeon (1976)	25	10.29	n/a	480

Notes:
1. Source: 1998 USGS Report 98-4061
2. n/a = not applicable

The most extensive rainfall history for the area is from the Cal Poly weather station, which has records dating from the 1872-1873 water year to the present. This weather station is also within proximity of the rainfall isohyetal precipitation contour line that crosses Cambria, which indicates a reasonable correlation would be expected between the two locations. Figure 7-1 provides a plot of the Cal Poly annual rainfall totals, while Figure 7-2 provides a map showing the isohyetal precipitation contours for San Luis Obispo County. From Figure 7-2, the amount of rainfall increases substantially within the San Simeon and Santa Rosa watersheds with increasing elevation. This is due to the Santa Lucia mountain range being east of Cambria, and the predominantly inland, west to east direction of storm paths off the Pacific (Because storm clouds hold less moisture as they increase in elevation, precipitation totals will typically increase with rising elevations along the area's western facing mountain slopes.) To further check the correlation of rainfall totals for the two areas, Figure 5-3 was developed using the more limited historical record from the Cambria CDF weather station and overlaying that data with the Cal Poly station data. This showed there actually were some significant differences for the four-year multiple dry period of July 1, 2005 through June 30, 2009, which occurred at the Cal Poly station, versus the more local CDF fire station,

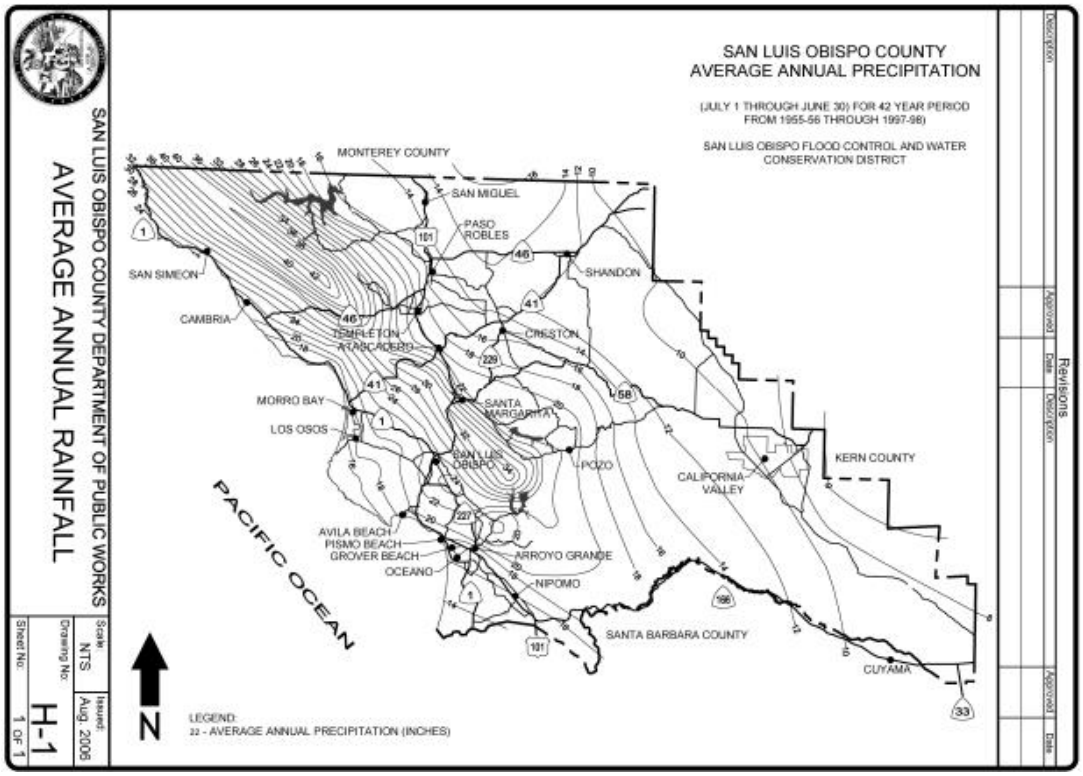
which had a minimum four-year low occurring from July 1, 1989 to June 30, 1993. Because it was more local to Cambria, and also within the more recent historical record for both locations; the Cambria CDF data was used for the multiple dry-year basis.

Figure 7-1. Rainfall Totals from Cal Poly Station



Source: Cal Poly Weather Station

Figure 7-2. San Luis Obispo County Average Annual Precipitation



Source: Cal Poly Weather Station

From review of the Cal Poly rainfall data, the 1953-1954 water-year was chosen as being a normal water year. The 19.77 inch total for 1953-1954 was closest to the Cal Poly historic median of 19.73 inches. The single dry year chosen was from 1897-1898, which totaled 7.2 inches, and was not associated with adjacent dry years either before or after this year. The multiple dry year period varied between the local Cambria CDF precipitation records and the Cal Poly weather station data during a relatively recent period when records were available from each location.

Figure 7-3 shows the variation in data records between the more local Cambria CDF weather station and the Cal Poly station data. Because of the data being more local to Cambria, the Cambria CDF data was used to determine the multiple three and four year dry periods as being between July 1, 1989 through June 30, 1993, which is used in subsequent analyses.

Figure 7-3. Rainfall Totals for Cambria CDF and Cal Poly Weather Stations, 1979-2010

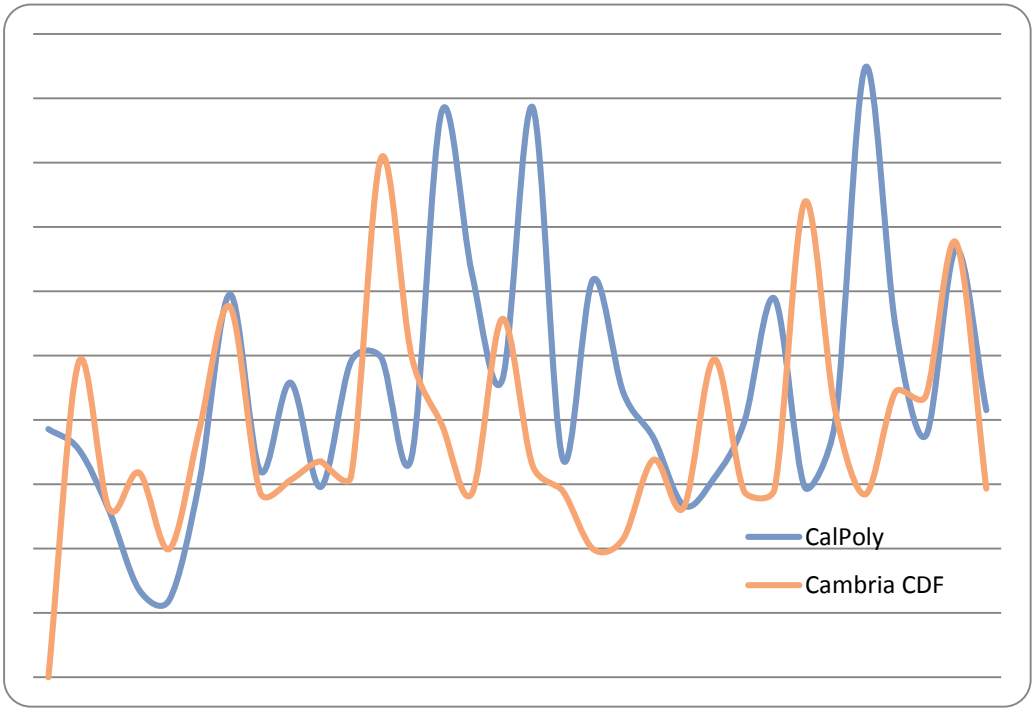


Table 7-0b summarizes the water year basis, while also integrating in the associated rainfall and creek discharges that would be estimated using the rainfall-discharge relationships developed as part of the earlier 1998 USGS study.

Table 7-0b. Basis of Water Year Data

Water Year Type	Base Years and corresponding rainfall total and creek discharge							
Normal Water Year(1)	1953-1954							
	Annual precipitation: 19.77 inches							
	Estimated annual creek discharge, acre-feet							
	San Simeon (SS) 10,916				Santa Rosa (SR) 5,674			
Single Dry Water Year(1)	1897-1898							
	Annual precipitation: 7.2 inches							
	Estimated annual creek discharge, acre-feet							
	San Simeon 0				Santa Rosa 0			
Multiple-Dry Water Years(2)	1989-1990		1990-1991		1991-1992		1992-1993	
Annual Precipitation:	13.21”		16.91”		10.78”		9.98”	
	Estimated annual creek discharge, acre-feet							
	SS 3,694	SR 1,948	SS 7,768	SR 4,050	SS 1,018	SR 568	SS 140	SR 114

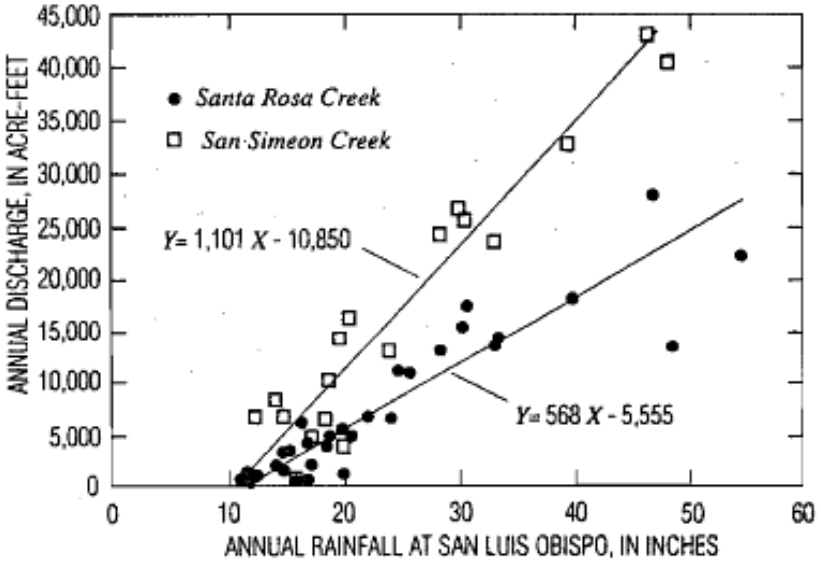
(1) From Cal Poly weather station data
(2) From Cambria CDF weather station data

Notes:
a. Estimated annual creek discharges are from formulas shown on Figure 5-5.
b. Format based on March 2011 DWR Guidebook Table 27 with additional information added on estimated rainfall totals and associated annual creek discharges.

The severity of drought to be used for the “single dry year” analysis in Urban Water Management Plans is specified by the California Department of Water Resources (2011) as the year of least recorded stream flow since 1903. This corresponds to a drought event with an average recurrence interval of approximately 100 years. For San Simeon and Santa Rosa Creeks, that would clearly be a year of zero stream recharge. Based on the correlations with San Luis Obispo rainfall, two such years have occurred since 1903: one in 1913 and one in 1924. An additional two occurred in 1877 and 1898.

To confirm whether creek flows were occurring relative to the annual rainfall amounts, the following Figure 5-4 was used from the 1998 USGS study, which had developed the mathematical relationships shown between annual rainfall and annual discharge in each creek. This confirmed that the amounts of rainfall in 1913, 1914, or 1898 would have resulted in no creek discharge from either the San Simeon or Santa Rosa Creeks, and would not have recharged the aquifers. Under such a scenario, and short of any other alternative supply source, water stored within the aquifers from the prior rain year would likely be relied upon in meeting demands. In analyzing the multiple dry year period, the aquifers would likely recharge each year, with the fourth dry year having close to zero discharge from each creek.

Figure 7-4. Annual Discharge and Precipitation Plots for San Simeon Creek and Santa Rosa Creek from 1998 USGS Report



The hydrologic consequences of a year with zero stream recharge were simulated by the U.S. Geological Survey (USGS) using groundwater flow models of the two creek basins (Yates and Van Konynenburg, 1998). Groundwater levels did not recover at all during the winter without stream flow, because rainfall recharge was also zero under those circumstances. Municipal and agricultural pumping were assumed to continue as usual during the second dry season, and groundwater levels continued to decline. In both basins, declines in water levels and storage during the second dry season were greatest near the upper ends of the valleys because groundwater is continually draining down-valley, with or without municipal pumping. During the second dry season, groundwater levels declined an additional 20 feet near the upstream end of the valley, an additional 15 feet near the municipal well field (to 13 feet below sea level) and an additional 6 feet near the State Park campground (to 3 feet below sea level).

The two groundwater basins differ with respect to the three major impacts of excessive water-level declines: seawater intrusion, subsidence and depletion of base flow and the coastal lagoons. Simulation results indicated that there would be seawater intrusion in the San Simeon basin, but not the Santa Rosa basin. During the year prior to the winter without recharge, there was 320 AFY of groundwater outflow to the ocean. During the subsequent year, this reversed to become 48 AFY of seawater intrusion. Although seawater intrusion during the second dry season amounted to only 9% of municipal pumping in the San Simeon basin, pumping would have to be decreased by more than 9% to eliminate intrusion. This is because other head-dependent terms in the water balance—specifically, storage and phreatophyte ET—also respond to changes in pumping. Additional simulations were not completed to estimate the pumping reduction needed to eliminate seawater intrusion. However, assuming the shift from groundwater outflow during the first year to seawater intrusion the second year was proportional to pumping, then pumping would need to be reduced by approximately 13% to eliminate intrusion.

Subsidence would probably occur in the Santa Rosa basin during the dry season following a winter without recharge, but the risk is probably smaller in the San Simeon basin. Subsidence occurred in the Santa Rosa basin during the 1976-1977 drought, when groundwater levels in Cambria dropped to 14-20 feet below sea level

(Cleveland, 1980). If a basin contains compressible sediments, subsidence typically occurs when groundwater levels fall substantially below their historical minimum levels, and simulated groundwater levels in Cambria were 25 feet below sea level by the end of the second dry season. Dry-season water-level declines are approximately proportional to the total amount of dry-season pumping. This suggests that minimum water levels in Cambria during the second dry season would have remained higher than 14 feet below sea level if pumping had been reduced from 238 to 170 AF. This latter amount of pumping represents a 15% decrease from average-year CCSD production in the Santa Rosa basin (Table 4-4).

7.2.2 Agencies with Multiple Sources of Water

A basis for the water year data for CCSD's water sources is presented in Tables 7-1a, 7-1b and 7-1c. Base years were selected by identifying the year of each Water Year Type based on the discussion in Section 7.2.1, For purposes of completing the analyses associated with these tables, the aquifer water balance values described in Section 6 and related Table 6-0 were used to assign 610 AFY to the San Simeon aquifer production and 200 AFY to the Santa Rosa aquifer production during an average year. These values error on the conservative side, as they do not consider savings developed within the DSS Model, which is provided in Appendix G, and summarized in Section 4.4 (See Figure 4-1), nor any recharge to the San Simeon aquifer from operation of the Sustainable Water Facility (see Table 7-1d).

Table 7-1a. Basis of San Simeon Creek Basin Groundwater Water Year Data

Table 7-1a Retail: Basis of Water Year Data			
Year Type	**Base Year** *If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000*	**Available Supplies if Year Type Repeats**	
		☐	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		☑	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	**% of Average Supply**
Average Year	1953-1954	610	100%
Single-Dry Year	1897-1898	519	85%
Multiple-Dry Years 1st Year	1989	610	100%
Multiple-Dry Years 2nd Year	1990	610	100%
Multiple-Dry Years 3rd Year	1991	519	85%
NOTES: **San Simeon Creek Basin Groundwater.** It was estimated that groundwater production was reduced by 15% during a single-dry year period and years 3 and 4 of the multiple dry-year period.			

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Table 7-1b. Basis of Santa Rosa Creek Basin Groundwater Water Year Data

Table 7-1b Retail: Basis of Water Year Data			
Year Type	**Base Year** *If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000*	**Available Supplies if Year Type Repeats**	
		☐	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		☑	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	**% of Average Supply**
Average Year	1953-1954	200	100%
Single-Dry Year	1897-1898	170	85%
Multiple-Dry Years 1st Year	1989	200	100%
Multiple-Dry Years 2nd Year	1990	200	100%
Multiple-Dry Years 3rd Year	1991	170	85%
NOTES: **Santa Rosa Creek Basin Groundwater.** It was estimated that groundwater production was reduced by 15% during a single-dry year period and year 3 of the multiple dry-year period.			

Table 7-1c. Basis of Recycled Water Supplies for Landscape Irrigation Water Year Data

Table 7-1c Retail: Basis of Water Year Data			
Year Type	**Base Year** *If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000*	**Available Supplies if Year Type Repeats**	
		☐	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		☑	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	**% of Average Supply**
Average Year	2025	50	100%
Single-Dry Year	2025	50	100%
Multiple-Dry Years 1st Year	2025	50	100%
Multiple-Dry Years 2nd Year	2030	50	100%
Multiple-Dry Years 3rd Year	2025	50	100%
NOTES: **Recycled water supplies – landscape irrigation.** Recycled water supplies for landscape irrigation will NOT be available till year 2025 (50 AF) and 2030 (100 AFY). They are predicted to be 100% reliable.			

Table 7-1d. Basis of Sustainable Water Facility Water Year Data

Table 7-1d Retail: Basis of Water Year Data			
Year Type	**Base Year** *If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000*	**Available Supplies if Year Type Repeats**	
		☐	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		☑	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	**% of Average Supply**
Average Year		21	100%
Single-Dry Year		195	390%
Multiple-Dry Years 1st Year		195	390%
Multiple-Dry Years 2nd Year		195	390%
Multiple-Dry Years 3rd Year		195	390%
NOTES: **Sustainable Water Facility (indirect potable reuse).** The values shown are estimated net amounts entering the San Simeon Creek aquifer potable wells, which is approximately 60% of the re-injected product water from the SWF. The remaining 40% enters the subterranean creek channel as underflow, and/or as recycle back to the SWF brackish water extraction well.			

7.3 Supply and Demand Assessment

This section describes the supply and demand projections for normal, single dry, and multiple dry water years. The supply totals are from Section 6, Table 6-9, which includes production from the CCSD potable wells, treated wastewater effluent which, is used for seawater and includes water that may be used by the SWF facility, as well as future recycled water that may be used for outdoor irrigation. The demand totals conservatively assumed the current drought-reduced production will increase to pre-drought levels, while also using the DSS Model's projection with minimal conservation efforts (i.e., no pro-active conservation program by the CCSD and relying only upon water efficiency improvements from plumbing code updates). Demands totals include CCSD customer demands plus all of the treated wastewater effluent, which is discharged into the CCSD's percolated ponds (and used for a seawater intrusion barrier and by the SWF. The supply totals include the groundwater and recycled water amounts shown in Tables 7-1a, 7-1b, and 7-1c, and conservatively assumes an estimated 80 percent of the water supplied by the CCSD would result in the amount of treated wastewater effluent being discharged into the percolation basins. This 80 percent value is based on an estimate of indoor water use that came from the earlier 1998 USGS study. This approach is conservatively low in estimating the supply of wastewater effluent that may be available because it does not include any infiltration and inflow that could enter the collection system throughout the year. To avoid double counting, the SWF is considered to be included within the supply shown for recycled water (intrusion barrier) in Table 6-9.

Table 7-2. Normal Year Supply and Demand Comparison

Table 7-2 Retail: Normal Year Supply and Demand Comparison (AFY)					
	2020	2025	2030	2035	2040
Supply totals (*autofill from Table 6-9)*	1,345	1,363	1,386	1,424	1,420
Demand totals *(autofill from Table 4-3)*	1,345	1,363	1,386	1,424	1,420
Difference	0	0	0	0	0
Notes: See note in Table 6-9 for further explanation.					

Single Dry Water Years

Comparison of the projected single-dry-year water supply to the projected single-dry-year water use over the next 20 years, in 5-year increments is shown in Table 7-3 below. The demand totals assume there would be no reduction in customer demands during a single dry year condition.

Table 7-3. Single Dry Year Supply and Demand Comparison

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison (AFY)					
	2020	2025	2030	2035	2040
Supply totals	1,765	1,829	1,897	1,928	1,925
Demand totals	1,345	1,363	1,386	1,424	1,420
Difference	420	466	512	504	505
NOTES: **Supplies** equal single-dry year groundwater basin supplies as reported in Table 7-1 plus recycled water landscape irrigation supplies as reported in Table 6-9 (and 100% reliable as reported in Table 7-1) PLUS projected wastewater supplies used for the saline barrier that are estimated to be 80% of projected demand. **Demand** is based on Table 4-3 values and conservatively assumes NO reduction in a single-dry year.					

Multiple Dry Water Years

Comparison of the projected multiple dry year water supplies to the projected multiple dry year water use over the next 20 years, in 5-year increments is shown in Table 7-4 below. The supply totals are based upon the values shown in Tables 7-1a, 7-1b, and 7-1c. During the third year of a multiple year drought, it was assumed that there would be a 15% reduction in groundwater supply production due to conservation efforts.

Table 7-4. Multiple Dry Years Supply and Demand Comparison

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison (AFY)						
		2020	2025	2030	2035	2040
First year	Supply totals	1,856	1,870	1,888	1,919	1,916
	Demand totals	1,345	1,363	1,386	1,424	1,420
	Difference	511	507	503	495	496
Second year	Supply totals	1,458	1,458	1,458	1,458	1,458
	Demand totals	1,345	1,363	1,386	1,424	1,420
	Difference	113	95	72	34	38
Third year	Supply totals	1,240	1,240	1,240	1,240	1,240
	Demand totals	1,143	1,159	1,178	1,210	1,207
	Difference	97	82	63	30	34
NOTES: Demand is reduced 15% in the Third year in response to a multi-year drought.						

Based on projected water supply and demands over the next 25 years, the CCSD has supply capabilities that would be sufficient to meet expected demands through 2040 under single-dry-year and multiple-dry year conditions. This reliability will be further established when CCSD completes the already-in-progress regular coastal development permitting process for its recently completed Sustainable Water Facility. Additionally, the conservation measures modeled in the DSS Model forecast (see Section 4.4 and Appendix G) will further enhance reliability by providing an additional reduction in future demands beyond those that were used in this section's conservative analysis. For example, conservation Programs B and C reduce future demands to approximately 700 AFY versus the 791 AFY maximum carried forward from Table 4-3.

7.4 Regional Supply Reliability

The CCSD is not part of a regional water supply system and does not receive State or Federal project water. It is not a water wholesaler, nor does it receive water from a water wholesaler. See Section 7.3 for additional discussion on reliability.

8. WATER SHORTAGE CONTINGENCY PLANNING

The CCSD has adopted several ordinances that established its water shortage contingency planning, which have since been incorporated into the District's Municipal Code. These include the following criteria:

- Mandatory prohibitions against water waste at all times.
- Water shortage stages with associated actions to be taken, consumption limitations, and overall conservation goals for each stage.
- Penalties for excessive water use during declared water shortages

8.1 Stages of Action

CCSD Municipal Code Chapter 4.08 entitled "Waste of Water," prohibits water waste at all times, regardless of whether there may a particular water conservation stage in place. This approach was originally adopted by the CCSD Board during 2000 as Ordinance 4-2000, which has since been codified within the CCSD Municipal Code.

CCSD Municipal Code Chapter 4.12 entitled "Emergency Water Conservation Program," establishes a three-stage conservation program, which is summarized in Table 8-1. A Stage 1 drought declaration sets a "drought watch" condition and allocates three units (three hundred cubic feet) per person per month as a maximum for its residential customers. Commercial customers are limited to the lower of five units per month per equivalent dwelling unit of capacity that is established by the CCSD for each customer, or the average use over the 12 months preceding the Stage 1 declaration. The purpose of the Stage 1 condition is to reduce demand by about 7 percent. A Stage 2 declaration sets a "water shortage condition" and places financial surcharges into effect for those exceeding their base use and also allows for shutting of service in some circumstances. The purpose of the stage 2 conditions is to reduce overall demand by 15%.

The Stage 3, "drought emergency" condition lowers the maximum allowable use to two-units (two hundred cubic feet) per resident per month. Commercial customers are limited to the lower of three units per equivalent dwelling unit established by the CCSD for each customer, or the average use over the 12-month period preceding the Stage 3 declaration. Stage 3 also prohibits any outdoor irrigation watering with potable water and includes surcharges and fines for overuse. The trigger points for each stage is determined from a hydrologic model developed as part of the December 8, 2000 Baseline Water Supply Analysis by Kennedy Jenks Engineers. The model predicts available supply based on an October Southern Oscillation Index (SOI) value, estimated dry season duration, existing plus estimated demands for the coming dry season, and aquifer well level.

Table 8-1. Stages of WSCP

Table 8-1 Retail: Stages of Water Shortage Contingency Plan		
Stage	Complete Both	
	Percent Supply Reduction[1] *Numerical value as a percent*	Water Supply Condition (*Narrative description*)
1	7%	Drought Watch - voluntary Residential Use ≤ 3 units/person/month Comm. Use ≤ 5 units/EDU/month
2	15%	Water Shortage - mandatory Residential Use ≤ 3 units/person/month Comm. Use ≤ 5 units/EDU/month Surcharges applied for exceeding limits
3	50%	Emergency Condition - Mandatory Residential Use ≤ 2 units/person/month Comm. Use ≤ 3 units/EDU/month Surcharges applied for exceeding limits
NOTES: CCSD's three stages of water conservation. Further described within CCSD Municipal Code Chapter 4.12 (see Appendix J).		

8.2 Prohibitions on End Uses

Table 8-2 summarizes the mandatory prohibitions associated each with drought rationing stage. It should be noted that the CCSD's prohibition on water waste is in place at all times, regardless of whether a drought stage has been declared. Therefore, the phrasing "At all times" is used to indicate this is required regardless of a particular stage. Section 4.08.050 of the CCSD municipal code allows for increasing levels of fines for any waste of water, which could also lead to shutting off service.

Table 8-2. Restrictions and Prohibitions on End Uses

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses			
Stage	Restrictions and Prohibitions on End Users	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement?
At all times, including Stages 1, 2, & 3	Landscape - Restrict or prohibit runoff from landscape irrigation	Watering of landscaping, which allows excess water runoff [CCSD Municipal Code 4.08.030 (1)]	Yes
At all times, including Stages 1, 2, & 3	Other - Prohibit use of potable water for washing hard surfaces	Washing of sidewalks, driveways, and other hard-surfaced areas by direct hosing. [CCSD Municipal Code 4.08.030 (2)]	Yes
At all times, including Stages 1, 2, & 3	CII - Restaurants may only serve water upon request	Serving of water to customers by any eating establishment except when specifically requested [CCSD Municipal Code 4.08.030 (5)]	Yes
At all times, including Stages 1, 2, & 3	Other - Require automatic shut of hoses	Washing vehicles by use of an unrestrained hose. [CCSD Municipal Code 4.08.030 (7)]	Yes
At all times, including Stages 1, 2, & 3	Other - Prohibit use of potable water for construction and dust control	Use of potable water from the district's water supply system for compacting or dust control purposes. [CCSD Municipal Code 4.08.030 (8)]	Yes
At all times, including Stages 1, 2, & 3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	[CCSD Municipal Code 4.08.030 (4)]	Yes
Stage 3	Landscape - Prohibit all landscape irrigation	Irrigation of gardens and landscaping with potable water [CCSD Municipal Code 4.12C (2)]	Yes
Stage 3	Other	Use of potable water for fire drills [CCSD Municipal Code 4.12C (1)]	No
At all times, including Stages 1, 2, & 3	Landscape - Limit landscape irrigation to specific times	[CCSD Municipal Code 4.08.030 2.b]	Yes
Stages 2 & 3	Water Features - Restrict water use for decorative water features, such as fountains	[CCSD Municipal Code Chapter 4.12CA.1]	Yes

NOTES: Stage 2 penalty includes – 500% surcharge applies to all use beyond the customer's maximum based on the following:
Residential Use ≤ 3 units/person/month
Comm. Use ≤ 5 units/EDU/month
Any subsequent use excesses subject to a 1,000% surcharge.
Stage 3 penalty includes – 500% surcharge applies to all use beyond the customer's maximum based on the following:
Residential Use ≤ 2 units/person/month
Comm. Use ≤ 3 units/EDU/month
Any subsequent use excesses subject to a 1,000% surcharge.
The CCSD Board may further refine the above subject restrictions and prohibitions.

8.3 Penalties, Charges, Other Enforcement of Prohibitions

Besides prohibitions and reduction goals, the CCSD has a steeply tiered water rate structure, which is further accelerated by drought surcharges. Table 8-2 summarizes the CCSD drought surcharges. The CCSD also has enforcement capabilities (CCSD Municipal Code Sections 4.08.040 through 4.08.070, 4.12B.3.E, and 4.12C [F]), which include fines as well as shutting off a customer's water service.

8.4 Consumption Reduction Methods

Table 8-3 further summarizes the CCSD's water shortage contingency reduction methods as suggested within the March 2016 DWR guidebook.

Table 8-3. Stages of WSCP – Consumption Reduction Methods

Table 8-3 Retail Only: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods		
Stage	Consumption Reduction Methods by Water Supplier	Additional Explanation or Reference *(optional)*
1	Expand Public Information Campaign	Voluntary drought watch conservation efforts
All times	Offer Water Use Surveys	
All times	Provide Rebates on Plumbing Fixtures and Devices	Subject to available funding, which is established as part of annual budget.
All times	Moratorium or Net Zero Demand Increase on New Connections	CCSD has a demand offset points bank in place that requires no-net increase in demand from any new water connection within its service area.
2 & 3	Implement or Modify Drought Rate Structure or Surcharge	Surcharges for Excess Use [CCSD Municipal Code 4.12B3.E.1 and 4.12C4.F.1]
2 & 3	Implement or Modify Drought Rate Structure or Surcharge	Mandatory Reductions in Use [CCSD Municipal Code Chapters 4.12B and 4.12C]
2 &3	Increase Frequency of Meter Reading	Monthly versus bi-monthly meter reading [CCSD Municipal Code 4.12B3.C and 4.12C4.D]

8.5 Determining Water Shortage Reductions

The CCSD uses a supply and demand model to help guide the determination on whether a Stage 1, 2, or 3 condition is necessary. This model is described further within Appendix J, section 4-12D of the CCSD Municipal Code.

8.6 Revenue and Expenditure Impacts

Revenue reductions from water conservation pose a significant challenge to the CCSD. To a certain extent, lost revenues for the reduced sale of water can be offset by surcharges. To offset potential lost revenues from future droughts, the CCSD will continue with its efforts to establish a reserve water fund. Other adaptive measures could include delaying capital improvement expenditures as well as developing an internal loan from the CCSD General Fund.

8.7 Resolution or Ordinance

Drought ordinances have been codified into the CCSD Municipal Code, which is further described in Sections 8.1 and 8.2.

8.8 Catastrophic Supply Interruption

The CCSD service area has overhead power and communications lines, which co-exist with a heavily forested area of Monterey Pines. This has resulted in a history of power and communication outages during storm events, which often results from trees falling onto overhead lines. Therefore, the CCSD relies upon emergency generators to operate its water system during such major power outages. In addition, the CCSD is in the process of completing a Supervisory Control and Data Acquisition (SCADA) upgrade, which will allow for the use of radio communications as opposed to overhead phone lines.

Other catastrophic events, such as earthquakes, can coincide with structural damage, pipeline failures, fires, as well as power and communications interruptions. An emergency response command and control center has been established at the CCSD fire station, which is structurally designed to withstand earthquake events, has an emergency power supply, and includes a SCADA control center for water system operations. Emergency response planning by the CCSD includes action plans for various emergency scenarios. The overall emergency response framework is based on the State of California's Standardized Emergency Management System (SEMS). More recently, the CCSD has begun the process of developing a Local Hazard Mitigation Plan (LHMP). The LHMP will include goals and objectives that will further guide responding to catastrophic events. The CCSD also completed a Sustainable Water Facility (SWF) as well as improvements to Well SR-4 during 2014, which improves the reliability of the water supply system and its ability to serve customers during drought conditions. Currently, the CCSD is in the process of securing a regular Coastal Development Permit for its SWF. (See Section 6 for additional discussion on the SWF.)

8.9 Minimum Supply Next Three Years

Water Code Section 10632(b) requires that the UWMP estimate the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

Table 8-4 provides CCSD's minimum available water supply numbers for the next three years.

Table 8-4. Minimum Supply Next Three Years

Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	1,228	1,273	1,197
NOTES: Includes groundwater basin multiple dry year supplies from the San Simeon and Santa Rosa creek groundwater aquifers as shown in Table 7-1, plus the percolated treated wastewater effluent, which is used for a saline barrier and indirect potable reuse by the SWF. Percolated wastewater effluent is based on indoor water use, which is conservatively low due to it not including any infiltration or inflow into the collection system. The volume of percolated wastewater was interpolated between actual 2015 metered wastewater plant effluent volume and projected 2020 indoor water use (estimated at 80% of demand based on an earlier 1988 USGS study (98-4061).			

9. DEMAND MANAGEMENT MEASURES

As a retail supplier of the Cambria area's potable water, the CCSD continues to aggressively promote water conservation to make the most efficient use the existing local groundwater supplies. This section describes the CCSD's retail Demand Management Measures (DMMs), their implementation over the past five years, and future planned conservation measures that will ensure the CCSD continues to meet or exceed water use reduction goals.

9.1 Demand Management Measures for Wholesale Agencies

The CCSD is not a wholesale supplier of water. Therefore, this section of the State's recommended reporting format does not apply.

9.2 Demand Management Measures for Retail Agencies

9.2.1 Water Waste Prevention Ordinance.

The CCSD prohibition water waste through enforcement of Chapter 4.08 of its Municipal Code, which is further described within Section 8. The prohibition of water waste is an ongoing requirement, which applies during drought and non-drought conditions. Enforcement is achieved through coordinated efforts of the CCSD's water and billing departments.

9.2.2 Metering

All potable water customers served by the CCSD are metered. The CCSD currently uses AMR meters, which include an electronic flagging feature when leaks are suspected on the downstream, customer-side of the meter. The CCSD billing department coordinates with the water department in notifying customers of suspected leaks. Depending upon specific circumstances, such noticing may be followed up with an on-site inspection to assist customers in determining the cause of their leak to facilitate repair. Long term planning calls for replacing the existing AMR meters and installing meters based on an advanced metering infrastructure (AMI) system.

9.2.3 Conservation Pricing

The CCSD has a tiered water rate structure, which encourages water conservation (unit rates increase with increased use). In addition, there are surcharges that apply during Stage 2 or Stage 3 levels of water conservation when use exceeds established limits (See Section 8 for further details.).

9.2.4 Public Education and Outreach

The CCSD routinely provides public information on water conservation via its website, billing inserts, billing notices, public announcements, coordination with the local media, as well as by its website at cambriacsd.org. Tent cards on water conservation are also provided to restaurants and motels. The CCSD is also a signatory agency to the California Urban Water Conservation Collaborative (CUWCC), which allows benefits such as including the interactive H2OHouse web site link directly on the CCSD's web site. The H2OHouse link allows visitors to tour a typical house and receive valuable water saving tips and information. Additionally, the CCSD web site contains 'how to' information on reading meters and checking for leaks. CCSD water bills also remind customers of their past use to allow for a quick assessment of their water use. The CCSD also placed an added emphasis on testing pressure-regulating valves based on experience from residential home surveys. To facilitate testing, pressure gages are loaned to customers free of charge for testing incoming household pressures downstream from their pressure-regulating valve. The District's website also contains information explaining pressure-regulating valve testing.

9.2.5 Programs to assess and manage distribution system real loss

The CCSD routinely monitors its water production and consumption and investigates unaccounted water to determine water loss. Staff have also attended the first wave of training offered by the California-Nevada Section of the AWWA on

water loss auditing, which is in response to SB 555 that was passed by the State during 2015 (a total of four training waves are planned). Appendix K provides a copy of the FY2013/2014 Water Audit completed as part of this UWMP Update, and is described further in Section 4.3. The CCSD plans to conduct annual water loss auditing per SB 555 requirements. As part of this effort, it will continuously improve metering and documentation for authorized non-metered water use (E.g., assigning construction hydrants to fire trucks for use in non-emergency tasks such as hydrant testing) as well as estimating and documenting losses from leak repairs. The CCSD field staff routinely check and respond to water leaks, and are on-call 24/7 to immediately respond and take corrective action.

9.2.6 Water conservation program coordination and staffing support

The District's Utility Manager/District Engineer administers the District's water conservation program, with assistance from billing and water department staff. The Administrative Technician II Assistant to the District's Utility Manager/District Engineer will serve as water conservation coordinator following the completion of training in water conservation and related programs. This training is to include water conservation auditing and administration of the CCSD's demand offset program. Future training of the staff sharing these duties will be sought out from the CUWCC and other sources. Funding for this effort includes the CCSD points bank, which has been in existence for several decades. Essentially, any new water connection is required to offset estimated demands by purchasing demand offset points from the CCSD points bank. Points are added into the bank by documenting savings from water conservation efforts. For example, older homes are required to retrofit their fixtures to current water efficiency standards upon resale and certain remodeling efforts. Such efforts are documented by pre and post inspections with the savings converted into points.

9.2.7 Other demand management measures

The CCSD is currently in the planning stages for requiring point of use recycling systems on future homes that are currently on the CCSD's wait list. This may include separate black and gray water sewers to allow piping grey water to the point of use recycled treatment process, which would then treat the grey water to a level where it could be used for toilet flushing and outdoor uses. Separate purple piping would connect to the point of use treatment system, which would be connected to the toilets and other non-potable uses.

9.3 Implementation over the Past Five Years

Water conservation implementation over the past five years has included the CCSD's continuing efforts on its retrofit on resale program and existing points bank conservation program, rebates for water-efficient washing machines, rebates on ultra-low flush toilets, as well as free low flow showerhead and aerators. The CCSD uses a points bank to track conservation measures used to offset demands from any future water connections within its serviced area. Essentially, this program determines the number of retrofit-in-lieu points based on the proposed development, which are purchased and withdrawn from the bank. As conservation measures occur (e.g., retrofit on resale), points are added back into the points bank. Previous efforts included the CCSD commissioning Maddaus Water Management to complete a Water Use Efficiency Program (WUEP)[12], completed in 2013. This 2013 effort resulted in an update to the number of points required based on the review demands by various sized residential homes and using the 90th percentile of those findings as a basis. The WUEP effort resulted in the CCSD Board adopting Program B in February 2013. The process used to develop the WUEP included analyzing conservation measures and programs using a Least Cost Planning Water Demand Management Decision Support System Model (DSS Model). Table 9-1 summarizes the CCSD's 2013 adopted measures. As part of this 2015 UWMP, the CCSD has updated the DSS Model, which is further described within Appendix G.

[12] CCSD Water Use Efficiency Plan, Maddaus Water Management, adopted by the CCSD Board on February 28, 2013.

Table 9-1. CCSD Elements of Conservation Program B

Elements of Conservation Program B (The Recommended Plan) Cambria CSD		
General Measures	Residential Measures	Commercial Measures
Public Information	*High Efficiency Toilets Rebates**	*Large Meter Replacement and Leak Monitoring**
Water Loss (NRW) Control Program	Clothes Washer Rebates	Clothes Washer Rebates
*Automated Meter Reading Conservation Benefits (AMR)**	Water Use Efficiency Surveys	Water Use Efficiency Surveys
*Conservation Pricing Update**	*Showerhead Giveaway**	High Efficiency Urinal Rebates
*Prohibit Water Waste and Practices (Ordinance)**	*Require Fixture Replacement by a Deadline**	*Require Fixture Replacement by a Deadline**
	Require Irrigation and Landscape Upgrades	Require Irrigation and Landscape Upgrades
	*Destribute Hot Water Recilulation Pumps**	

* Denotes Continue and/or Expand Current Measure

9.4 Planned Implementation to Achieve Water Use Targets

The following table presents a list and description of CCSD's current and planned conservation measures. These measures were used in the DSS Model described in Appendix G, and summarized in Section 4.4.

Table 9-2. Conservation Measure Description

Measure Name	Description
Non-Revenue Water System Loss	Implement AWWA Manual M36 Methodology. (1) Use System Audit to track annually Infrastructure Leakage Index (ILI) Progress. Goal to lower the (ILI) and non-revenue water every year by pre-determined amount based on cost-effectiveness. (2) Analyze and Address Apparent Losses (i.e. data for billing system errors, and address meter testing and repair/replacement to insure more accurate meter reads and revenue collection). (3) Covers current efforts to address Real Losses (i.e. find and repair leaks in the distribution system to reduce real water loss and take other actions. Leak repairs would be handled by existing crews. After completing first system audit set a goal, such as "reduce non-revenue water to 7% of production over 5 years."
AMR Conservation Benefits	Use the AMR capability to identify accounts with continuous flow. Notify those accounts with a monthly usage above a certain level of the possibility of a leak on their side of the meter. Likely only occurs on indoor leaks. Follow up with those customers and help them identify leaks. Provide a penalty charge if leak is not fixed within 30 days. Consider offering an adjustment (reduction) on their water bill if they fix the leak before the next meter reading.
AMI Conservation Benefits	Retrofit AMR system with AMI meters and associated network capable of providing continuous consumption data to Utility offices. Improved identification of system and customer leaks is major conservation benefit. Some of the costs of these systems are offset by operational efficiencies and reduced

Measure Name	Description
	staffing, as regular meter reading and actions for opening and closing accounts are accomplished without need for physical or drive-by meter reading. Also enables enhanced billing options and ability to monitor unauthorized usage (such as use/tampering with closed accounts or irrigation if time of day or days per week are regulated). Customer service is improved as staff can quickly access continuous usage records to address customer inquiries. Optional features include online customer access to their usage, which has been shown to improve accountability and reduce water use. Identify and quickly notify customers of apparent leaks.
Prohibit Water Waste and Practices	Enforce ordinance that prohibits the waste of water with penalties for failure to repair outdoor or internal leaks in a timely manner and should include penalties for not repairing any leaks. Assume that only applies to exterior leakage and over irrigation resulting in runoff onto streets. Water savings estimate will be made based on prior years' enforcement activities. Monthly average is 40-50 on the "leak list" from the meter reads and then also 15 calls per month.
Public Information, Regional Outreach, Media Campaign	Public education used to raise awareness of conservation measures available to customers. Coordinate with other coastal water agencies and use various methods to teach customers about efficiency measures. Include direct customer contact (classes or neighborhood ambassadors program), direct mail/posters around community, speakers to community groups, educational material, conservation website, other media (public service announcements on radio, use PPT Slides announcements via TV during local public meetings), demonstration gardens, etc. Refine and develop media messages, social marketing plan that will use public input to assist in changing attitudes. Include information about rain barrels and cisterns in public educational resources.
Single Family Water Surveys	Implement indoor and outdoor water surveys for existing single-family residential customers. Normally those with high water use are targeted and provided customized water saving information, tips and tools. Eligible accounts could be about 1,000 (top 25%) of either single family homes or smaller home vacation rental properties. For conservation assumption on water savings and participation levels, only SF homes are included in the program planning. CCSD recognizes that higher conservation potential may exist in the vacation rental homes.
Multifamily Surveys	Organize and implement water surveys for existing multifamily residential customers (4 units or more). Target those with high water use and provide a customized report to owner. Less than 70 units would be eligible.
High Efficiency Showerhead & Aerators Giveaway	CCSD to buy low flow showerheads (1.5 gpm) in bulk and distribute them with water surveys and community events. Kit would include a 0.5 gpm lavatory faucet aerator and 1.5 gpm non-lavatory/kitchen faucet aerator. Target higher user and older homes (pre-1992) and full-time occupancy. This may be implemented as a targeted door canvassing program to also promote SF Survey program to both single family residences and vacation rental properties.
High Efficiency Toilet (HET) Rebates	Provide a rebate for the high efficiency toilet (HET). HET's are defined as any toilet flushing at 1.28 gpf or less and include dual flush technology. Rebate amounts would be on a sliding scale depending upon what type of toilet was replaced with an HET and would range from $60 to $100 per toilet replaced. Assume would move down to a lower volume use toilet after 2021, however to be conservative, this added savings are not modeled.

Measure Name	Description
School Building Retrofit	School retrofit program would provide a grant to a school to replace fixtures and/or upgrade irrigation systems. Learn from the successful experience of the Southern California Generation Water Program (http://www.generationwater.org) that involved support from water supplier, school district and provide on the job training for high school students. Assume one school per year is retrofitted with a grant from CCSD. Consider support by trainees for other support of CCSD Conservation Program activities.
Cambria Net Zero Landscape Ordinance (New Homes)	This measure is an aggressive local landscape ordinance as a step-up from CA's Model Water Efficient Landscape Ordinance (MWELO). Targeting new development only, this measure aims to achieve "net-zero" outdoor water use by any method including the use of native plants, weather-based irrigation controllers, gray water systems, cisterns and rain barrels, etc.
Point of Use Water Reuse (New Homes)	Point of use water recycling will allow for toilet flushing and other possible uses with locally treated grey water. It could be considered for new homes to help shape the demand forecast curve down. Establish an ongoing maintenance and monitoring/follow-up program (back-flow device inspection).
Fixture Retrofit on Resale or Name Change on Water Account	Compliance with CCSD Code where home buyer is required to provide a certificate of compliance / proof of installation be submitted to CCSD that verifies a plumber has inspected the property and efficient fixtures were already there or were installed by the close of escrow; require submittal within certain time frame such as 90 days of the close of escrow. (Consider experience of the Cities of Los Angeles and San Diego or City of Santa Cruz). Coordinate with new CA law SB 407 but require fixture upgrades rather than notifying new owner of the presence of inefficient fixtures.
Require Fixture Replacement Upon Remodel	When pulling a permit with remodel, this ordinance requires homeowners, vacation rental & multi-family properties and businesses to bring fixtures up to efficient standard by a fixed date at their own expense.
Require Multi Family Submetering on New Accounts	Require the metering of individual units in new multi-family, condos, townhouses, mobile-home parks. CCSD would administer meter read and bill program.
Non regenerative Water Softeners Incentives	This would reinstate the program that CCSD used to have as an incentive program. Ion exchange-based softening systems, which perform on-site regeneration of the exchange resin, would be eligible. CCSD to offer $100 rebate to switch out existing water softeners, installation of upgraded version of water softener may be eligible with CCSD pre-approval.
High Efficiency Washer Rebate	Provide a rebate for highly efficient washing machines to single family homes, apartment complexes that have common laundry rooms, and COM accounts. It is assumed that the rebates would remain consistent with relevant state and federal regulations (Department of Energy, Energy Star) and only offer the best available technology. Rebate amounts would reflect the incremental purchase cost. Program will be shorter lived as it is intended to be a market transformation measure and eventually would be stopped as efficient units reach saturation. SF rebate amounts would be $100-150 and coordinated with PG&E. Rebates could be tiered but assumed would be only given on the very efficient machines of less than 4.0 Water Factor (WF) inline CCSD Ordinance adopted in November 2012. PG&E offers a rebate on Tier 3 machines (currently water factor less than 4.5 gal/cu ft./cycle). CCSD may use the link on the cee1.org website for list of qualified machines to assist with administering

Measure Name	Description
	program. PG&E is providing rebate processing on behalf of other water utilities in Northern California.
CII Surveys and Top 25 Users Program	All CII customers would be offered a free water survey that would evaluate ways for the business to save water and money. The CII surveys would be for large accounts (accounts that use more than a significant amount of water per day) such as hotels, restaurants, stores, laundries, and schools. Emphasis will be on supporting the high water users including an analysis of who the high water users are.
Ultra-High Efficiency Urinal Rebate	Provide a rebate to existing high use CII customers (such as restaurants) for high efficiency urinals using equal to or less than 0.125 gallons per flush as per CCSD Ordinance adopted in November 2012.
Hot Water Recirculator	CCSD will provide one no-cost hot water circulating system to homeowners upon request. Homeowner's assume all responsibility for costs and installation. Unit may be installed under the master bath sink and will reduce wait time for hot water to 20 seconds or less at the retrofitted fixture.
Turf Replacement Program	California Department of Water Resources provides a per square foot incentive for supporting the customers cost to remove turf and replace with low water use plants or permeable hardscape. Rebate based on dollars per square foot removed, and capped at an upper limit. CCSD is not planning to support a turf replacement program at this time. http://www.saveourwaterrebates.com/turf-replacement-rebates-tc.html

9.5 Members of the California Urban Water Conservation Council

CCSD has been a member of the California Urban Water Conservation Council since December 2005 through 2015. At this point CCSD is not implementing and therefore not tracking compliance with the CUWCC's online conservation reporting.

10. PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

This 2015 UWMP was presented to the Water District's Board of Directors for review and adoption. Once adopted, it supersedes the existing plan prepared in 2010. It was filed with the Water Efficiency Office in the Department of Water Resources, the California State Library, and San Luis Obispo County, as required by law, and will be used by the District staff during the current five-year planning cycle. As required by Section 10621 (a) of the Water Code, the District will update the UWMP again by December 2020.

10.1 Inclusion of All 2015 Data

All reported supply, demand, and planning data for the year 2015 is based on a complete data record for the 2015 calendar year.

10.2 Notice of Public Hearing

A public hearing before the CCSD Board of Directors to receive comments and consider adoption of the CCSD's 2015 UWMP was held on December 15, 2016. The public hearing was advertised in The Tribune Newspaper at least 60 days prior to the meeting. Additionally, a public hearing notice was posted on CCSD's website www.cambriacsd.org. See Appendix B for a copy of the newspaper notice. The UWMP was made available for public review at the CCSD Offices, the Cambria Library, and on the cambriacsd.org web site.

A copy of the resolution adopting the UWMP is provided in Appendix L.

Within 30 days of adoption, a copy of the plan will be mailed to DWR, the California Library Records Hall (Sacramento), and placed on CCSD's website.

10.2.1 Notice to Cities and Counties

This section describes the notices to San Luis Obispo County and the SLO County Council of Governments that the CCSD distributed. Table 10-1 lists these specific entities.

Table 10-1. Notification Letter to Cities and Counties

Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
SLO County of Council Governments	☐	☑
County Name	60 Day Notice	Notice of Public Hearing
San Luis Obispo County	☑	☑
Notes: Includes San Luis Obispo Co. Planning and Building. In addition to the above County notification, the CCSD published legal notices in the local newspapers.		

Figure 10-1 is a copy of the letter sent to the cities and county notifying them of CCSD's intent to update the UWMP. A copy of this letter is also included in Appendix B.

Figure 10-1. Notification Letter to Cities and Counties

CAMBRIA COMMUNITY SERVICES DISTRICT

DIRECTORS:
GAIL ROBINETTE, President
MICHAEL THOMPSON, Vice President
JIM BAHRINGER
AMANDA RICE
GREG SANDERS

OFFICERS:
JEROME D. GRUBER, General Manager
MONIQUE MADRID, District Clerk
TIMOTHY J. CARMEL, District Counsel

GREAT PEOPLE, DOING GREAT THINGS FOR A GREAT COMMUNITY

1316 Tamsen Street, Suite 201 • P.O. Box 65 • Cambria CA 93428
Telephone (805) 927-6223 • Facsimile (805) 927-5584

August 18, 2016

Mr. James Caruso
County of San Luis Obispo
Planning Department
976 Osos Street, Room 200
San Luis Obispo CA 93408

Subject: Cambria CSD - 2015 Urban Water Management Plan Update

Dear Mr. Caruso,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually or 3,000 customers prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources. Realizing we are behind schedule in meeting its July 1, 2016 due date, we are currently expediting completion of our 2015 UWMP update while still meeting the Act's noticing requirements. The Act requires the District notify the County at least 60 days prior to any public hearing on the CCSD's UWMP. Therefore, please note that our District is currently reviewing its old plan and developing its update. Therefore, we may be contacting you to obtain supporting data and information.

Our District will also contact the County of San Luis Obispo in the future regarding public meetings where we will discuss the UWMP Update, as well as consider its adoption by our Board. We will encourage your attendance and input as part of this process. The District will also provide the County with a draft copy of the UWMP for your review and comments. In addition, the District will send out the final UWMP within 30 days of adoption by our District Board.

Should you *have* any additional information that may benefit our update, or have any related questions, please feel free to contact us. I can be reached directly at (805) 927-6119. Thank you.

Sincerely,

Robert C. Gresens

Robert C. Gresens, P.E.
District Engineer

cc: Courtney Howard, SLO County Public Works

10.2.2 Notice to the Public

The public was notified 60 days prior to the adoption meeting via The Tribune Newspaper and by posting the 2015 UWMP on the www.cambriacsd.org website by November 28, 2016.

The notice from the newspaper is shown in Appendix B.

10.3 Public Hearing and Adoption

The plan was adopted on DATE at CCSD's Board meeting. The CCSD Board resolution adopting the plan will be enclosed as Appendix L.

10.4 Plan Submittal

To satisfy Water Code Section 10635(b), within 30 days of adoption, CCSD was required to submit a copy of the 2015 UWMP to the DWR, the California Library Records Hall (Sacramento), and to any city or county to which CCSD provides water.

In accordance with the requirements of CWC §10644, within 30 days after its adoption, the UWMP will be submitted to the DWR and the County of San Luis Obispo, and plan copies will be provided to the California State Library System and the San Luis Obispo County Library. The updated plan will also be posted on the CCSD website (www.cambriacsd.org) and made available for public review at the CCSD District office.

Documentation confirming CCSD's 2015 UWMP submittal can be found in Appendix M.

10.5 Public Availability

The 2015 UWMP was made available for public review at the CCSD District office, the public library, and on the www.cambriacsd.org website.

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12. APPENDICES

A. UWMP Checklist

B. Public Notice of UWMP Hearing

C. DWR Bulletin 118

D. Groundwater Diversion Permits

E. SB X7-7 Verification Form

F. RWQCB Waste Discharge Order 01-100, December 7, 2001

G. Demand & Passive Savings Methodology

H. CCSD Groundwater Management Plan

I. CCSD Task 3: Recycled Water Distribution System Master Plan

J. CCSD Code Title 4 Water Systems

K. Water Audit Method

L. Adoption Resolution

M. Documentation of 2015 UWMP Submittal

N. Project Contact List

Cambria Community Services District
Urban Water Management Plan

DRAFT

November 28, 2016

APPENDICES

Prepared by:

MADDAUS
WATER
MANAGEMENT INC.

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LIST OF ACRONYMS

2015 UWMP	2015 Urban Water Management Plan
AB	Assembly Bill
ABAG	Association of Bay Area Governments
AF	acre-feet
AFY	acre-feet per year
AMI	Advanced Metering Infrastructure
AWWA	American Water Works Association
AWWARF	American Water Works Association Research Foundation
BMP	Best Management Practice
ccf	100 cubic feet
CCSD	Cambria Community Services District
CII	Commercial, Industrial, and Institutional
CUWCC	California Urban Water Conservation Council
CWC	California Water Code
DCR	2015 DWR State Water Project Delivery Capability Report
DDW	State Water Resources Control Board Division of Drinking Water
DMA	District Metered Area
DMM	Demand Management Measures
DOF	California Department of Finance
DSS	Least Cost Planning Decision Support System
DWR	California Department of Water Resources
EPA	Environmental Protection Agency
ETo	Evapotranspiration
FY	fiscal year
GCM	global climate model
GPCD	gallons per capita per day
gpd	gallons per day
gpf	gallons per flush
gpm	gallons per minute
HET	High-Efficiency Toilet
LD&R	Leak Detection and Repair
M&I	Municipal & Industrial
MOU	Memorandum of Understanding Regarding Water Conservation in California
MWM	Maddaus Water Management Inc.
NIWR	Net Irrigation Water Requirements
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
O&M	Operations & Maintenance
PMCL	Planning and Management Consultants, Ltd.
PWS	Public Water Systems
RUWMP	Regional Urban Water Management Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SB X7-7	Water Conservation Bill of 2009
SWF	Sustainable Water Facility
SWRCB	State Water Resources Control Board
USBR	United States Bureau of Reclamation
USGS	U.S. Geological Survey
UWCC	Urban Water Conservation Committee
UWMP	Urban Water Management Plan
UWMP Act	Urban Water Management Planning Act of 1983 (AB 797)
WARN	Water/Wastewater Agency Response Network
WDR	Waste Discharge Requirement
WRR	Water Recycling Requirement
WWTP	Wastewater Treatment Plant

APPENDIX A – UWMP CHECKLIST

Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	**Section 1.2**
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	**Section 2.5.2**
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	**Section 2.5.2**
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	**Section 3.1**
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	**Section 3.3**
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	**Section 3.4**
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	**Section 3.4**
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	**Section 3.4**
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	**Section 4.2**
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	**Section 4.3**
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	**Section 4.5**

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	**Section 5.6, Appendix E**
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 and App E	**Section 5, Appendix E**
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5-year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	**Section 5.6**
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	**Section 5.1. Section 5.8**
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	**Section 5, Table 5-2, Appendix E**
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	**n/a**
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	**Section 5.1.1, Appendix E**
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	**Section 6.9**
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	**Section 6.2**
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	**Section 6.2.2, Appendix H**

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	**Section 6.2.1**
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	**6.2.3**
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	**Section 6.2.3**
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.4	**6.2.4**
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	**Section 6.2**
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	**Section 6.7**
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	**Section 6.8, Section 7.3**
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	**Section 6.6**
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	**Section 2.5.1, Table 2-4, Table 6-9**
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	**n/a**

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	**Section 6.5.1**
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	**Section 6.5.2**
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	**Sections 6.5 6.5.2, Table 6-3**
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	**Sections 6.5, 6.5.3, 6.5.4 Appendix I**
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	**Sections 6.5, 6.5.4, Table 6-4, Appendix I**
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	**Section 6.5.3, Section 6.5.4, Table 6-4**
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5.5	**Section 6.5.5, Table 6-6**
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	**Section 6.5.5, Table 6-6**
10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	**Section 7.3, Section 7.4**
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	**Section 7.2**
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	**Section 7.4**
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	**Section 7.3**
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	**Section 8.1**
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	**Section 8.9**
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	**Section 8.8**
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	**Section 8.2**
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	**Section 8.4**
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	**Section 8.3**
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	**Section 8.6**

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	**Section 8.7, Appendix J**
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	**Section 8.5**
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	**Section 9.2**
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	**Section 9.1**
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	**Section 9.4**
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	**Section 10.2**
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	**Section 10.2.2**
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	**Section 10.2, Section 10.3, Section 10.4**
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	**Section 10.2**

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	**Section 10.2, Section 10.3, Section 10.5, Appendix B**
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	**Section 10.2.1**
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	**Section 10.3, Appendix L**
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	**Section 10.3, Appendix M**
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	**Section 10.4, Appendix M**
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	**Section 10.4**
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	**Section 10.5**

APPENDIX B – PUBLIC NOTICE OF UWMP HEARING

CAMBRIA COMMUNITY SERVICES DISTRICT

GREAT PEOPLE, DOING GREAT THINGS FOR A GREAT COMMUNITY

1316 Tamsen Street, Suite 201 • P.O. Box 65 • Cambria CA 93428
Telephone (805) 927-6223 • Facsimile (805) 927-5584

August 18, 2016

Mr. James Caruso
County of San Luis Obispo
Planning Department
976 Osos Street, Room 200
San Luis Obispo CA 93408

Subject: Cambria CSD - 2015 Urban Water Management Plan Update

Dear Mr. Caruso,

The Urban Water Management Planning Act requires that urban water suppliers supplying more than 3,000 acre-feet of water annually or 3,000 customers prepare an Urban Water Management Plan (UWMP) in years ending in 5 and 0. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources. Realizing we are behind schedule in meeting its July 1, 2016 due date, we are currently expediting completion of our 2015 UWMP update while still meeting the Act's noticing requirements. The Act requires the District notify the County at least 60 days prior to any public hearing on the CCSD's UWMP. Therefore, please note that our District is currently reviewing its old plan and developing its update. Therefore, we may be contacting you to obtain supporting data and information.

Our District will also contact the County of San Luis Obispo in the future regarding public meetings where we will discuss the UWMP Update, as well as consider its adoption by our Board. We will encourage your attendance and input as part of this process. The District will also provide the County with a draft copy of the UWMP for your review and comments. In addition, the District will send out the final UWMP within 30 days of adoption by our District Board.

Should you *have* any additional information that may benefit our update, or have any related questions, please feel free to contact us. I can be reached directly at (805) 927-6119. Thank you.

Sincerely,

Robert C. Gresens, P.E.
District Engineer

cc: Courtney Howard, SLO County Public Works

THE Newspaper of the Central Coast
TRIBUNE

3825 South Higuera • Post Office Box 112 • San Luis Obispo, California 93406-0112 • (805) 781-7800

In The Superior Court of The State of California
In and for the County of San Luis Obispo
AFFIDAVIT OF PUBLICATION

AD # 2716633
CAMBRIA CSD

STATE OF CALIFORNIA
ss.
County of San Luis Obispo

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen and not interested in the above entitled matter; I am now, and at all times embraced in the publication herein mentioned was, the principal clerk of the printers and publishers of THE TRIBUNE, a newspaper of general Circulation, printed and published daily at the City of San Luis Obispo in the above named county and state; that notice at which the annexed clippings is a true copy, was published in the above-named newspaper and not in any supplement thereof – on the following dates to wit; OCTOBER 12, 2016, that said newspaper was duly and regularly ascertained and established a newspaper of general circulation by Decree entered in the Superior Court of San Luis Obispo County, State of California, on June 9, 1952, Case #19139 under the Government Code of the State of California.

I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

Jane E. Durand
(Signature of Principal Clerk)
DATED: OCTOBER 12, 2016
AD COST: $171.82

Cambria Community Services District
2015 Urban Water Management Plan
Notice of Review and Plan Update

The Cambria Community Services District (CCSD) is currently in the process of reviewing, updating, and preparing its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the requirements of the California Water Code.

The CCSD is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the CCSD's service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The CCSD is providing this notice pursuant to Water Code section 10621(b). The CCSD encourages local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by mid-November, 2016 and will be available at the CCSD's offices at 1316 Tamsen Street, Suite 201, Cambria, CA 93428, and on the CCSD's website.

Public comments may be submitted in writing to:
Bob Gresens
Cambria Community Services District
1316 Tamsen Street, Suite 201
Cambria, CA 93428

The public commenting period will conclude with a Public Hearing at the CCSD's Regular Board of Director's meeting to be held on December 15, 2016, at 12:30 p.m. at 1000 Main Street, Cambria, CA 93428. At the conclusion of the Public Hearing the CCSD Board of Directors will be considering the proposed plan for adoption.

Public input and coordination with local agencies is encouraged and will be considered during the process of preparing and completing the 2015 UWMP.

October 12, 2016 2716633

THE CAMBRIAN

2442 Main Street
Cambria, CA 93428

Business (805) 927-8562
Newsroom (805) 927-8895

In The Superior Court of The State of California
In and for the County of San Luis Obispo

AFFIDAVIT OF PUBLICATION

AD #2716652
CAMBRIA CSD

STATE OF CALIFORNIA,

ss.

County of San Luis Obispo

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen and not interested in the above entitled matter; I am now, and at all times embraced in the publication herein mentioned, was the principal clerk of the printers and publishers of THE CAMBRIAN, a newspaper of general circulation, printed and published weekly on each Thursday in the above named county and state; that notice at which the annexed clippings is a true printed copy, was published in the above-named newspaper and not in any supplement thereof - on the following dates, to-wit: OCTOBER 13, 2016, that being as often during the said period as said newspaper was regularly published, that said notice was printed and published in each and every edition, issue and number thereof printed, published and circulated on said days. I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

Jane E. Durand
(Signature of Principal Clerk)

DATE: OCTOBER 13, 2016
AD COST: $171.82

Cambria Community Services District
2015 Urban Water Management Plan
Notice of Review and Plan Update

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Public input and coordination with local agencies is encouraged and will be considered during the process of preparing and completing the 2015 UWMP.

October 13, 2016 2716652

APPENDIX C – DWR BULLETIN 118

San Simeon Valley Groundwater Basin

- Groundwater Basin Number: 3-35
- County: San Luis Obispo
- Surface Area: 620 acres (1.0 square miles)

Basin Boundaries and Hydrology

The San Simeon Valley Groundwater Basin underlies San Simeon Valley and is bounded by the Pacific Ocean on the west, the Santa Lucia Range on the east, and elsewhere by impermeable Franciscan Group rocks. The valley is drained by San Simeon Creek. Precipitation varies across the watershed from 20 inches at the coast to about 26 inches at the eastern end of the valley floor to more than 40 inches at the headwaters of San Simeon Creek (Yates and Van Konyenburg 1998).

Hydrogeologic Information

Water Bearing Formations

Groundwater is found in Holocene age alluvial deposits, which have an estimated specific yield of 18 percent (DWR 1958).

Holocene Deposits. Unconsolidated alluvial deposits underlie San Simeon Creek and consist of unconsolidated gravel, sand, clay, and silt. The alluvium has a maximum thickness of about 100 feet beneath the center of the valley and more than 120 feet at the coast (Yates and Van Konyenburg 1998).

Recharge Areas

Groundwater is unconfined and flows generally westward.
Recharge to the basin is largely by percolation of stream flow and, to a lesser extent, from deep infiltration of precipitation and excess irrigation flow (DWR 1958).

Groundwater Level Trends

In 1988, the rate of water-level decline slowed or even reversed slightly at most wells during November and early December following declines of 1 to 7 feet/month from February through August (Yates and Van Konyenburg 1998). This variation likely indicates seasonal fluctuation in groundwater level.

Groundwater Storage

Groundwater Storage Capacity. The groundwater storage capacity is estimated at 4,000 af (DWR 1975).

Groundwater in Storage. Unknown.

Groundwater Budget (Type A)

A groundwater budget for the San Simeon Groundwater Basin was simulated using a groundwater flow model for April 1988 through March 1989 (Yates and Van Konyenburg 1998). Recharge to the basin from rainfall totaled 50 af/yr. Recharge of creek flow was estimated at 540 af/yr. Subsurface inflow was 150 af/yr and subsurface outflow to the ocean was 320 af/yr. Recharge

to the basin from irrigation-return flow was 170 af/yr. Agricultural pumpage was estimated at 450 af/yr. Municipal pumpage was estimated at 550 af/yr. Rural domestic pumpage was estimated at less than 10 af/yr. Phreatophyte transpiration was estimated at 30 af/yr. About 440 af/yr of wastewater is also recharged (Yates and Van Konyenburg 1998).

Groundwater Quality

Characterization. Groundwater analyses from 31 wells in this basin taken from 1955 through 1994 show TDS content ranging from 46 to 2,210 mg/L. Analyses of data from 3 public supply wells show an average TDS content of 413 mg/L in the basin and range from 400 to 420 mg/L.

Impairments. There is no evidence of seawater intrusion (DWR 1975). Manganese concentrations increased downstream in the San Simeon Groundwater Basin, exceeding the MCL, ranging from 0.002 to 1.60 mg/L, with a median of 0.190 mg/L (Yates and Van Konyenburg 1998).

Water Quality in Public Supply Wells

Constituent Group[1]	Number of wells sampled[2]	Number of wells with a concentration above an MCL[3]
Inorganics – Primary	3	0
Radiological	3	0
Nitrates	3	0
Pesticides	3	0
VOCs and SOCs	3	0
Inorganics – Secondary	3	0

[1] A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).
[2] Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.
[3] Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Production characteristics

	Well yields (gal/min)	
Municipal/Irrigation	Range: to 170	Average: 100 (DWR 1958)
	Total depths (ft)	
Domestic		
Municipal/Irrigation	Range: to 80 ft	Average: 50 (DWR 1958)

Last update 2/27/04

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD
Department of Health Services and cooperators	Title 22 water quality	4

NKD: No Known Data

Basin Management

Groundwater management:

Water agencies

Public	Cambria CSD, San Luis Obispo County Department of Public Works
Private	

References Cited

California Department of Water Resources (DWR). 1958. *San Luis Obispo County Investigation*. Bulletin 18. 288 p.

_____. 1975. *Sea-Water Intrusion in California: Inventory of Coastal Ground Water Basins*. Bulletin 63-5.

Yates, E. B., and K. M. Van Konyenburg. 1998. *Hydrogeology, Water Quality, Water Budgets, and Simulated Responses to Hydrologic Changes in Santa Rosa and San Simeon Creek Ground-Water Basins, San Luis Obispo County, California*. U.S. Geological Survey Water-Resources Investigations Report 98-4061.

Errata

Changes made to the basin description will be noted here.

Last update 2/27/04

Santa Rosa Valley Groundwater Basin

- Groundwater Basin Number: 3-36
- County: San Luis Obispo
- Surface Area: 4,480 acres (7.0 square miles)

Basin Boundaries and Hydrology

The Santa Rosa Valley Groundwater Basin underlies Santa Rosa Valley and is bounded on the west by the Pacific Ocean and on all other sides by impermeable rocks of the Jurassic to Cretaceous age Franciscan Group. The valley is drained by Green Valley, Perry, and Santa Rosa Creeks. Average annual rainfall increases from about 20 inches at the coast to about 26 inches at the eastern end of the valley floor to more than 40 inches at the creek headwaters (Yates and Van Konyenburg 1998).

Hydrogeologic Information

Water Bearing Formations

Groundwater is found in alluvial deposits with an average specific yield of 17 percent (DWR 1975). Groundwater is unconfined and generally flows westward.

Holocene Deposits. Alluvial deposits consist of unconsolidated sand, clay, silt, and gravel of primarily fluvial origin. Commonly, the deposits are about 100 feet thick beneath the center of the valley and more than 120 feet thick at the coast (Yates and Van Konyenburg 1998).

Recharge Areas

Recharge to the basin is largely by percolation of stream flow and, to a lesser extent, from infiltration of precipitation and excess irrigation flow (DWR 1958).

Groundwater Level Trends

In 1988, the rate of water-level decline slowed or even reversed slightly at most wells during November and early December following declines of 1 to 7 feet/month from February through August (Yates and Van Konyenburg 1998). This variation likely indicates seasonal fluctuation in groundwater level.

Groundwater Storage

Groundwater Storage Capacity. The total groundwater storage capacity has been estimated at 24,700 af (DWR 1975) and 170,000 af (Camrosa Water District 2001).

Groundwater in Storage. Unknown.

Groundwater Budget (Type A)

A groundwater budget for the Santa Rosa Groundwater Basin was simulated using a groundwater flow model for April 1988 through March 1989 (Yates and Van Konyenburg 1998). Recharge to the basin from rainfall totaled 140 af/yr. Recharge from creek flow was estimated at 470 af/yr. Subsurface inflow was 370 af/yr and subsurface outflow to the ocean was 60 af/yr.

Last update 2/27/04

Recharge to the basin from irrigation-return flow was 330 af/yr. Agricultural pumpage was estimated at 890 af/yr. Municipal and rural pumpage totaled 260 af/yr. Phreatophyte transpiration was estimated at 160 af/yr. Groundwater pumping during 1998 to 1999 totaled 5,900 af (Cambria Water District 2001).

Groundwater Quality

Characterization. Analysis of water from 1 public supply well has a TDS content of 680 mg/L.

Impairments. There is evidence that points to the possibility of seawater intrusion (DWR 1975). Chloride content increased more than ten times, from 80 mg/L in 1955 to 933 mg/L in 1975 (DWR 1975). Background chloride concentrations typically ranged from 30 to 270 mg/L (Yates and Van Konyenburg 1998). One well had a chloride concentration of 1,925 mg/L in November 1961 (Yates and Van Konyenburg 1998).

Water Quality in Public Supply Wells

Constituent Group[1]	Number of wells sampled[2]	Number of wells with a concentration above an MCL[3]
Inorganics – Primary	1	0
Radiological	1	0
Nitrates	1	0
Pesticides	1	0
VOCs and SOCs	1	0
Inorganics – Secondary	1	1

[1] A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).
[2] Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.
[3] Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Production characteristics

	Well yields (gal/min)	
Municipal/Irrigation	Range: to 708	Average: 400 (DWR 1958)
	Total depths (ft)	
Domestic		
Municipal/Irrigation	Range: to 130	Average: 80 ft (DWR 1958)

Last update 2/27/04

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD
Department of Health Services and cooperators	Title 22 water quality	2

NKD: No Known Data

Basin Management

Groundwater management:

Water agencies

Public	Cambria CSD, Camrosa WD
Private	Santa Rosa MWC

References Cited

California Department of Water Resources (DWR). 1958. *San Luis Obispo County Investigation.* Bulletin 18. 288 p.

_____. 1975. *Sea-Water Intrusion in California: Inventory of Coastal Ground Water Basins.* Bulletin 63-5.

Camrosa Water District. 2000. *Draft: 2000 Urban Water Management Plan.* http://www.camrosa.com/Public%20Information/UWMP2000Draft.pdf (October 2001).

Yates, E. B., and K. M. Van Konynenburg. 1998. *Hydrogeology, Water Quality, Water Budgets, and Simulated Responses to Hydrologic Changes in Santa Rosa and San Simeon Creek ground-water basins, San Luis Obispo County, California.* U.S. Geological Survey Water-Resources Investigations Report 98-4061.

Additional References

California Department of Water Resources (DWR). 1958. *San Luis Obispo County Investigation.* Bulletin 18, 288 p.

_____. Central District. 1987. *Santa Rosa Plain Ground Water Model.* 318 p.

Cardwell, G. T. 1958. *Geology and Ground Water in the Santa Rosa and Petaluma Valley areas, Sonoma County, California.* U. S. Geological Survey Water-Supply Paper 1427.

Leonard, A.R., and G. T. Cardwell. 1955. *Statement on Ground-Water Conditions in Santa Rosa, Petaluma, and Sonoma Valleys, Sonoma County, California.* U. S. Geological Survey.

U.S. Bureau of Reclamation. 1990. *Long-Term Wastewater System Draft Environmental Impact Report, Statement : Santa Rosa Subregional Water Reclamation System.*

_____. 1992. *Santa Rosa Subregional Water Reclamation System: Long-Term Wastewater System Final Environmental Impact Statement.*

Errata

Changes made to the basin description will be noted here.

Last update 2/27/04

APPENDIX D – GROUNDWATER DIVERSION PERMITS

San Simeon SWRCB Permit for Diversion 17287

STATE OF CALIFORNIA
THE RESOURCES AGENCY
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

PERMIT 17287

Application 25002 of Cambria Community Services District

P. O. Box 65, Cambria, California 93428

filed on February 23, 1976, has been approved by the State Water Resources Control Board SUBJECT TO VESTED RIGHTS and to the limitations and conditions of this Permit.

Permittee is hereby authorized to divert and use water as follows:

1. Source: San Simeon Creek (underflow)

Tributary to: Pacific Ocean

2. Location of point of diversion: California Coordinate System, Zone 5	40-acre subdivision of public land survey or projection thereof	Section	Township	Range	Base and Meridian
1. N778,716,2816; E1,076,134,223	NE¼ of SE¼	9	27S	8E	MD
2. N778,961,0690; E1,076,080,025	NE¼ of SE¼	9	27S	8E	MD
3. N779,003,2366; E1,075,574,961	NW¼ of SE¼	9	27S	8E	MD

County of San Luis Obispo

3. Purpose of use:	4. Place of use:	Section	Township	Range	Base and Meridian	Acres
Municipal	Within the boundaries of					
	the Cambria Community Services					
	District in:		27S	8E	MD	
			28S	8E	MD	

The place of use is shown on map filed with the State Water Resources Control Board.

WRCB 14 (11-72)

APPLICATION 25002 PERMIT 17287

5. THE WATER APPROPRIATED SHALL BE LIMITED TO THE QUANTITY WHICH CAN BE BENEFICIALLY USED AND SHALL NOT EXCEED 2.5 CUBIC FEET PER SECOND TO BE DIVERTED FROM JANUARY 1 TO DECEMBER 31 OF EACH YEAR. THE MAXIMUM AMOUNT DIVERTED UNDER THIS PERMIT SHALL NOT EXCEED 572 ACRE-FEET BETWEEN JULY 1 AND NOVEMBER 20 OF EACH YEAR OR 1,230 ACRE-FEET PER ANNUM.

6. THE AMOUNT AUTHORIZED FOR APPROPRIATION MAY BE REDUCED IN THE LICENSE IF INVESTIGATION WARRANTS.

7. ACTUAL CONSTRUCTION WORK SHALL BEGIN ON OR BEFORE SIX MONTHS FROM DATE OF PERMIT AND SHALL THEREAFTER BE PROSECUTED WITH REASONABLE DILIGENCE, AND IF NOT SO COMMENCED AND PROSECUTED, THIS PERMIT MAY BE REVOKED.

8. SAID CONSTRUCTION WORK SHALL BE COMPLETED ON OR BEFORE DECEMBER 1, 1979.

9. COMPLETE APPLICATION OF THE WATER TO THE PROPOSED USE SHALL BE MADE ON OR BEFORE DECEMBER 1, 1995.

10. PROGRESS REPORTS SHALL BE SUBMITTED PROMPTLY BY PERMITTEE WHEN REQUESTED BY THE STATE WATER RESOURCES CONTROL BOARD UNTIL LICENSE IS ISSUED.

11. PERMITTEE SHALL ALLOW REPRESENTATIVES OF THE STATE WATER RESOURCES CONTROL BOARD AND OTHER PARTIES AS MAY BE AUTHORIZED FROM TIME TO TIME BY SAID BOARD, REASONABLE ACCESS TO PROJECT WORKS TO DETERMINE COMPLIANCE WITH THE TERMS OF THIS PERMIT.

12. PURSUANT TO CALIFORNIA WATER CODE SECTION 100, ALL RIGHTS AND PRIVILEGES UNDER THIS PERMIT AND UNDER ANY LICENSE ISSUED PURSUANT THERETO, INCLUDING METHOD OF DIVERSION, METHOD OF USE, AND QUANTITY OF WATER DIVERTED, ARE SUBJECT TO THE CONTINUING AUTHORITY OF THE STATE WATER RESOURCES CONTROL BOARD IN ACCORDANCE WITH LAW AND IN THE INTEREST OF THE PUBLIC WELFARE TO PREVENT WASTE, UNREASONABLE USE, UNREASONABLE METHOD OF USE, OR UNREASONABLE METHOD OF DIVERSION OF SAID WATER.

THIS CONTINUING AUTHORITY OF THE BOARD MAY BE EXERCISED BY IMPOSING SPECIFIC REQUIREMENTS OVER AND ABOVE THOSE CONTAINED IN THIS PERMIT WITH A VIEW TO MINIMIZING WASTE OF WATER AND TO MEETING THE REASONABLE WATER REQUIREMENTS OF PERMITTEE WITHOUT UNREASONABLE DRAFT ON THE SOURCE. PERMITTEE MAY BE REQUIRED TO IMPLEMENT SUCH PROGRAMS AS (1) REUSING OR RECLAIMING THE WATER ALLOCATED; (2) RESTRICTING DIVERSIONS SO AS TO ELIMINATE AGRICULTURAL TAILWATER OR TO REDUCE RETURN FLOW; (3) SUPPRESSING EVAPORATION LOSSES FROM WATER SURFACES; (4) CONTROLLING PHREATOPHYTIC GROWTH; AND (5) INSTALLING, MAINTAINING, AND OPERATING EFFICIENT WATER MEASURING DEVICES TO ASSURE COMPLIANCE WITH THE QUANTITY LIMITATIONS OF THIS PERMIT AND TO DETERMINE ACCURATELY WATER USE AS AGAINST REASONABLE WATER REQUIREMENTS FOR THE AUTHORIZED PROJECT. NO ACTION WILL BE TAKEN PURSUANT TO THIS PARAGRAPH UNLESS THE BOARD DETERMINES, AFTER NOTICE TO AFFECTED PARTIES AND OPPORTUNITY FOR HEARING, THAT SUCH SPECIFIC REQUIREMENTS ARE PHYSICALLY AND FINANCIALLY FEASIBLE AND ARE APPROPRIATE TO THE PARTICULAR SITUATION.

13. THE QUANTITY OF WATER DIVERTED UNDER THIS PERMIT AND UNDER ANY LICENSE ISSUED PURSUANT THERETO IS SUBJECT TO MODIFICATION BY THE STATE WATER RESOURCES CONTROL BOARD IF, AFTER NOTICE TO THE PERMITTEE AND AN OPPORTUNITY FOR HEARING, THE BOARD FINDS THAT SUCH MODIFICATION IS NECESSARY TO MEET WATER QUALITY OBJECTIVES IN WATER QUALITY CONTROL PLANS WHICH HAVE BEEN OR HEREAFTER MAY BE ESTABLISHED OR MODIFIED PURSUANT TO DIVISION 7 OF THE WATER CODE. NO ACTION WILL BE TAKEN PURSUANT TO THIS PARAGRAPH UNLESS THE BOARD FINDS THAT (1) ADEQUATE WASTE DISCHARGE REQUIREMENTS HAVE BEEN PRESCRIBED AND ARE IN EFFECT WITH RESPECT TO ALL WASTE DISCHARGES WHICH HAVE ANY SUBSTANTIAL EFFECT UPON WATER QUALITY IN THE AREA INVOLVED, AND (2) THE WATER QUALITY OBJECTIVES CANNOT BE ACHIEVED SOLELY THROUGH THE CONTROL OF WASTE DISCHARGES.

APPLICATION 25002 PERMIT 17287

14. THIS PERMIT SHALL NOT BE CONSTRUED AS CONFERRING UPON THE PERMITTEE RIGHT OF ACCESS TO THE POINT OF DIVERSION.

15. NO WATER SHALL BE USED UNDER THIS PERMIT UNTIL THE PERMITTEE HAS FILED A REPORT OF WASTE DISCHARGE WITH THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, CENTRAL COAST REGION, PURSUANT TO WATER CODE SECTION 13260, AND THE REGIONAL BOARD OR STATE WATER RESOURCES CONTROL BOARD HAS PRESCRIBED WASTE DISCHARGE REQUIREMENTS OR HAS INDICATED THAT WASTE DISCHARGE REQUIREMENTS ARE NOT REQUIRED. THEREAFTER, WATER MAY BE DIVERTED ONLY DURING SUCH TIMES AS ALL REQUIREMENTS PRESCRIBED BY THE REGIONAL BOARD OR STATE BOARD ARE BEING MET. NO DISCHARGES OF WASTE TO SURFACE WATER SHALL BE MADE UNLESS WASTE DISCHARGE REQUIREMENTS ARE ISSUED BY A REGIONAL BOARD OR THE STATE BOARD. A DISCHARGE TO GROUND WATER WITHOUT ISSUANCE OF A WASTE DISCHARGE REQUIREMENT MAY BE ALLOWED IF AFTER FILING THE REPORT PURSUANT TO SECTION 13260:

(1) THE REGIONAL BOARD ISSUES A WAIVER PURSUANT TO SECTION 13269, OR
(2) THE REGIONAL BOARD FAILS TO ACT WITHIN 120 DAYS OF THE FILING OF THE REPORT.

NO REPORT OF WASTE DISCHARGE PURSUANT TO SECTION 13260 OF THE WATER CODE SHALL BE REQUIRED FOR PERCOLATION TO THE GROUND WATER OF WATER RESULTING FROM THE IRRIGATION OF CROPS.

16. PERMITTEE SHALL MAINTAIN WATER LEVELS IN THE LOWER BASIN TO SUSTAIN STREAM FLOW TO THE LAGOON AT THE MOUTH OF SAN SIMEON CREEK TO MAINTAIN FISH AND RIPARIAN WILDLIFE HABITAT.

17. PERMITTEE SHALL PROVIDE AND OPERATE AS NECESSARY, IRRIGATION FACILITIES TO MAINTAIN RIPARIAN VEGETATION WITHIN DISTRICT OWNED PROPERTY.

18. IN ACCORDANCE WITH SECTION 1601 OF THE FISH AND GAME CODE, NO WATER SHALL BE DIVERTED UNDER THIS PERMIT UNTIL THE DEPARTMENT OF FISH AND GAME HAS DETERMINED THAT MEASURES NECESSARY TO PROTECT FISH AND WILDLIFE RESOURCES HAVE BEEN INCORPORATED INTO THE PLANS AND CONSTRUCTION OF SUCH DIVERSION. THE CONSTRUCTION, OPERATION AND MAINTENANCE COSTS OF ANY FACILITY REQUIRED PURSUANT TO THIS PROVISION SHALL BE BORNE BY THE PERMITTEE.

19. FOR THE PURPOSE OF PROTECTING VESTED RIGHTS APPROVAL OF THE LOCATION OF ALL PRODUCTION WELLS BY THE CHIEF OF THE DIVISION OF WATER RIGHTS IS REQUIRED PRIOR TO DIVERSION UNDER THIS PERMIT.

20. THE BOARD RESERVES JURISDICTION TO AMEND, REVISE, SUPPLEMENT OR DELETE TERMS AND CONDITIONS IN THE PERMIT TO PROTECT VESTED RIGHTS AND SPECIFICALLY TO ADD TERMS AND CONDITIONS WHICH WOULD INCLUDE SUITABLE OPERATIONAL WATER SUPPLY CRITERIA FOR THE PROTECTION OF VESTED RIGHTS AND THE PUBLIC INTEREST.

Application [illegible] Permit [illegible]

21. DISTRICT SHALL IMPLEMENT A WELL MONITORING PROGRAM FOR WATER PRODUCTION AND QUALITY OF ITS WELLS AND, AT DISTRICT'S EXPENSE, OF THE WELLS OF THOSE OF PROTESTANTS AND OTHER DIVERTERS WHO AGREE TO PARTICIPATE IN SUCH PROGRAM. THE DISTRICT SHALL NOT DIVERT ANY WATER UNDER THIS PERMIT UNTIL A MONITORING PROGRAM HAS BEEN APPROVED BY THE CHIEF OF THE DIVISION OF WATER RIGHTS.

22. DISTRICT SHALL INSTALL AND MAINTAIN TOTALIZING FLOW METERS OR SEPARATE POWER METERS ON ALL OF ITS WELLS.

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dated: MAY 9 1978

STATE WATER RESOURCES CONTROL BOARD

[signature]

EXECUTIVE DIRECTOR

WRCB 14.2 (11-68)

1984.06.08 Santa Rosa SWRCB Diversion Permit 20387

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

PERMIT 20387

Application 28158 of Cambria Community Services District

P.O. Box 65, Cambria, CA 93428

filed on June 8, 1984, has been approved by the State Water Resources Control Board SUBJECT TO VESTED RIGHTS and to the limitations and conditions of this Permit.

Permittee is hereby authorized to divert and use water as follows:

1. Source:	Tributary to:
Santa Rosa Creek Underflow	Pacific Ocean

2. Location of point of diversion:	40-acre subdivision of public land survey or projection thereof	Section	Township	Range	Base and Meridian
CALIFORNIA COORDINATE SYSTEM, ZONE 5 WELL SR1 (27S8E - 26D-1) NORTH 764,250 FEET AND EAST 1,082,750 FEET	SW¼ OF NW¼	26	27S	8E	MD
WELL SR2 NORTH 764,800 FEET AND EAST 1,084,200 FEET	NE¼ OF NW¼	26	27S	8E	MD
WELL SR3 (27S8E - 26C5) NORTH 765,000 FEET AND EAST 1,084,200 FEET	NE¼ OF NW¼	26	27S	8E	MD

County of San Luis Obipso

*projected

3. Purpose of use:	4. Place of use:	Section	Township	Range	Base and Meridian	Acre
MUNICIPAL	WITHIN THE BOUNDARIES OF THE CAMBRIA COMMUNITY SERVICES DISTRICT WITHIN:		27S	8E	MD	
			28S	8E	MD	

The place of use is shown on map on file with the State Water Resources Control Board.

WRCB 14 (6-89)

RECEIVED NOV 13 1989

Application 28158 Permit 20387

5. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed 2.67 cubic feet per second to be diverted from Janaury 1 through December 31 of each year. The maximum amount diverted under this permit shall not exceed 250 acre-feet from May 1 through October 31 of each year nor shall it exceed 518 acre-feet per calendar year. (0000005)

6. The amount authorized for appropriation may be reduced in the license if investigation warrants. (0000006)

7. Complete application of the water to the authorized use shall be made by December 31, 1999. (0000009)

8. Progress reports shall be submitted promptly by permittee when requested by the State Water Resources Control Board until license is issued. (0000010)

9. Permittee shall allow representatives of the State Water Resources Control Board and other parties, as may be authorized from time to time by said Board, reasonable access to project works to determine compliance with the terms of this permit. (0000011)

10. Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust. (0000012)

11. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Resources Control Board if, after notice to the permittee and an opportunity for hearing, the Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges. (0000013)

12. The total quantity and rate of water diverted and used under this permit and under permittee's claimed pre-1914 right for the place of use specified in the permit shall not exceed the quantity and rate of diversion and use, respectively, specified in this permit. If the permittee's claimed right is quantified at some later date as a result of an adjudication or other legally binding proceeding, the quantity and rate of diversion and use allowed under this permit shall be the net of the face value of the permit less the amounts of water available under the claimed right.

Application 28158 Permit 20387

Permittee shall forfeit all rights under this permit if permittee transfers all or any part of the claimed existing right for the place of use covered by this permit to another place of use without the prior approval of the Board. (0000021)

13. The equivalent of the continuous flow allowance for any 7-day period may be diverted in a shorter time, provided there be no interference with other rights and instream beneficial uses; and provided further that all terms or conditions protecting instream beneficial uses be observed. (0000027)

14. For the protection of water quality from increased salinity due to sea water intrusion in the lower subbasin of Santa Rosa Creek and for protection of instream resources, permittee shall:

(a) Construct a monitoring well in the vicinity of well 21R3, suitable for water quality sampling and water level monitoring. The well shall be at a location approved by the Chief of the Division of Water Rights and it shall be constructed within six months of the issuance of this permit.

(b) Measure the water level in the monitoring well, and analyze well water for electrical conductivity and chloride content on a monthly basis and on a weekly basis when the water level in permittee's well SR 1 is below mean sea level. Monthly or weekly measurements of chloride content and electrical conductivity shall be submitted semi-annually to the Chief of the Division of Water Rights. Following receipt of two years of measurements, the Chief of the Division of Water Rights shall establish chloride concentration and electrical conductivity standards for regulation of District diversions.

(c) Follow water sampling protocol as approved by the Chief of the Division of Water Rights and have water samples analyzed for electrical conductivity and chloride content in a laboratory certified by the State of California.

(d) Cease diversions under this permit if the water level in the monitoring well falls below 3.00 feet above mean sea level. The Chief of the Division of Water Rights is authorized to adjust the water elevation requirement in the monitoring well, if appropriate, based upon his review of a hydrologic analysis to be submitted by the permittee. Any such hydrologic analysis shall consider the depth to bedrock in the monitoring well and shall determine the fresh water elevation needed to prevent sea water intrusion. Any action by the Chief of the Division of Water Rights to lower the monitoring well water elevation requirements must be accompanied by a finding that the permittee has consulted with the California Department of Fish and Game regarding the tidewater goby (Eucyclogobius newberryi) and that lowering the monitoring well water elevation requirement would be in compliance with applicable provisions of state and federal law. (0400500) (0110500)

15. To prevent any significant ground deformation in the lower subbasin of Santa Rosa Creek from occurring due to diversion of water under this permit, permittee shall:

(a) Develop and submit for approval by the Chief of the Division of Water Rights a ground deformation monitoring program within six months of the issuance of this permit.

(b) Monitor for vertical ground deformation on a weekly basis when the static water level in well SR1 or SR3 falls below 15 feet below mean sea level.

(c) Cease diversions under this permit when vertical ground deformation exceeds the limit to be established in the ground deformation monitoring program. (0400500) (0490500)

Application 28158 Permit 20387

16. This permit is specifically subject to the diversion of water from the lower subbasin wells of Lloyd and Faye Junge, Joyce Bretz and Tony Williams, and Rancho Pacifica and their successors in interest under valid claim of riparian right.

At such time as permittee is diverting water authorized under this permit and the water level in the Junge, Bretz and Williams, or Rancho Pacifica wells reaches a depth which renders the well unusable, permittee shall:

(a) Deliver water from its point of diversion to the riparian place of use served by the well or;

(b) take other action to provide an alternate supply of water as is mutually agreeable to the permittee and Junge, Bretz and Williams, or Rancho Pacifica or their successors in interest.

Any water supplied for satisfaction of riparian rights shall not be considered as water appropriated under this permit.

In event that permittee opts to deliver water to the riparian place of use of any of the above wells, the riparian diverter shall be liable for the estimated costs which the riparian would have incurred to pump water from the affected well. In the absence of an agreement between the parties relative to pumping costs, the costs shall be based on an average amount per acre-foot for pumping water from the affected well during the month in question over the prior three years. Permittee shall pay the cost of installing and maintaining any water conveyance facilities needed to deliver water to the riparian point of diversion or place of use. (0280800)

17. For the maintenance of riparian vegetation, fish and aquatic resources, permittee shall, at its option, take one of the following actions:

Option 1

Permittee shall operate and maintain on its own or through agreement with San Luis Obispo County, the Highway 1 gaging station or a replacement gaging station to be located downstream of the point of diversion as authorized in this permit.

Permittee shall limit diversion to:

(a) A maximum of 2.0 acre-feet per day from November 1 through April 30 when the average daily surface flow at the downstream gage is between 2.5 and 10.0 cubic feet per second;

(b) A maximum of 1.4 acre-feet per day from November 1 through April 30 when the average daily surface flow at the downstream gage is less than 2.5 cubic feet per second.

The gage to be utilized under this option shall be capable of providing streamflow data on a real-time daily basis.

Option 2

Permittee shall use the Main Street gage for monitoring streamflow under this option. Permittee shall also operate and maintain on its own or through agreement with San Luis Obispo County, the Highway 1 gaging station for a minimum period of 36 months or until a good flow correlation between the Highway 1 and Main Street gages can be established, taking into consideration all factors affecting flow.

The correlation data shall be submitted to the Chief of the Division of Water Rights within 6 months following completion of the correlation analysis for a determination regarding its acceptability and need for an adjustment in the interim required flows at the Main Street gage as described below:

Application 28158 Permit 20387

During the correlation period, permittee shall limit diversion to:

(a) A maximum of 2.0 acre-feet per day from November 1 through April 30 when the average daily flow at the Main Street gage is between 3.5 and 11.0 cubic feet per second;

(b) A maximum of 1.4 acre-feet per day from November 1 through April 30 when the average daily flow a the Main Street gage is less than 3.5 cubic feet per second.

If at the end of the flow correlation period, the correlation data is inadequate for establishing appropriate flow requirements at the Main Street gage as determined by the Chief of the Division of Water Rights, permittee shall proceed with Option 1 of this permit condition. (0140500 (0100500

18. Upon request of the Chief of the Division of Water Rights, permittee shall submit:

(a) Records of the average daily streamflow from the upper and lower gages on Santa Rosa Creek;

(b) Records of permittee's daily water withdrawals from Santa Rosa Creek underflow. (0100300

19. Within six months of the issuance of this permit, permittee shall initiate an instream flow study approved by the Department of Fish and Game, to determine:

(a) The critical riffle for steelhead in the reach of Santa Rosa Creek affected by the permittee's diversion;

(b) The volume of streamflow required to pass upstream and downstream migrating steelhead through the affected reach.

A report on the findings of the instream flow study shall be submitted to the Chief of the Division of Water Rights within two years of the issuance of this permit or such further time as may be approved by the Chief of the Division of Water Rights. (0390500

20. Permittee shall, until December 31, 1993, monitor the sandbar at the mouth of Santa Rosa Creek. Permittee shall record the week and the average daily flows at the Highway 1 gage during that week that the sandbar opens and closes. The sandbar will be considered open when there is a measurable continuous surface flow from Santa Rosa Creek to the ocean. By June 1, 1994, the permittee shall submit a report of the monitoring records to the Chief of the Division of Water Rights. (0100700

21. The State Water Resources Control Board reserves jurisdiction over the permit for the following purposes;

(a) To reduce the amount of water authorized for appropriation if the U.S. Geological Survey investigation titled "Geohydrologic Study of Alluvial Stream Aquifer Systems in the Cambria - San Simeon Area, San Luis Obispo County, California", provide evidence that water is not normally available in the amount and season as authorized in this permit.

(b) To limit the permissible water table decline in permittee's well field should diversion under this permit result in ground deformation and loss of storage capacity in the lower subbasin of Santa Rosa Creek.

(c) To modify, in the public interest, the terms and conditions of this permit, including imposition of requirements to alter project operation and to modify instream flow bypass terms in the event of unforeseen adverse impact to fish and aquatic resources.

Application 28158 Permit 20387

Any action to reduce the amount of water authorizrd for appropriation or to modify the terms and conditions of this permit will be taken only after notice to interested parties and opportunity for hearing. (000M001)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dated: NOVEMBER 07 1989

STATE WATER RESOURCES CONTROL BOARD

Walter G. Pettit
Chief, Division of Water Rights

WR 14-2 (1-78)

67029-962 8-79 4M O OBP

2001.08.16 Santa Rosa SWRCB Permit 20387 Diversion Pt Change

State Water Resources Control Board

Division of Water Rights
1001 I Street, 14th Floor • Sacramento, California 95814 • (916) 341-5300
Mailing Address: P.O. Box 2000 • Sacramento, California • 95812-2000
FAX (916) 341-5400 • Web Site Address: http://www.swrcb.ca.gov
Division of Water Rights: http://www.waterrights.ca.gov

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

AUG 1 6 2001

In Reply Refer
to: 333:BRC:28158

Cambria Community Services District
c/o Mr. Robert Hamilton
P.O. Box 65
Cambria, CA 93428

Dear Mr. Hamilton:

PERMIT 20387 (APPLICATION 28158) OF SANTA ROSA CREEK UNDERFLOW TRIBUTARY TO PACIFIC OCEAN IN SAN LUIS OBISPO COUNTY

Your petition for the temporary urgency change in point of diversion has been approved. Enclosed is a copy of the order for your records. The order is effective immediately and will expire 180 days following the date of the order.

Please note that all requirements of the existing permit must be complied with. If you intend to pump from the new well following the expiration date of this temporary urgency change order, you will need to request that the temporary change be extended or you may petition for a permanent change. Petition forms to request a permanent change are available on our website noted above.

If you have any questions please contact Brian Coats, the staff person handling this matter, at (916) 341-5311.

Sincerely,

David R. Bunge

for Edward C. Anton, Chief
Division of Water Rights

Enclosures

cc: Pillsbury, Madison & Sutro LLP
Attn: Christopher J. McNevin
725 South Figueroa Street, Suite 2800
Los Angeles, CA 90017-5406

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AUG 20 2001
CAMBRIA COMMUNITY SERVICES

"The energy challenge facing California is real. Every California needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at http://www.swrcb.ca.gov"

TEMPC ORD (11-00)

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS
WR ORDER 2001-21 DWR

IN THE MATTER OF PERMIT 20387 (APPLICATION 28158)
ORDER APPROVING TEMPORARY URGENCY CHANGE
IN POINT OF DIVERSION

SOURCES: Santa Rosa Creek

COUNTY: San Luis Obispo

ORDER APPROVING TEMPORARY URGENCY CHANGE
IN THE PLACE OF USE

1.0 INTRODUCTION

On October 13, 2000, the Cambria Community Services District (CCSD) filed a petition requesting approval of a Temporary Urgency Change with the State Water Resources Control Board (SWRCB), pursuant to Water Code section 1435, et seq. The petition requests the temporary addition of an offset well as a point of diversion under Permit 20387.

2.0 SUBSTANCE OF THE PETITION

CCSD has suspended use of wells SR1 and SR3 under Permit 20387 in order to prevent contamination of the municipal wells. The California Regional Water Quality Control Board has issued Clean Up and Abatement Order 00-28 requiring that the contaminated area be identified and cleaned up. In addition, Order 00-28 requires that an alternate water supply for CCSD well's SR1 and SR3 be provided. CCSD has requested approval of an additional point of diversion under Permit 20387 approximately 0.75 miles upstream of well SR3.

3.0 BACKGROUND

CCSD was issued Permit 20387 (Application 28158) on November 7, 1989 for 2.67 cubic feet per second (cfs) to be diverted from January 1 to December 31 for municipal use. CCSD currently uses two wells abutting Santa Rosa Creek in San Luis Obispo County for its primary municipal water supply.

4.0 OBJECTIONS TO THE PETITION

A public notice of the proposed temporary urgency change was mailed to interested parties on October 27, 2000, and published in *The Tribune* on November 5, 2000. The SWRCB received one objection from a neighbor, Ms. McCadam, citing possible water shortages at her nearby well due to pumping at the proposed well site. Ms. McCadam submitted a letter indicating that any water shortages at Ms. McCadam's well would be supplemented at CCSD's expense using an existing pipeline to Ms. McCadam's property.

5.0 CRITERIA FOR APPROVING THE PROPOSED TEMPORARY CHANGE

The SWRCB must make the findings specified in Water Code section 1435(b) when issuing a temporary change order. The required findings are:

1. The permittee or licensee has an urgent need to make the proposed change.
2. The proposed change may be made without injury to any other lawful user of water.
3. The proposed change may be made without unreasonable effect upon fish, wildlife, or other instream beneficial uses.
4. The proposed change is in the public interest, including findings to support change order conditions imposed to ensure that the change is in the public interest, and may be made without injury to any other lawful user of the water, and without unreasonable effect upon fish, wildlife, and other instream beneficial uses.

5.1 Urgency of the Proposed Change

CCSD has suspended use of two wells where contaminates are within a few hundred feet of the wells. These wells serve as a municipal water supply for CCSD. Therefore, CCSD has an urgent need for the additional point of diversion to provide water for municipal use within their service area.

5.2 No injury to Any Other Lawful User of Water

One objection was received regarding injury to other lawful users of water. See section 4.0 for resolution of the objection. Since resolution of the objection was reached the proposed change will not cause injury to any known lawful user of water.

5.3 No Unreasonable Effect Upon Fish, Wildlife, or Other Instream Beneficial Uses

CCSD seeks to divert the same amount of water allowed under Permit 20387 (2.67 cfs) from a well approximately 0.75 miles upstream of well SR3. The same requirements for the protection of fish, wildlife and other instream beneficial uses set forth under Permit 20387 will remain in effect. Therefore, the proposed change should not have an unreasonable effect upon fish, wildlife, or other instream beneficial uses of water.

5.4 The Proposed Change is in the Public Interest

Since wells SR1 and SR3 serve as a municipal water supply for CCSD it is in the public interest to approve the temporary urgency change adding the proposed point of diversion to allow a continued municipal supply of water for the CCSD service area.

6.0 ENVIRONMENTAL COMPLIANCE

SWRCB is the responsible agency under the California Environmental Quality Act (CEQA). SWRCB staff have reviewed the submitted petition and found that in the absence of the proposed well, CCSD will have inadequate fire protection and domestic water supplies to meet public health and safety needs. SWRCB staff has recognized the emergency nature of the petition and has granted CCSD their Notice of Exemption under CEQA.

7.0 SWRCB's DELEGATION OF AUTHORITY

Resolution 99-031, section 3.2.22 delegates to the Chief of the Division of Water Rights the authority to approve temporary urgency changes pursuant to Water Code section 1435 provided the necessary findings can be made.

8.0 CONCLUSIONS

The SWRCB has adequate information in its files to make the evaluation required by Water Code section 1435. I conclude that, based on the available evidence:

1. CCSD has an urgent need to insure adequate municipal water supplies to its service area.
2. The proposed temporary change may be made without injury to any other lawful user of water.
3. The proposed temporary change may be made without unreasonable effect upon fish, wildlife, and other instream beneficial uses of water.
4. The proposed temporary change is in the public interest.

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ORDER

NOW, THEREFORE, IT IS ORDERED THAT: the filed petition for temporary urgency change in the point of diversion under the CCSD Permit 20387 (Application28158) is approved.

1. All current terms and conditions of Permit 20387 (Application 28158) shall remain in effect, except as temporarily modified by the terms and conditions of this Order and any further related order that may be issued during the effective period of the temporary change.

2. Permit 20387 shall be temporarily amended to add a new point of diversion, described as follows:

   An offset well located on the Coast Union High School Property within the SE ¼ of SE ¼ of Section 23, T27S, R18E, MDB&M.

3. The temporary change adding a point of diversion will be effective for a period of 180 days commencing on the date of this order and may be renewed for additional periods of time, not to exceed 180 day from the date of renewal.

4. Not later than March 1, 2002, CCSD shall provide to the Chief of the Division of Water Rights and to any parties requesting a copy, a summary of the amount of water actually served to CCSD from the added point of diversion during the temporary change.

5. Pursuant to Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this temporary change Order, are subject to the continuing authority of the SWRCB in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

6. This permit does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this water right, the permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit.

7. I reserve jurisdiction to supervise the temporary urgency change under this Order and to coordinate or modify terms and conditions for the protection of vested rights; fish, and wildlife, instream beneficial uses; and the public interest as future conditions may warrant.

Dated: AUG 16 2001

for Edward C. Anton, Chief
Division of Water Rights

2009.07.08 Santa Rosa SWRCB Diversion Permit 20387 Amendment

State Water Resources Control Board

Division of Water Rights
1001 I Street, 14th Floor ♦ Sacramento, California 95814 ♦ 916.341.5300
P.O. Box 2000 ♦ Sacramento, California 95812-2000
Fax: 916.341.5400 ♦ www.waterboards.ca.gov/waterrights

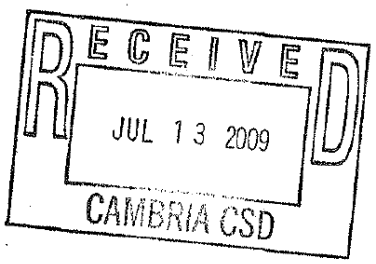
Linda S. Adams
Secretary for
Environmental Protection

Arnold Schwarzenegger
Governor

JUL 08 2009

In Reply Refer
to:LFD:28158

vo: fds
c: mka
BGI



Cambria Community Services District
c/o Bryan Bode
P.O. Box 65
Cambria, CA 93428

Bruce Black
c/o Robert J. Saperstein
Hatch & Parent, A Law Corporation
21 East Carrillo Street
Santa Barbara, CA 93101

Dear Mr. Bode and Mr. Black:

PERMIT 20387 (APPLICATION 28158), SANTA ROSA CREEK UNDERFLOW TRIBUTARY TO PACIFIC OCEAN, IN SAN LUIS OBISIPO COUNTY

A field investigation to resolve the Bruce Black protest was conducted on October 2, 2008. At the investigation, Cambria Community Services District and Bruce Black agreed to the resolution of the protest by adding recognition of any valid riparian right of Bruce Black in existing permit condition 16. Due to format changes, the amended permit condition numbers are different than the existing permit numbers. Condition 16 is now Condition 12 in the amended permit. The amended condition is shown on the enclosed amended permit.

Please note that the existing continuing authority (and water quality) conditions in the permit have been amended to reflect the current common law public trust doctrine as contained in title 23, California Code of Regulations, section 780(a) & (b).

Additionally, a threatened and endangered species condition has been added.

If you have questions, please contact Lauren Dailey who is currently assigned to process your petition at (916) 341-5314 or by email at ldailey@waterboards.ca.gov.

Sincerely,

Steven Herrera, Manager
Water Rights Permitting Section

Enclosure: **Amended Permit 20387**

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

In the Matter of Permit 20387 (Application 28158)
Cambria Community Services District

ORDER APPROVING CHANGE IN POINT OF DIVERSION AND AMENDING THE PERMIT

SOURCE: Santa Rosa Creek Underflow

COUNTY: San Luis Obispo

WHEREAS:

1. Permit 20387 was issued to Cambria Community Services District on November 7, 1989, pursuant to Application 28158.

2. A petition to change the point of diversion was filed with the State Water Resources Control Board (State Water Board) on February 11, 2002 and the State Water Board has determined that good cause for such change has been shown. Public notice of the change was issued on April 8, 2005. 49 protests were filed, but only three of the protests were accepted. Two protests were resolved without additional permit conditions. The existing permit condition regarding recognition of riparian rights was modified to add Bruce Black to the term to resolve the Black protest.

3. The State Water Board has determined that the petition for change in point of diversion does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.

4. The permit condition relating to the continuing authority and water quality objectives of the State Water Board should be updated to conform to section 780(a & b), title 23 of the California Code of Regulations.

5. Permittee issued a Notice of Exemption dated August 30, 2000. The proposed point of diversion was installed and began operation pursuant to the 2001 and 2002 Temporary Urgency Change Petition approvals of the Division of Water Rights (Division). Environmental review of the long-term change petition began February 11, 2002. No new facilities will be installed as a result of the 2002 Change Petition. The project is exempt under Section 15301 of the California Environmental Quality Act (CEQA) Guidelines, which covers the permitting of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. Pursuant to the provisions of CEQA, the State Water Board will issue a Notice of Exemption, in accordance with Title 14, California Code of Regulations, section 15301: CEQA applies only to projects which have the potential for causing a significant effect on the environment.

6. Fish, wildlife, and plant species have been or may be listed under the federal Endangered Species Act and/or the California Endangered Species Act. A condition should be placed in the permit making the Permittee aware of possible obligations resulting from these acts.

7. A term has been added to require measurement of water diverted under the permit to comply with Water Code section 1605.

NOW, THEREFORE, IT IS ORDERED THAT PERMIT 20387 IS AMENDED TO READ:

1. The following additional point of diversion is included:

   Well SR4 - By California Coordinate System of 1983, Zone 5, North 2,406,723 feet and East 5,648,848 feet, being within SE¼ of SE¼ of Section 23, T27S, R8E, MDB&M.

2. The continuing authority condition, shall be updated to read as follows:

   Pursuant to California Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

   The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of Permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirement for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

   The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the Permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution article X, section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

   (0000012)

3. The water quality objectives condition, shall be updated to read as follows:

   The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Board if, after notice to the Permittee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or

and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.

(0000013)

4. Permit 20387 is amended to include the following Endangered Species condition:

This permit does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this water right, the Permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit.

(0000014)

5. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water Code section 1605.

(0000015)

6. All other conditions of Permit 20387 are still applicable.

STATE WATER RESOURCES CONTROL BOARD

James W. Kassel
for *Victoria A. Whitney*
Deputy Director for Water Rights

Dated: JUL 08 2009

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

AMENDED PERMIT 20387

Application **28158** of

Cambria Community Services District
P.O. Box 65
Cambria, CA 93428

filed on **June 8, 1984**, has been approved by the State Water Resources Control Board (State Water Board or Board) SUBJECT TO PRIOR RIGHTS and to the limitations and conditions of this permit.

Permittee is hereby authorized to divert and use water as follows:

1. Source of water

Source:	Tributary to:
Santa Rosa Creek Underflow	**Pacific Ocean**

within the County of **San Luis Obispo.**

2. Location of point of diversion (POD)

By California Coordinate System of 1983 in Zone **5**	40-acre subdivision of public land survey or projection thereof	Section	Township	Range	Base and Meridian
Well SR1 (27S8E-26D-1) **North 2,404,886 feet and** **East 5,644,083 feet**	**SW¼ of NW¼**	**26**	**27S**	**8E**	**MD**
Well SR2 **North 2,405,336 feet and** **East 5,645,583 feet**	**NE¼ of NW¼**	**26**	**27S**	**8E**	**MD**
Well SR3 (27S8E-26C5) **North 2,405,536 feet and** **East 5,645,583 feet**	**NE¼ of NW¼**	**26**	**27S**	**8E**	**MD**
Well SR4 **North 2,406,723 feet and** **East 5,648,848 feet**	**SE¼ of SE¼**	**23**	**27S**	**8E**	**MD**

3. Purpose of use	4. Place of use	Section	Township	Range	Base and Meridian	Acres
Municipal	**Within the boundaries of the Cambria Community Services District**		**27S-28S**	8E	**MD**	

The place of use is shown on map filed with the State Water Board.

5a. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed **2.67 cubic feet per second** to be diverted from **January 1 through December 31** of each year. The maximum amount diverted under this permit shall not exceed **260** acre-feet from May 1 through October 31 of each year nor shall it exceed 518 acre-feet per calendar year.

(0000005A)

6. The amount authorized for appropriation may be reduced in the license if investigation warrants.

(0000006)

7. Construction work and complete application of the water to the authorized use shall be prosecuted with reasonable diligence and completed by **December 31, 2010.**

(0000009)

8. During the season specified in this permit, the total quantity and rate of water diverted and used under this permit and under Permittee's claimed pre-1914 appropriative right for the place of use specified in the permit shall not exceed the quantity and rate of diversion and use specified in this permit. If the Permittee's claimed existing right is quantified at some later date as a result of an adjudication or other legally binding proceeding, the quantity and rate of diversion and use allowed under this permit shall be the net of the face value of the permit less the amounts of water available under the existing right.

Permittee shall forfeit all rights under this permit if Permittee transfers all or any part of the claimed existing right for the place of use covered by this permit to another place of use without the prior approval of the State Water Resources Control Board.

Permittee shall take and use water under the existing right claimed by Permittee only in accordance with law.

(0000021B)

9. The equivalent of the continuous flow allowance for any 7-day period may be diverted in a shorter time, provided there be no interference with other rights and instream beneficial uses; and provided further that all terms or conditions protecting instream beneficial uses be observed.

(0000027)

10. For the protection of water quality from increased salinity due to sea water intrusion in the lower subbasin of Santa Rosa Creek and for protection of instream resources, Permittee shall;

(a) Construct a monitoring well in the vicinity of well 21R3, suitable for water quality sampling and water level monitoring. The well shall be at a location approved by the Deputy Director for Water Rights and it shall be constructed within six months of the issuance of this permit.

(b) Measure the water level in the monitoring well, and analyze well water for electrical conductivity and chloride content on a monthly basis and on a weekly basis when the water level in Permittee's well SR 1 is below mean sea level. Monthly or weekly measurements of chloride content and electrical conductivity shall be submitted semi-annually to the Deputy Director for Water Rights. Following receipt of two years of measurements, the Deputy Director for Water Rights shall establish chloride concentration and electrical conductivity standards for regulation of District diversions.

(c) Follow water sampling protocol as approved by the Deputy Director for Water Rights and have water samples analyzed for electrical conductivity and chloride content in a laboratory certified by the State of California.

(d) Cease diversions under this permit if the water level in the monitoring well falls below 3.00 feet above mean sea level. The Deputy Director for Water Rights is authorized to adjust the water elevation requirement in the monitoring well, if appropriate, based upon his review of a hydrologic analysis to be submitted by the Permittee. Any such hydrologic analysis shall consider the depth to bedrock in the monitoring well and shall determine the fresh water elevation needed to prevent sea water intrusion. Any action by the Deputy Director for Water Rights to lower the monitoring well water elevation requirements must be accompanied by a finding that the Permittee has consulted with the California Department of Fish and Game regarding the tidewater goby (Eucyclogobius newberryi) and that lowering the monitoring well water elevation requirements would be in compliance with applicable provisions of state and federal law.

(0400500)
(0110500)

11. To prevent any significant ground deformation in the lower subbasin of Santa Rosa Creek from occurring due to diversion of water under this permit, Permittee shall:

(a) Develop and submit for approval by the Deputy Director for Water Rights a ground deformation monitoring program within six months of the issuance of this permit.

(b) Monitor for vertical ground deformation on a weekly basis when the static water level in well SR1 or SR3 falls below 15 feet below mean sea level.

(c) Cease diversions under this permit when vertical ground deformation exceeds the limit to be established in the ground deformation monitoring program.

(0400500)
(0490500)

12. This permit is specifically subject to the diversion of water from the lower subbasin wells of Lloyd and Faye Junge, Joyce Bretz, Tony Williams, Bruce Black, and Rancho Pacifica and their successors in interest under valid claim of riparian right.

At such time as Permittee is diverting water authorized under this permit and the water level in the Junge, Bretz, Williams, Black or Rancho Pacifica wells reaches a depth which renders the well unusable, Permittee shall:

(a) Deliver water from its point of diversion to the riparian place of use served by the well or;

(b) Take other action to provide an alternate supply of water as is mutually agreeable to the Permittee and Junge, Bretz, Williams, Black and Rancho Pacifica or their successors in interest.

Any water supplied for satisfaction of riparian rights shall not be considered as water appropriated under this permit.

In event that Permittee opts to deliver water to the riparian place of use of any of the above wells, the riparian diverter shall be liable for the estimated costs which the riparian would have incurred to pump water from the affected well. In the absence of an agreement between the parties relative to pumping costs, the costs shall be based on an average amount per acre-foot for pumping water from the affected well during the month in question over the prior three years. Permittee shall pay the cost of installing and maintaining any water conveyance facilities needed to deliver water to the riparian point of diversion or place of use.

(0280800)

13. For the maintenance of riparian vegetation, fish and aquatic resources, Permittee shall, at its option, take one of the following actions:

Option 1

Permittee shall operate and maintain on its own or through agreement with San Luis Obispo County, the Highway 1 gaging station or a replacement gaging station to be located downstream of the point of diversion as authorized in this permit.

Permittee shall limit diversion to:

(a) A maximum of 2.0 acre-feet per day from November 1 through April 30 when the average daily surface flow at the downstream gage is between 2.5 and 10.0 cubic feet per second;

(b) A Maximum of 1.4 acre-feet per day from November 1 through April 30 when the average daily surface flow at the downstream gage is less than 2.5 cubic feet per second.

The gage to be utilized under this option shall be capable of providing streamflow data on a real-time daily basis.

Option 2

Permittee shall use the Main Street gage for monitoring streamflow under this option. Permittee shall also operate and maintain on its own or through agreement with San Luis Obispo County, the Highway 1 gaging station for a minimum period of 36 months or until a good flow correlation between Highway 1 and Main Street gages can be established, taking into consideration all factors affecting flow.

The correlation data shall be submitted to the Deputy Director for Water Rights within six months following completion of the correlation analysis for a determination regarding its acceptability and need for an adjustment in the interim required flows at the Main Street gage as described below:

During the correlation period, Permittee shall limit diversion to:

(a) A maximum of 2.0 acre-feet per day from November 1 through April 30 when the average daily flow at the Main Street gage is between 3.5 and 11.0 cubic feet per second;

(b) A maximum of 1.4 acre-feet per day from November 1 through April 30 when the average daily flow at the Main Street gage is less than 3.5 cubic feet per second.

If at the end of the flow correlation period, the correlation data is inadequate for establishing appropriate flow requirements at the Main Street gage as determined by the Deputy Director for Water Rights, Permittee shall proceed with Option 1 of this permit condition.

(0140500)
(0100500)

14. Upon request of the Deputy Director for Water Rights, Permittee shall submit:

(a) Records of the average daily streamflow from the upper and lower gages on Santa Rosa Creek;

(b) Records of Permittee's daily water withdrawals from Santa Rosa Creek underflow.

(0100300)

15. Within six months of the issuance of this permit, Permittee shall initiate an instream flow study approved by the Department of Fish and Game, to determine:

(a) The critical riffle for steelhead in the reach of Santa Rosa Creek affected by the permittee's diversion,

(b) The volume of streamflow required to pass upstream and downstream migrating steelhead through the affected reach.

A report on the findings of the instream flow study shall be submitted to the Deputy Director for Water Rights within two years of the issuance of this permit or such further time as may be approved by the Deputy Director for Water Rights.

(0390500)

16. Permittee shall, until December 31, 1993, monitor the sandbar at the mouth of Santa Rosa Creek. Permittee shall record the week and the average daily flows at the Highway 1 gage during that week that the sandbar opens and closes. The sandbar will be considered open when there is a measurable continuous surface flow from Santa Rosa Creek to the ocean. By June 1, 1994, the Permittee shall submit a report of the monitoring records to the Deputy Director for Water Rights.

(0100700)

17. The State Water Board reserves jurisdiction over the permit for the following purposes:

(a) To reduce the amount of water authorized for appropriation if the U.S. Geological Survey investigation titled "Geohydrologic Study of Alluvial Stream Aquifer Systems in the Cambria-San Simeon Area, San Luis Obispo County, California", provide evidence that water is not normally available in the amount and season as authorized in this permit.

(b) To limit the permissible water table decline in Permittee's well field should diversion under this permit result in ground deformation and loss of storage capacity in the lower subbasin of Santa Rosa Creek.

(c) To modify, in the public interest, the terms and conditions of this permit, including imposition of requirements to alter project operation and to modify instream flow bypass terms in the event of unforeseen adverse impact to fish and aquatic resources.

Any action to reduce the amount of water authorized for appropriation or to modify the terms and conditions of this permit will be taken only after notice to interested parties and opportunity for hearing.

(000M001)

18. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water code section 1605.

(0000015)

ALL PERMITS ISSUED BY THE STATE WATER RESOURCES CONTROL BOARD ARE SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

A. The amount authorized for appropriation may be reduced in the license if investigation warrants.

(0000006)

B. Progress reports shall be submitted promptly by Permittee when requested by the State Water Resources Control Board (State Water Board) until a license is issued.

(0000010)

C. Permittee shall allow representatives of the State Water Board and other parties, as may be authorized from time to time by said State Water Board, reasonable access to project works to determine compliance with the terms of this permit.

(0000011)

D. Pursuant to California Water Code sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of Permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the Permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest; and is necessary to preserve or restore the uses protected by the public trust.

(0000012)

E. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Board if, after notice to the Permittee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the State Water Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.

(0000013)

F. This permit does not authorize any act that results in the taking of a threatened or endangered species or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050 - 2097) or the federal Endangered Species Act (16 U.S.C.A. §§ 1531 - 1544). If a "take" will result from any act authorized under this water right, the Permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit.

(0000014)

G. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water Code Section 1605.

(0000015)

H. No work shall commence and no water shall be diverted, stored or used under this permit until a copy of a stream or lake alteration agreement between the State Department of Fish and Game and the Permittee is filed with the Division of Water Rights. Compliance with the terms and conditions of the agreement is the responsibility of the Permittee. If a stream or lake agreement is not necessary for this permitted project, the Permittee shall provide the Division of Water Rights a copy of a waiver signed by the State Department of Fish and Game.

(0000063)

This permit is issued and Permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every Permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefore shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any Permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any Permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

STATE WATER RESOURCES CONTROL BOARD

for James W. Kassel
Victoria A. Whitney
Deputy Director for Water Rights

Dated: JUL 08 2009

APPENDIX E – SB X7-7 VERIFICATION FORM

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	**Parameter**	**Value**	**Units**
10- to 15-year baseline period	2008 total water deliveries	708	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period[1, 2]	10	Years
	Year beginning baseline period range	1997	
	Year ending baseline period range[3]	2006	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range[4]	2007	

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
☐	**1. Department of Finance** (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
☑	**2. Persons-per-Connection Method**
☐	**3. DWR Population Tool**
☐	**4. Other** DWR recommends pre-review
NOTES: 1997-2007 population values have been determined by interpolating between the 1990, 2000, and 2010 Cambria CDP population estimates of 5,382 in year 1990, a population of 6,232 in year 2000, and 6,032 in year 2010. Between 2000 and 2016 the population in Cambria has not grown due to a building moratorium and recession. There was minimal change in number of accounts between 2010 and 2015 (only one single family and two multifamily accounts were added due to lot changes and projects approved before the moratorium took effect). Therefore, the 2010 census population for Cambria CDP per the "Profile of General Population and Housing Characteristics: 2010" is assumed to be applicable to year 2015 population.	

SB X7-7 Table 3: Service Area Population		
Year		**Population**
10 to 15 Year Baseline Population		
Year 1	1997	5,977
Year 2	1998	6,062
Year 3	1999	6,147
Year 4	2000	6,232
Year 5	2001	6,212
Year 6	2002	6,192
Year 7	2003	6,172
Year 8	2004	6,152
Year 9	2005	6,132
Year 10	2006	6,112
5 Year Baseline Population		
Year 1	2003	6,172
Year 2	2004	6,152
Year 3	2005	6,132
Year 4	2006	6,112
Year 5	2007	6,092
2015 Compliance Year Population		
2015		6,032
NOTES: 1997-2007 population values have been determined by interpolating between the 1990, 2000, and 2010 Cambria CDP population estimates of 5,382 in year 1990, a population of 6,232 in year 2000, and 6,032 in year 2010. Between 2000 and 2016 the population in Cambria has not grown due to a building moratorium and recession. There was minimal change in number of accounts between 2010 and 2015 (only one single family and two multifamily accounts were added due to lot changes and projects approved before the moratorium took effect). Therefore, the 2010 census population for Cambria CDP per the "Profile of General Population and Housing Characteristics: 2010" is assumed to be applicable to year 2015 population.		

SB X7-7 Table 4: Annual Gross Water Use *								
Baseline Year *Fm SB X7-7 Table 3*		**Volume into Distribution System** *This column will remain blank until SB X7-7 Table 4-A is completed.*	**Deductions**					**Annual Gross Water Use**
			Exported Water	**Change in Dist. System Storage** (+/-)	**Indirect Recycled Water** *This column will remain blank until SB X7-7 Table 4-B is completed.*	**Water Delivered for Agricultural Use**	**Process Water** *This column will remain blank until SB X7-7 Table 4-D is completed.*	
10 to 15 Year Baseline - Gross Water Use								
Year 1	1997	786	-	-	-	-	-	786
Year 2	1998	707	-	-	-	-	-	707
Year 3	1999	775	-	-	-	-	-	775
Year 4	2000	799	-	-	-	-	-	799
Year 5	2001	798	-	-	-	-	-	798
Year 6	2002	809	-	-	-	-	-	809
Year 7	2003	793	-	-	-	-	-	793
Year 8	2004	773	-	-	-	-	-	773
Year 9	2005	741	-	-	-	-	-	741
Year 10	2006	746	-	-	-	-	-	746
10 - 15 year baseline average gross water use								**773**
5 Year Baseline - Gross Water Use								
Year 1	2003	793	-	-	-	-	-	793
Year 2	2004	773	-	-	-	-	-	773
Year 3	2005	741	-	-	-	-	-	741
Year 4	2006	746	-	-	-	-	-	746
Year 5	2007	748			-		-	748
5 year baseline average gross water use								**760**
2015 Compliance Year - Gross Water Use								
2015 (1)		467	-		41	-	-	**426**

NOTES: (1) CCWD pumped 467 acre-feet with existing production wells into the distribution system, including 41 acre-feet of indirect potable recycled water as noted in SB X7-7 Table 4-B.

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)
Complete one table for each source.

Name of Source	Groundwater			
This water source is:				
☑	The supplier's own water source			
☐	A purchased or imported source			
Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment* *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1997	786	-	786
Year 2	1998	707	-	707
Year 3	1999	775	-	775
Year 4	2000	799	-	799
Year 5	2001	798	-	798
Year 6	2002	809	-	809
Year 7	2003	793	-	793
Year 8	2004	773	-	773
Year 9	2005	741	-	741
Year 10	2006	746	-	746
5 Year Baseline - Water into Distribution System				
Year 1	2003	793	-	793
Year 2	2004	773	-	773
Year 3	2005	741	-	741
Year 4	2006	746	-	746
Year 5	2007	748	-	748
2015 Compliance Year - Water into Distribution System				
2015		467	-	467
NOTES: Groundwater supplies are from two aquifers: Santa Rosa Creek Aquifer and San Simeon Creek Aquifer.				

SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction *(For use only by agencies that are deducting indirect recycled water)*

Baseline Year *Fm SB X7-7 Table 3*		**Surface Reservoir Augmentation**					**Groundwater Recharge**			**Total Deductible Volume of Indirect Recycled Water Entering the Distribution System**
		Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility*	Transmission/ Treatment Losses	Recycled Volume Entering Distribution System from Groundwater Recharge	
10-15 Year Baseline - Indirect Recycled Water Use										
Year 1	1997	-		-	-	-	-	-	-	-
Year 2	1998	-	-	-	-	-	-	-	-	-
Year 3	1999	-	-	-	-	-	-	-	-	-
Year 4	2000	-	-	-	-	-	-	-	-	-
Year 5	2001	-	-	-	-	-	-	-	-	-
Year 6	2002	-	-	-	-	-	-	-	-	-
Year 7	2003	-	-	-	-	-	-	-	-	-
Year 8	2004	-	-	-	-	-	-	-	-	-
Year 9	2005	-	-	-	-	-	-	-	-	-
Year 10	2006	-	-	-	-	-	-	-	-	-
5 Year Baseline - Indirect Recycled Water Use										
Year 1	2003	-	-	-	-	-	-	-	-	-
Year 2	2004	-	-	-	-	-	-	-	-	-
Year 3	2005	-	-	-	-	-	-	-	-	-
Year 4	2006	-	-	-	-	-	-	-	-	-
Year 5	2007	-	-	-	-	-	-	-	-	-
2015 Compliance - Indirect Recycled Water Use										
2015 (1)		-	0%	-	-	-	69	28	41	41

NOTES: (1) During 2015, 69 acre-feet of product water was injected at the CCSD's San Simeon Creek potable well field from the CCSD's Sustainable Water Facility (a brackish water treatment facility that includes treated wastewater effluent in its raw water supply). Based on modeling estimates by the SWF's geo-hydrologist, approximately 60% of the re-injected water would enter the District's San Simeon Creek aquifer potable water wells, which equates to a net amount of 41 acre-ft. This 41 acre-feet volume is within the 467 acre-feet groundwater total. A 40% loss of this injected total is based on discussions with CDM Smith's Hydrogeologist, Mike Smith, which is the estimated loss of re-injected water that may travel underground into the creek underflow channel, or as recycle flow that could travel back to the facility's extraction well. In addition to the 69 acre-feet injected into the groundwater aquifer, another 7 acre-feet was provided as surface water to enhance and protect the San Simeon Creek lagoon.

200

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Annual Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1997	5,977	786	117
Year 2	1998	6,062	707	104
Year 3	1999	6,147	775	112
Year 4	2000	6,232	799	114
Year 5	2001	6,212	798	115
Year 6	2002	6,192	809	117
Year 7	2003	6,172	793	115
Year 8	2004	6,152	773	112
Year 9	2005	6,132	741	108
Year 10	2006	6,112	746	109
10-15 Year Average Baseline GPCD				**112**
5 Year Baseline GPCD				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use
Year 1	2003	6,172	793	115
Year 2	2004	6,152	773	112
Year 3	2005	6,132	741	108
Year 4	2006	6,112	746	109
Year 5	2007	6,092	748	110
5 Year Average Baseline GPCD				**111**
2015 Compliance Year GPCD				
2015		6,032	426	**63**

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	112
5 Year Baseline GPCD	111
2015 Compliance Year GPCD	63

SB X7-7 Table 7: 2020 Target Method *Select Only One*		
Target Method		Supporting Documentation
☐	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D *Contact DWR for these tables*
☑	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator

SB X7-7 Table 7-E: Target Method 3

Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
☐		North Coast	137	130
☐		North Lahontan	173	164
☐		Sacramento River	176	167
☐		San Francisco Bay	131	124
☐		San Joaquin River	174	165
☑	100%	Central Coast	123	117
☐		Tulare Lake	188	179
☐		South Lahontan	170	162
☐		South Coast	149	142
☐		Colorado River	211	200
Target *(If more than one region is selected, this value is calculated.)*				**117**

202

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD *From SB X7-7 Table 5*	Maximum 2020 Target[1]	Calculated 2020 Target[2]	**Confirmed 2020 Target**
111	105	117	**105**

[1]Maximum 2020 Target is 95% of the 5-Year Baseline GPCD.
[2]2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.

SB X7-7 Table 8: 2015 Interim Target GPCD		
Confirmed 2020 Target *Fm SB X7-7 Table 7-F*	10-15 year Baseline GPCD *Fm SB X7-7 Table 5*	**2015 Interim Target GPCD**
105	112	**109**

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments *(in GPCD)* Enter "0" if Adjustment Not Used: Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD *(Adjusted if applicable)*	**Did Supplier Achieve Targeted Reduction for 2015?**
63	109	-	-	-	-	63	63	**YES**

APPENDIX F – RWQCB WASTE DISCHARGE ORDER 01-100, DECEMBER 7, 2001

2001.12.12 CCSD RWQCB Waste Discharge Order

California Regional Water Quality Control Board
Central Coast Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov/~rwqcb3
81 Higuera Street, Suite 200, San Luis Obispo, California 93401-5411
Phone (805) 549-3147 • FAX (805) 543-0397

Gray Davis
Governor

December 12, 2001

RECEIVED
DEC 17 2001
CAMBRIA COMMUNITY SERVICES

Mr. Robert Gresens, General Manager
Cambria Community Services District
P.O. Box 65
Cambria, CA 93428

Dear Mr. Gresens:

RENEWAL OF WASTE DISCHARGE REQUIREMENTS FOR CAMBRIA COMMUNITY SERVICES DISTRICT WASTEWATER TREATMENT PLANT, ORDER NO. 01-100

Enclosed is a copy of Order No. 01-100, Waste Discharge Requirements for Cambria Community Services District Wastewater Treatment Plant. The order was adopted by the Board at its meeting on December 7, 2001.

If you have any questions or comments about the Waste Discharge Requirements or the associated Monitoring and Reporting Program., please call **Scott Phillips at (805) 549-3550** or Gerhardt Hubner at (805) 542-4647.

Sincerely,

Roger W. Briggs
Executive Officer

Enclosures

cc:

S:\WB\Coastal Watershed\Staff\-Scott-\Cambria\finalized order letter.doc

Brian Bode
5500 Heath Lane
Cambria, CA 93428

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
81 Higuera Street, Suite 200
San Luis Obispo, California 93401-5427

WASTE DISCHARGE REQUIREMENTS ORDER NO. 01-100

For

CAMBRIA COMMUNITY SERVICES DISTRICT WASTEWATER TREATMENT PLANT, SAN LUIS OBISPO COUNTY

The California Regional Water Quality Control Board, Central Coast Region, (hereafter Board) finds that:

SITE OWNER AND LOCATION

1. The Cambria Community Service District, (hereafter "Discharger") owns and operates a Wastewater Treatment Facility located at 5500 Heath Lane in Cambria, San Luis Obispo County (see Attachment A).

PURPOSE OF ORDER

2. The primary objectives of this updated Order are to: 1) regulate the discharge of treated wastewater to land, 2) update the Discharge Monitoring Program, and 3) bring the site into compliance with the Basin Plan and all applicable laws and regulations pertaining to this discharge.

SITE/FACILITY DESCRIPTION

3. **Design and Current Capacity:** The treatment system consists of flow equalization and grit removal facilities, two 0.5 MGD activated sludge treatment units (1.0 total treatment capacity), two 0.3 MG holding ponds and disinfection facilities. The Discharger is in the design phase of upgrading and expanding its treatment plant capacity. A diagram of the treatment facility processes is shown on Attachment B, included as part of this order.

4. **Discharge Type:** Effluent is pumped to the land disposal site and sludge is disposed at a private land disposal facility. The effluent land disposal site is located 2.5 miles north of the treatment plant and consists of 22 acres of spray disposal areas and an evaporation/percolation pond, shown on Attachment A1. The disposal site capacity is currently 1.5 mgd.

5. **Geology:** The surface soils below the land disposal site are generally sandy and silty clays, underlain by clays and impermeable bedrock of franciscan chert, volcanic rock and sandstone. Permeabilities generally decrease with depth and distance from surface waters.

6. **Groundwater:** Depth to ground water at the land disposal site is approximately 17 feet at the evaporation/percolation pond site and 9 feet at the spray area. However, depth to ground water is as little as 4 feet in low lying areas near San Simeon Creek. Ground water movement within the disposal area is generally towards San Simeon Creek, to the south-southwest. Cambria Community Services District's primary source of water supply is the San Simeon Creek well field, located approximately 2000 feet east (upgradient) of the disposal area.

7. Provision D.2 has been included requiring the discharger to take steps to ensure that degradation of the water supply does not occur. Maintenance of a minimum ground water level differential is necessary to protect the water supply well field from dissolved salts and nitrates in the wastewater discharge. The effluent limitation for total dissolved solids is based on maintaining the prescribed differential.

8. **Surface water:** Surface water in San Simeon Creek flows to the west approximately one mile to the Pacific Ocean. Van Gordon Creek flows south to the confluence with San Simeon Creek in the southwest corner of the disposal area.

9. **Storm water:** Currently, all storm water is directed away from the treatment facility. Storm water that comes into contact with the treatment process is collected and treated. The site is protected from flooding or washout from a 100-year flood event.

MONITORING & REPORTING PROGRAM

10. The requirements for monitoring and reporting are contained in the attached Monitoring and Reporting Program No. 01-100. Minor changes were made to the program from the previous Order. The Discharger is now required to monitor nitrogen and ammonia levels in effluent as well as groundwater elevation in all sampling wells.

BASIN PLAN

11. The Water Quality Control Plan, Central Coast Basin (Basin Plan) was adopted by the Board on November 19, 1989 and approved by the State Board on August 16, 1990. The Board approved amendments to the Basin Plan on February 11, 1994 and September 8, 1994. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.

12. Present and anticipated beneficial uses of groundwater in the vicinity of the discharge include:

    a. Municipal and Domestic Supply, and
    b. Agricultural Supply

13. Surface water quality objectives have not been included, since surface water discharge is prohibited by this Order.

14. Median Groundwater objectives for this Sub-basin are not specifically described in the Basin Plan. However groundwater sampling results indicate that salts and nitrates are increasing partially as a result of this discharge to land.

15. Historic values for the groundwater (as measured in supply wells) in this area are as follows:

Constituent	Concentration (mg/l)
Total Dissolved Solids	375
Sodium	21
Chloride	19

*New Santa Rosa supply well has much higher TDS (~750mg/l)

Effluent values of the same constituents are as follows:

Constituent	Concentration (mg/l)
Total Dissolved Solids	860*
Sodium	180
Chloride	253

*When using San Simeon supply water

Groundwater data also indicates a significant increase in salts between upgradient and downgradient* wells.

Constituent	Upgradient (mg/l)	Downgradient* (mg/l)
Total Dissolved Solids	373	767
Sodium	22	120
Chloride	21	173

*Downgradient wells are under periodic tidal influence and apparent increases are not solely from effluent discharge.

This order contains provisions to limit the impacts of salt at the Cambria CSD disposal field and plan for future salts management.

ENVIRONMENTAL ASSESSMENT

16. This action is intended to enforce the laws and regulations administered by the Board. As such, this action is categorically exempt from the provisions of the California Environmental Quality Act pursuant to Section 13389 of the

Water Code of the Resources Agency Guidelines.

EXISTING ORDERS AND GENERAL FINDINGS

17. This discharge has been subject to Waste Discharge Requirements contained in Order No. 93-24 adopted May 14, 1993.

18. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assure this and mitigate any potential adverse changes in water quality due to the discharge.

19. On July 25, 2001, the Board notified the Discharger and interested agencies and persons of its intent to issue waste discharge requirements for the discharge and has provided them with a copy of the proposed Order and an opportunity to submit written views and comments.

20. After considering all comments pertaining to this discharge during a public hearing on December 7, 2001, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Sections 13263 and 13267 of the California Water Code, the Cambria Community Services District, its agents, successors, and assigns, may discharge waste at the afore-described facility providing compliance is maintained with the following:

All technical and monitoring reports submitted pursuant to this Order are required pursuant to Section 13267 of the California Water Code. Failure to submit reports in accordance with schedules established by this Order, attachments to this Order, or failure to submit a report of sufficient technical quality to be acceptable to the Executive Officer, may subject the discharger to enforcement action pursuant to Section 13268 of the California Water Code. The Regional Board will base all enforcement actions on the date of Order adoption.

(Note: other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984. Applicable paragraphs are referenced in paragraph D.2. of this Order.)

Throughout these requirements footnotes are listed to indicate the source of requirements specified. Requirements footnotes are as follows:

BP	Basin Plan
Design	Design of Facility

Requirements not referenced are based on staff's best professional judgement

PROHIBITIONS

1. Discharge to any areas other than the evaporation/percolation pond and spray area shown on Attachment B is prohibited.

2. Discharger of any wastes including overflow bypass, and seepage from transport, treatment or disposal system to adjacent drainageways or properties is prohibited

A. DISCHARGE SPECIFICATIONS

General Specifications

1. Neither the treatment nor the discharge of waste shall create a pollution.

2. Contamination or nuisance, as defined by Section 13050 of the California Water Code (CWC). (H & S.C. Section 5411, CWC Section 13263).

3. Waste shall not be disposed of in any position where they can be carried from the disposal site and discharged into waters of the State or United States.

4. Discharge of uncontaminated storm waters to the treatment facilities is prohibited unless adequate capacity is available.

5. Bypass of the treatment facility and discharge of untreated or partially treated waste to the disposal site is prohibited.

6. Discharge shall be confined to the designated land discharge area as shown on Attachment B without overflow or bypass to adjacent properties or drainageways.

7. Daily flow, averaged over each month, shall not exceed 1.5 MGD^{Design}.

Effluent Limitations

1. Effluent discharged shall not exceed the following limits:

Constituent	Unit	30-Day Mean	Daily Instantaneous Maximum
Suspended Solids	mg/l	40	100
BOD_5 Soluble	mg/l	50	100
Total Dissolved Solids	mg/l	1000	1500
PH^{BP}	pH units		Between 6.5 and 8.4

Groundwater Limitations

1. The discharge shall not cause nitrate concentrations in the groundwater downgradient of the disposal area to exceed 10 mg/l (as N)^{BP}.

2. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying groundwaters, as determined by comparison samples collected from wells located upgradient and downgradient of the disposal area.

3. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Article 4 and 5 of the California Code of Regulations^{BP}.

Wastewater Quality

1. Effluent discharged to the percolation and evaporation ponds shall have a dissolved oxygen concentration greater than 2.0 mg/l.

System Operation

1. At least two feet of freeboard shall be maintained within the District controlled disposal ponds.

2. Discharge shall not cause the formation of vector habitat within treatment or disposal areas.

3. The public shall not have contact with inadequately treated wastewater as a result of treatment or disposal

4. The discharge shall not contain substances in concentrations, which are toxic to human, animal, aquatic or plant life operations.

Solids Control

5. All accumulated sludge, salts, or solid residues shall be disposed of in a manner approved by the Executive Officer.

6. Solids shall be tested as outlined in the attached Discharge Monitoring Program.

D. PROVISIONS

1. The Discharger shall maintain an ongoing salts management program with the intent of reducing mass loading of salt in treated effluent to a level that will ensure compliance with Basin Plan Objectives and not negatively impact beneficial uses of groundwater. Salt reduction measures should focus on all potential salt contributors to the collection system, including residential, commercial, and industrial dischargers. As part of the salts management program, the Discharger shall provide an annual evaluation of salt reduction efforts. This evaluation shall include, but not be limited to:

   a. Calculations of annual salt mass (lbs) discharged to the percolation ponds;
   b. Analysis of ground water monitoring results related to salt and nutrient (N) constituents;
   c. A summary of existing salt reduction measures;
   d. Recommendations and time schedules for implementation of any additional salt reduction measures; and
   e. The establishment or identification of a downgradient well which can reliably monitor influences from this discharge on groundwater.

   The first installment of this evaluation shall be submitted to this office by January 2003 with the annual report. The annual evaluation may be included as part of the annual monitoring report each year.

   1. Static ground water levels at well No. 3 (9P2) shall be maintained at or below those at production well No. 2 (SS4) at all times. Specifics are detailed in the Groundwater Monitoring section of M&RP No. 01-100.

   2. Order No. 93-24, "Waste Discharge Requirements for the Cambria Community Services District", adopted by the Board in May 14, 1993, is hereby rescinded.

   3. The Discharger shall comply with "Monitoring and Reporting Program No. 01-100", as specified by the Executive Officer and incorporated as part of this Order.

   4. The Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.

   5. The Discharger shall submit a written report by May 30, 2005, acceptable to the Executive Officer, addressing:

      a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,

      b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

      c. A summary of all violations of Waste Discharge Requirements, Order No. 01-100, which occurred since adoption of the order along with a description of the cause(s) and corrective action taken.

I, Roger W. Briggs, Executive Officer, do hereby certify that the foregoing is a full, complete, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on December 7, 2001.

Roger W. Briggs,
Executive Officer

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STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 01-100

For

CAMBRIA COMMUNITY SERVICES DISTRICT
SAN LUIS OBISPO COUNTY

OBJECTIVE AND PURPOSE OF MONITORING

This Monitoring and Reporting Program is designed to insure the compliance with the effluent limits specified by Order No. 01-100.

WATER SUPPLY MONITORING

Representative samples of the municipal water supply shall be collected and analyzed for the following:

Table A

Constituent/Parameter	Units	Type of Sample	Minimum Sampling and Analysis Frequency
Total Dissolved Solids	mg/l	grab	Quarterly (Jan/Apr/Jul/Oct)
Sodium	mg/l	grab	Quarterly (Jan/Apr/Jul/Oct
Chloride	mg/l	grab	Quarterly (Jan/Apr/Jul/Oct

INFLUENT MONITORING

Samples of the influent to the treatment plant shall be collected at the plant headworks and analyzed for the following constituents:

Table B

Constituent/Parameter	Units	Type of Sample	Minimum Sampling and Analysis Frequency
Daily Flow	mgd	metered	Daily
Maximum Flow	mgd	metered	Monthly
BOD, 5-day	mg/l	24-hr composite	Monthly
Suspended Solids	mg/l	24-hr composite	Monthly

EFFLUENT MONITORING

Representative samples of the effluent discharged to the disposal field shall be collected and analyzed for constituents in Table B below:

Table C

Constituent/Parameter	Units	Type of Sample	Minimum Sampling and Analysis Frequency
Daily Flow	MG	Metered	Daily
pH	pH units	Grab	Daily
Suspended Solids	mg/l	24-hr composite	5-day/week
BOD, 5-day	mg/l	24-hour Comp.	Monthly
Dissolved Oxygen	mg/l	Grab	Weekly
Total Dissolved Solids		24-hr composite	Quarterly (Jan/Apr/Jul/Oct)
Sodium	mg/l	24-hr composite	Quarterly
Total Ammonia (as N)	mg/l as N	Grab	Quarterly
Organic Nitrogen (as N)	mg/l	"	Quarterly
Nitrate (as N)	mg/l	"	Quarterly
Hardness	mg/l	24-hr composite	Quarterly

BIOSOLIDS MONITORING

The following information shall be submitted with the Annual Report as required by the Standard Provisions:

1) Annual sludge production in dry tons and percent solids.

2) A schematic diagram showing sludge handling facilities (e.g., digesters, lagoons, drying beds, and incinerators) and a solids flow diagram.

3) A narrative description of sludge dewatering and other treatment processes, including process parameters. For example, if sludge is digested, report average temperature and retention time of the digesters.

4) A description of disposal methods, including the following information related to the disposal methods used at the facility. If more than one method is used, include the percentage of annual sludge production disposed by each method.

   a) For landfill disposal include: 1) the Regional Board's Waste Discharge Requirements numbers that regulate the landfills used; 2) the present classifications of the landfills used; and 3) the names and locations of the facilities receiving sludge.

   b) For land application, include: 1) the location of the site(s); 2) the Regional Board's WDR numbers that regulate the site(s); 3) the application rate in lbs/acre/yr (specify wet or dry); and 4) subsequent uses of the land.

Table D

Constituent/Parameter	Units	Type of Sample	Minimum Sampling and Analysis Frequency
Quantity	Tons or yds^3	Measured	Measured during removal
Moisture Content	%	Grab	Monthly
Total Kjeldahl Nitrogen	mg/kg	Grab	Monthly
Ammonia (as N)	mg/kg	"	Monthly
Nitrate (as N)	mg/l	"	Monthly
Total Phosphorous	mg/l	"	Monthly
Arsenic	mg/kg	"	Annual
Antimony	mg/kg	"	Annual
Barium	mg/kg	"	Annual
Beryllium	mg/kg	"	Annual
Boron	mg/kg	"	Annual
Cadmium	mg/kg	"	Annual
Cobalt	mg/kg	"	Annual
Copper	mg/kg	"	Annual
Chromium, VI & Total	mg/kg	"	Annual
Lead	mg/kg	"	Annual
Mercury	mg/kg	"	Annual
Molybdenum	mg/kg	"	Annual
Nickel	mg/kg	"	Annual
Selenium	mg/kg	"	Annual
Silver	mg/kg	"	Annual
Thallium	mg/kg	"	Annual
Tin	mg/kg	"	Annual
Vanadium	mg/kg	"	Annual
Zinc	mg/kg	"	Annual

* Total sample (including all solids and any liquid portion) to be analyzed and results reported as mg/kg or µg/kg, as appropriate, based on the dry weight of the sample.

GROUND WATER MONITORING

Representative samples of ground water shall be collected from all designated monitoring wells (those shown on Attachment B and any additional wells necessary for downgradient characterization) and analyzed for the specified constituents:

Table E

Parameter	Units	Type of Sample	Minimum Sampling and Analysis Frequency
Depth to Groundwater & Groundwater Elevation	Feet	Measured	Semi-Annually (April and October)
Nitrate Nitrogen (as N)	mg/l	Grab	Semi-Annually

Total Dissolved Solids	mg/l	Grab	Semi-Annually
Sodium	mg/l	Grab	Semi-Annually
Chloride	mg/l	Grab	Semi-Annually
Sulfate	mg/l	Grab	Semi-Annually
Boron	mg/l	Grab	Semi-Annually
PH	pH Units	Grab	Semi-Annually

Table F

Well No.	Cambria CSD or WR Designation	Location Description (Refer to Attachmnet B)
1	SS3	Westernmost of three District water supply wells in Domestic Water Supply area.
2	SS4	Observation well on southeast bank of San Simeon Creek and east of Bonomi Ranch Discharge Area.
3	9P7	One of 4 older irrigation wells in approximate south-center of Bonomi Ranch Discharge Area
4	16DI*	A renovated well in southwestern corner of Bonomi Ranch Discharge Area near San Simeon Creek foot-bridge.
5	USGS well*	USGS well west of Bonomi Ranch

*Suspected tidal or other outside influence on downgradient wells shall be fully explained at the time of reporting. Unexplained constituent elevations it will be presumed a result of this discharge.

In addition, static water surface elevations shall be measured at Well No. 1 (SS3) and Well No. 2 (SS4), and Well No. 3 (9P2)** twice a month. Water surface elevations of 9P2 and SS4 shall be measured weekly when the water surface elevation of 9P2 is equal to or above that of SS4. All static water level measurements shall be made during periods when the District's well has been operated at peak operating pumping rates and wells within the disposal area and near 9P2 have not been operated within at least two hours. An annual summary of disposal area water surface elevations shall be submitted by July 20, of each year delineating the groundwater gradient between the spray disposal area and the San Simeon Creek well field.

**Static water surface elevations shall be measured at both wells 9P2 and 9P7 until the Discharger has adequately demonstrated 9P7 is an appropriate and comparable monitoring location for this requirement.

DISPOSAL AREA MONITORING

The spray disposal area shall be inspected twice (beginning and end of day shift) each day effluent is spray irrigated at the disposal area. The inspector shall specifically check for: irrigation system malfunctions (such as leaks or sprinkler malfunctions); ponded effluent; overflows to Van Gordon or San Simeon Creek; the presence of abnormal, or a change in, flow conditions of Van Gordon or San Simeon Creek; and a discharge from the evaporation/ percolation pond.

An inspection log shall be kept of spray area conditions, observations, problems noted, and corrective actions taken. A summary of the log shall be included with each month's monitoring reports.

A sample of each well extracting water from under the sprayfield shall be collected and analyzed for total coliform on a monthly basis.

GENERAL REPORTING

Monitoring reports shall include:

1. All data required by this monitoring program for the monitoring period.

2. A discussion of any non-compliance issues and corrective actions taken. All reports required in this monitoring and reporting program are required pursuant to Water Code § 13267.

Annual reports shall contain graphs of the laboratory analytical data for all ground water samples taken from each well. Each such graph shall plot the concentration of one or more waste constituents over time for a given monitoring well, at a scale appropriate to show trends or variations in water quality. The graphs shall plot each datum, rather than plotting mean values. For any given constituent or parameter, the scale for the background (upgradient) plots shall be the same as that used to plot downgradient data

REPORTING FREQUENCY

Monthly monitoring reports shall be submitted by the 30th day of each month following sampling. An annual report shall be submitted by January 30 each year.

This Monitoring and Reporting Program may be revised at any time during the permit term, as necessary, under the authority of the Executive Officer.

Ordered By _____
Roger W. Briggs, Executive Officer

12-13-01
Date

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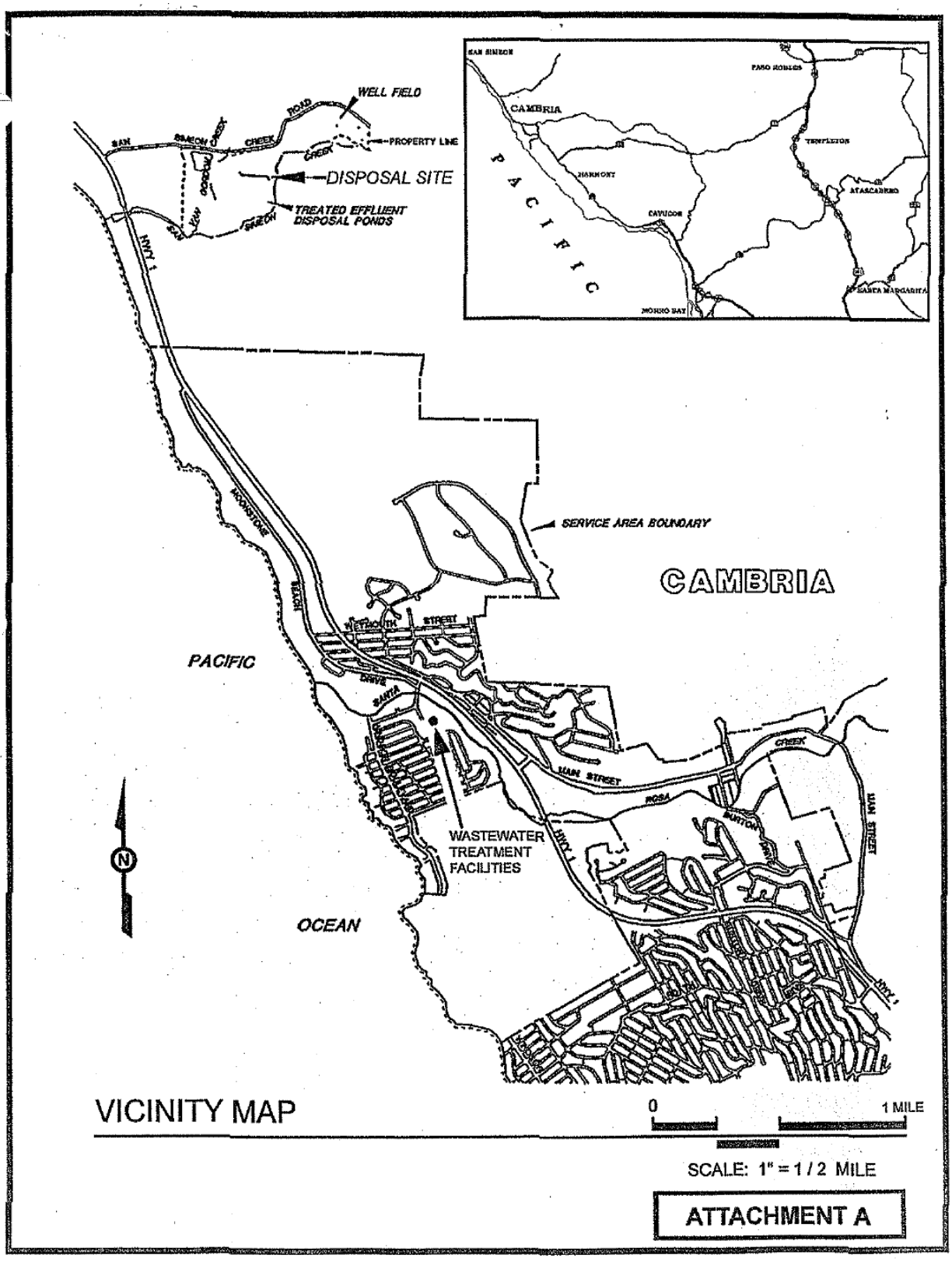
File:Cambria



VICINITY MAP

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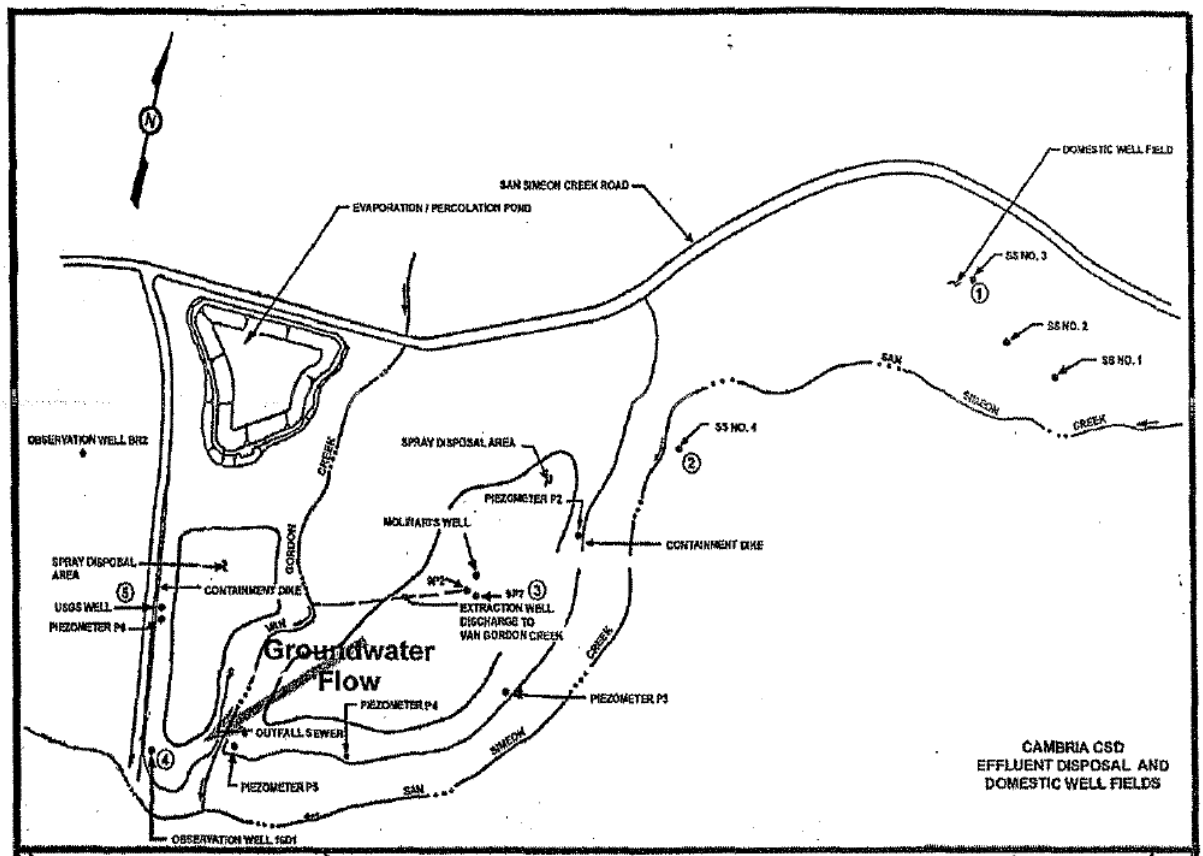
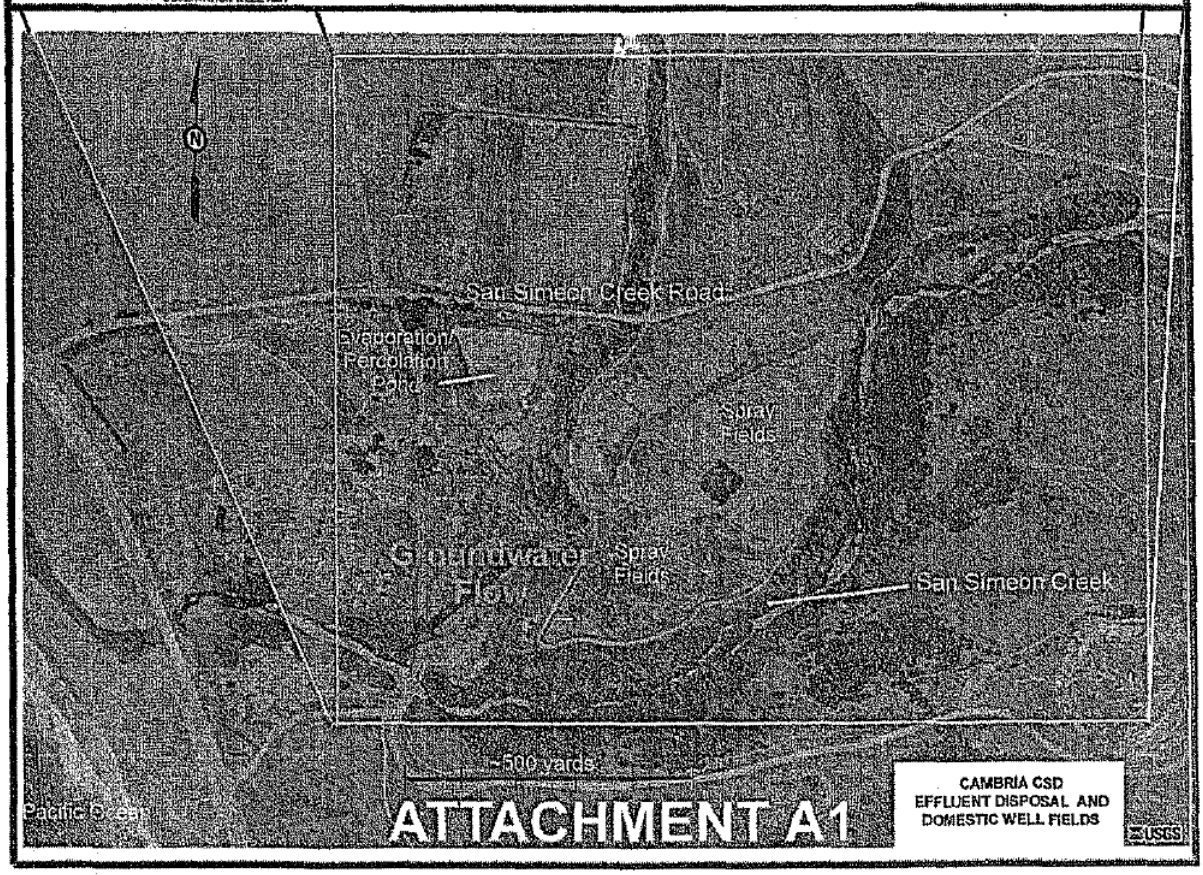
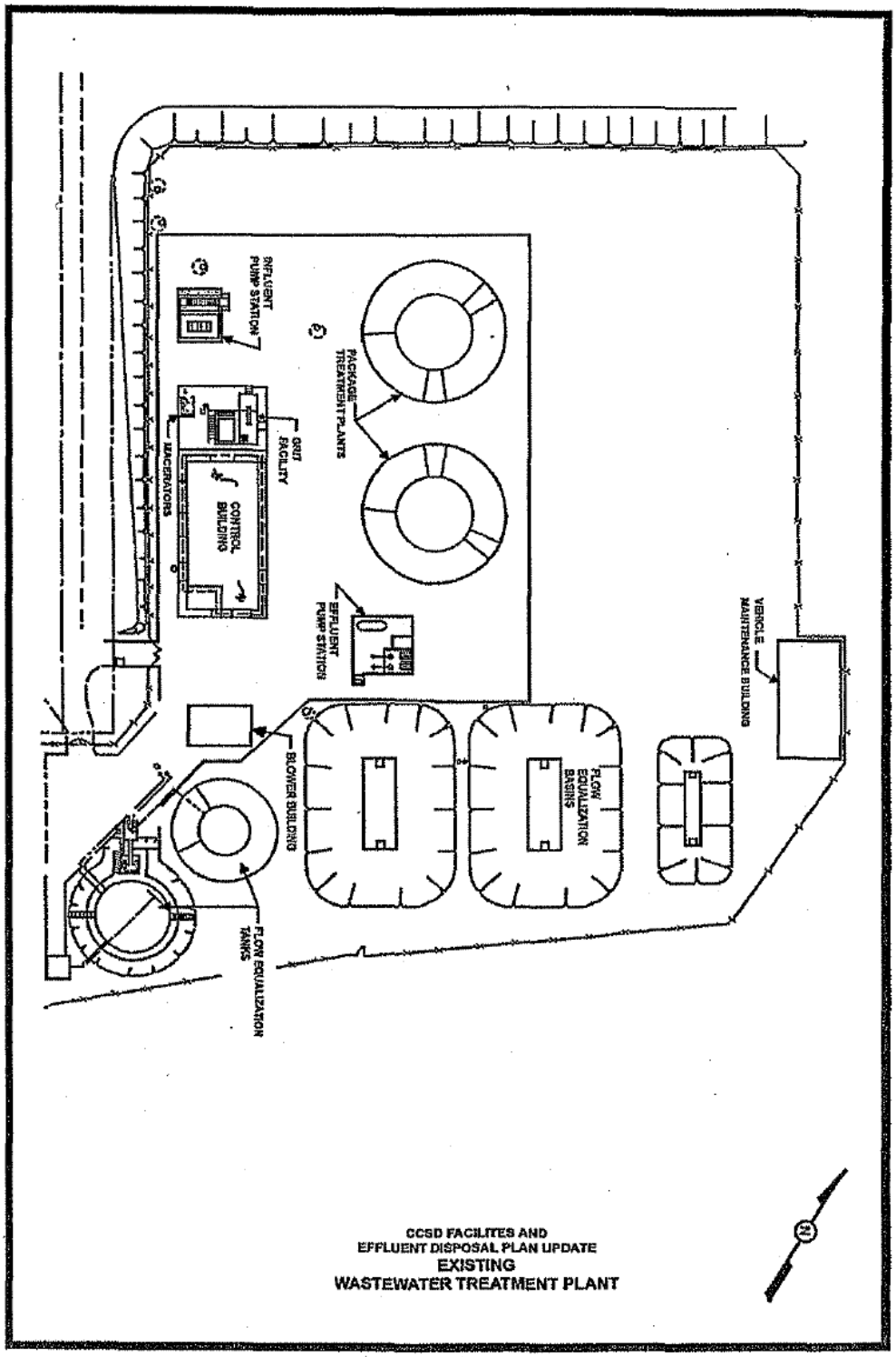

N
SAN SIMEON CREEK ROAD
EVAPORATION / PERCOLATION POND
DOMESTIC WELL FIELD
SS NO. 3
SS NO. 2
SS NO. 1
SS NO. 4
SAN SIMEON CREEK
OBSERVATION WELL BH2
SPRAY DISPOSAL AREA
PIEZOMETER P2
MOLINARI'S WELL
CONTAINMENT DIKE
GORDON CREEK
SPRAY DISPOSAL AREA
CONTAINMENT DIKE
USGS WELL
PIEZOMETER P6
EXTRACTION WELL DISCHARGE TO VAN GORDON CREEK
Groundwater Flow
PIEZOMETER P4
PIEZOMETER P3
OUTFALL SEWER
PIEZOMETER P5
OBSERVATION WELL 16D1
CAMBRIA CSD
EFFLUENT DISPOSAL AND
DOMESTIC WELL FIELDS


N
San Simeon Creek Road
Evaporation/ Percolation Pond
Spray Fields
Groundwater Flow
Spray Fields
San Simeon Creek
~500 yards
Pacific Ocean
ATTACHMENT A1
CAMBRIA CSD
EFFLUENT DISPOSAL AND
DOMESTIC WELL FIELDS
USGS



ATTACHMENT B

2007.11.05 RWQCB Permit Gradient Change

California Regional Water Quality Control Board
Central Coast Region

Linda S. Adams
Secretary for Environmental Protection

Internet Address: http://www.waterboards.ca.gov/centralcoast
895 Aerovista Place, Suite 101, San Luis Obispo, California 93401
Phone (805) 549-3147 • FAX (805) 543-0397

Arnold Schwarzenegger
Governor

0:FS
C:TAR
Bode
AM
MK

November 5, 2007

Bryan Bode
Assistant General Manager
Cambria Community Services District
P.O. Box 65
Cambria, CA 93428

RE: HYDRAULIC GRADIENT CLARIFICATION; CAMBRIA COMMUNITY SERVICES DISTRICT, SAN LUIS OBISPO COUNTY – WASTE DISCHARGE REQUIREMENTS ORDER NO. 01-100

Central Coast Water Board staff reviewed your October 1, 2007 letter regarding Modification of Discharge Requirements for Cambria CSD. Your letter requests clarification of the omitted and altered gradient requirements between the CSD effluent disposal fields and municipal well field per your existing and former orders, 01-100 and 93-24, respectively. We understand and agree that the CSD needs to maintain a hydraulic dam between the well field and the Pacific Ocean to minimize salt water intrusion and the flow of potable water to the ocean given the short supply of local water and the CSD's dependence on the existing well field. Historical groundwater data indicate management of the disposal fields to maintain a gradient of up to 0.9 feet between the well field and disposal area is needed to maximize potable water supplies while preventing any potential impacts to the well field from the discharged effluent. The current Order 01-100 requires a flat or negative gradient towards the disposal area which inhibits the CSD's ability to adequately manage its water supply via the hydraulic dam created by the effluent disposal area.

Our review of your letter and our files indicate the changes in hydraulic gradient requirements made to Order 01-100 are in error. Consequently, please apply the previous requirements of Order 93-24 which state:

> Disposal of wastes in a manner which causes static groundwater levels at well No. 3 (9P2) to be 0.9 feet or more higher than at well No. 2 (SS4), for more than three months during any dry season, or which causes degradation of water quality at the production well field, is prohibited.

We will incorporate this back into your waste discharge requirements during the next regular permit renewal.

If you have questions regarding this matter, please contact **Matthew Keeling at (805) 549-3685** or mkeeling@waterboards.ca.gov, or Harvey Packard at 805-542-4639.

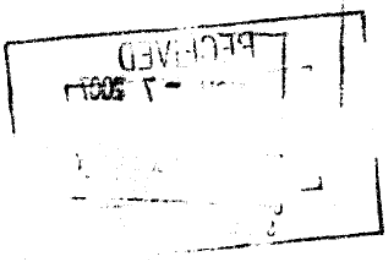
Sincerely,

Roger W. Briggs
Executive Officer

Paper File: Cambria Community Services District
Electronic File: S:\WDR\WDR Facilities\San Luis Obispo Co\Cambria WWTP\gradient103107.doc
Task Code: 12601

cc:

Tammy Rudock
General Manager
Cambria Community Services District
P.O. Box 65
Cambria, CA 93428



APPENDIX G – DEMAND & PASSIVE SAVINGS METHODOLOGY

Plumbing codes and appliance standards for toilets, urinals, faucets, clothes washers, and showerheads will continue to reduce indoor residential and non-residential water demands in the future. This reduction in demand is accounted for in Maddaus Water Management Decision Support System (DSS) Model. Background on the DSS Model as well as details on the method of determining plumbing code savings is presented in the following sections.

DSS Model Overview

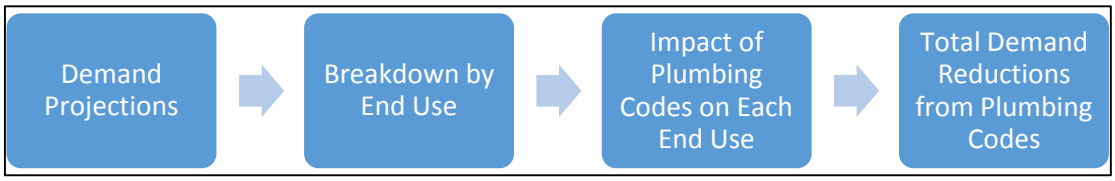
The DSS Model prepares long-range, detailed demand projections. The purpose of the extra detail is to enable a more accurate assessment of the impact of water efficiency programs on demand. A rigorous modeling approach is especially important if the project will be subject to regulatory or environmental review.

The DSS Model is an end-use model that breaks down total water production (water demand in the service area) to specific water end-uses. The model uses a bottom-up approach that allows for multiple criteria to be considered when estimating future demands, such as the effects of natural fixture replacement, plumbing codes, and conservation efforts. The DSS Model may also use a top-down approach with a utility prepared water demand forecast.

To forecast urban water demands using the DSS Model, customer demand data are obtained from the water agency being modeled. The demand data are reconciled with available demographic data to characterize the water usage for each customer category in terms of number of users per account and per capita water use. The data are further analyzed to approximate the split of indoor and outdoor water usage in each customer category. The indoor/outdoor water usage is further divided into typical end uses for each customer category. Published data on average per-capita indoor water use and average per-capita end use are combined with the number of water users to calibrate the volume of water allocated to specific end uses in each customer category. In other words, the DSS Model checks that social norms from end studies on water use behavior (e.g., for flushes per person per day) are not exceeded.

The DSS Model evaluates conservation measures using benefit cost analysis with the present value of the cost of water saved ($/Acre-Foot). Benefits are based on savings in water and wastewater facility operations and maintenance (O&M). The figure below illustrates the process for forecasting conservation water savings, including the impacts of fixture replacement due to plumbing codes and standards already in place.

The DSS Model has been used for practical applications of conservation planning in over 250 service areas representing 20 million people including extensive efforts nationally in California, Colorado, Hawaii, Idaho, Utah, Georgia, Florida, North Carolina, Tennessee, Oregon, Texas, Ohio, and internationally in Australia, New Zealand and Canada. The California Urban Water Conservation Council did a peer review and has endorsed the model since 2006. The model is offered to all of their members for use to estimate water demand, plumbing code and conservaiton program savings. For more information please see the CUWCC Website: https://www.cuwcc.org/Resources/Planning-Tools-and-Models?folderId=776&view=gridview&pageSize=10



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DSS Model Assumptions

The table below shows the key assumptions used in the DSS Model in determining projected demands with and without plumbing codes. The assumptions having the most dramatic effect on future demands are the natural replacement rate of fixtures, how residential or commercial future use is projected, and finally the percent of estimated real water losses.

Table G-1. List of Key Assumptions

Parameter	Model Input Value, Assumptions, and Key References				
Model Start Year	2016				
Water Demand Factor Year (Base Year)	2013				
Non-Revenue Water in Start Year	9.3%				
	This value is based on year 2013 NRW and can be found in the green NRW section of the DSS Model.				
Population Projection Source	San Luis Obispo growth management ordinance				
Base year Water Use Profile					
Customer Categories	**Start Year Accounts**	**Total Water Use Distribution**	**Demand Factors (gpd/acct)**	**Indoor Use %**	**Residential Indoor Water Use (GPCD)**
Single Family	3,379	65%	116	81%	63
Multifamily	134	3%	150	81%	45
Commercial	228	24%	634	77%	N/A
Other	22	2%	468	60%	N/A
Vacation Rentals	265	5%	119	87%	43
Total	4,028	100%	N/A	N/A	N/A
Residential End Uses	Key Reference: CA DWR Report "California Single Family Water Use Efficiency Study," (DeOreo, 2011 – Page 28, Figure 3: Comparison of household end-uses) and AWWA Research Foundation (AWWARF) Report "Residential End Uses of Water, Version 2 - 4309" (DeOreo, 2016). Table 2-A. Water Consumption by Water-Using Plumbing Products and Appliances - 1980-2012. PERC Phase 1 Report. Plumbing Efficiency Research Coalition. 2013. http://www.map-testing.com/content/info/menu/perc.html Model Input Values are found in the "End Uses" section of the DSS Model on the "Breakdown" worksheet.				
Non-Residential End Uses, %	Key Reference: AWWARF Report "Commercial and Institutional End Uses of Water" (Dziegielewski, 2000 – Appendix D: Details of Commercial and Industrial Assumptions, by End Use). Santa Clara Valley Water District Water Use Efficiency Unit. "SCVWD CII Water Use and Baseline Study." February 2008. Model Input Values are found in the "End Uses" section of the DSS Model on the "Breakdown" worksheet.				

Parameter	Model Input Value, Assumptions, and Key References
Efficiency Residential Fixture Current Installation Rates	U.S. Census, Housing age by type of dwelling plus natural replacement plus rebate program (if any). Key Reference: California Urban Water Conservation Council Potential Best Management Practice Report "High Efficiency Plumbing Fixtures – Toilets and Urinals" (Koeller, 2005 – Page 42, Table 8 and Table 9: Residential toilet installation rates in California). Key Reference: Consortium for Efficient Energy (www.cee1.org). Model Input Values are found in the "Codes and Standards" green section of the DSS Model by customer category fixtures.
Water Savings for Fixtures, gal/capita/day	Key Reference: AWWARF Report "Residential End Uses of Water, Version 2 - 4309" (DeOreo, 2016). Key Reference: CA DWR Report "California Single Family Water Use Efficiency Study" (DeOreo, 2011 – Page 28, Figure 3: Comparison of household end-uses). WCWCD supplied data on costs and savings; professional judgment was made where no published data was available. Key Reference: California Energy Commission, Staff Analysis of Toilets, Urinals and Faucets, Report # CEC-400-2014-007-SD, 2014. Model Input Values are found in the "Codes and Standards" green section on the "Fixtures" worksheet of the DSS Model.
Non-Residential Fixture Efficiency Current Installation Rates	Key Reference: 2010 U.S. Census, Housing age by type of dwelling plus natural replacement plus rebate program (if any). Assume commercial establishments built at same rate as housing, plus natural replacement. California Energy Commission, Staff Analysis of Toilets, Urinals and Faucets, Report # CEC-400-2014-007-SD, 2014. Santa Clara Valley Water District Water Use Efficiency Unit. "SCVWD CII Water Use and Baseline Study." February 2008. Model Input Values are found in the "Codes and Standards" green section of the DSS Model by customer category fixtures.
Residential Frequency of Use Data, Toilets, Showers, Faucets, Washers, Uses/user/day	Key Reference: AWWARF Report "Residential End Uses of Water, Version 2 - 4309" (DeOreo, 2016). Summary values of the report can be found in the following presentation: http://watersmartinnovations.com/documents/pdf/2014/sessions/2014-T-1458.pdf Key Reference: California Energy Commission, Staff Analysis of Toilets, Urinals and Faucets, Report # CEC-400-2014-007-SD, 2014. Key Reference: Alliance for Water Efficiency, The Status of Legislation, Regulation, Codes & Standards on Indoor Plumbing Water Efficiency, January 2016. Model Input Values are found in the "Codes and Standards" green section on the "Fixtures" worksheet of the DSS Model and confirmed in each "Service Area Calibration End Use" worksheet by customer category.

Parameter	Model Input Value, Assumptions, and Key References
Non-Residential Frequency of Use Data, Toilets, Urinals, and Faucets, Uses/user/day	Key References: Estimated based on AWWARF Report "Commercial and Institutional End Uses of Water" (Dziegielewski, 2000 – Appendix D: Details of Commercial and Industrial Assumptions, by End Use). Key Reference: California Energy Commission, Staff Analysis of Toilets, Urinals and Faucets, Report # CEC-400-2014-007-SD, 2014. Based on three studies of office buildings in which the numbers varied from 2.0 to 3.45 toilet flushes per employee per day: Darell Rogers cited in Schultz Communications (1999); Konen Plumbing Engineer July/August 1986); and Eva Opitz cited in PMCL (1996). Fixture uses over a 5-day work week are prorated to 7 days. Non-residential 0.5gpm faucet standards per Table 2-A. Water Consumption by Water-Using Plumbing Products and Appliances - 1980-2012. PERC Phase 1 Report. Plumbing Efficiency Research Coalition. 2013. http://www.map-testing.com/content/info/menu/perc.html Model Input Values are found in the "Codes and Standards" green section on the "Fixtures" worksheet of the DSS Model, and confirmed in each "Service Area Calibration End Use" worksheet by customer category.
Natural Replacement Rate of Fixtures (% per year)	Residential Toilets 2% (1.28 gpf and lower), 3% (1.6 gpf toilets), 4% (3.5 gpf and higher toilets)
	Non-Residential Toilets 2% (1.6 gpf and lower), 3% (3.5 gpf and higher toilets)
	Residential Showers 4% (corresponds to 25-year life of a new fixture)
	Residential Clothes Washers 10% (based on 10-year washer life). Key References: "Residential End Uses of Water" (DeOreo, 2016) and "Bern Clothes Washer Study, Final Report" (Oak Ridge National Laboratory, 1998).
	Residential Faucets 10% and Non-Residential Faucets 6.7% (every 15 years). CEC uses an average life of 10 years for faucet accessories (aerators). A similar assumption can be made for public lavatories, though no hard data exists and since CII fixtures are typically replaced less frequently than residential, 15 years is assumed. CEC, Analysis of Standards Proposal for Residential Faucets and Faucet Accessories, a report prepared under CEC's Codes and Standards Enhancement Initiative, Docket #12-AAER-2C, August 6, 2013.
	Model Input Value is found in the "Codes and Standards" green section on the "Fixtures" worksheet of the DSS Model.
Residential Future Water Use	Increases Based on Population Growth and Demographic Forecast
Non-Residential Future Water Use	Increases Based on Employment Growth and Demographic Forecast

The DSS Model forecasts service area water fixture use. In the codes and standards part of the DSS Model, specific fixture end use type (point of use fixture or appliance), average water use, and lifetime are compiled. Additionally, state and national plumbing codes and appliance standards for toilets, urinals, showers, and clothes washers are modeled by customer category. These fixtures and plumbing codes can be added to, edited, or deleted by the user. This yields two demand forecasts: 1) with plumbing codes, and 2) without plumbing codes.

Plumbing code measures are independent of any conservation program; they are based on customers following applicable current local, state and federal laws, building codes, and ordinances.

Plumbing Codes and Legislation

The DSS Model incorporates the following items as a "code" meaning that the savings are assumed to occur and are therefore "passive" savings.

- National Plumbing Code
- CALGreen
- AB 715
- AB 407
- CA Code of Regulations Title 20 Sections 1601-1608 2015 Appliance Efficiency Rulemaking New Standards
- Cambria ordinance

National Plumbing Code

The Federal Energy Policy Act of 1992, as amended in 2005, mandates that only fixtures meeting the following standards can be installed in new buildings:

- Toilet – 1.6 gal/flush maximum
- Urinals – 1.0 gal/flush maximum
- Showerhead – 2.5 gal/min at 80 psi
- Residential faucets – 2.2 gal/min at 60 psi
- Public restroom faucets – 0.5 gal/min at 60 psi
- Dishwashing pre-rinse spray valves – 1.6 gal/min at 60 psi

Replacement of fixtures in existing buildings is also governed by the Federal Energy Policy Act, which mandates that only devices with the specified level of efficiency (as shown above) can be sold as of 2006. The net result of the plumbing code is that new buildings will have more efficient fixtures and old inefficient fixtures will slowly be replaced with new, more efficient models. The national plumbing code is an important piece of legislation and must be carefully taken into consideration when analyzing the overall water efficiency of a service area.

In addition to the plumbing code, the U.S. Department of Energy regulates appliances, such as residential clothes washers, further reducing indoor water demands. Regulations to make these appliances more energy efficient have driven manufactures to dramatically reduce the amount of water these machines use. Generally, front loading washing machines use 30-50% less water than conventional models (which are still available). In a typical analysis, the DSS Model forecasts a gradual transition to high efficiency clothes washers (using 12 gallons or less) so that by the year 2025 that will be the only type of machines available for purchase. In addition to the industry becoming more efficient, rebate programs for washers have been successful in encouraging customers to buy more water efficient models. Given that machines last about 10 years, eventually all machines on the market will be the more water efficient models. Energy Star washing machines have a water factor (WF) of 6.0 or less - the equivalent of using 3.1 cubic feet (or 23.2 gallons) of water per load. The maximum water factor for residential clothes washers under current federal standards is 9.5. The water factor equals the number of gallons used per cycle per cubic foot of capacity. Prior to year 2000, the water factor for a typical new residential clothes washer was about 12. In March 2015, the federal standard reduced the maximum water factor for top- and front-loading machines to 8.4 and 4.7, respectively. In 2018, the maximum water factor for top-loading machines will be further reduced to 6.5. For commercial washers, the maximum water factors were reduced in 2010 to 8.5 and 5.5 for top- and front-loading machines, respectively. Beginning in 2015, the maximum water factor for Energy Star certified washers was 3.7 for front-loading and 4.3 for top-loading machines. In 2011, the Environmental Protection Agency (EPA) estimated that Energy Star washers comprised more that 60% of the residential market and 30% of the commercial market (Energy Star 2011). A new Energy Star compliant washer uses about two-thirds less water per cycle than washers manufactured in the 1990s.

State Building Code – 2010 CALGreen

The 2010 CALGreen requirements effect all new development in the State of California after January 1, 2011. The new development requirements under CALGreen are listed in the following figure. The DSS Model includes the CALGreen requirements that effect all new development in the State of California after January 1, 2011. The DSS Model modeled water savings from the CALGreen building code by adding Multi-family and Commercial customer categories as appropriate to applicable conservation measures.

Table G-2. 2010 CALGreen Building Code Summary Table

2010 CALGreen Building Code						
Building Class	**Component**	**Effective Date***	**Indoor Fixtures Included**	**Indoor Requirement**	**Landscaping & Irrigation Requirements**	**Are the Requirements Mandatory?**
Residential	Indoor	1/1/2011	Toilets, Showers, Lavatory & Kitchen Faucets, Urinals	Achieve 20% savings overall below baseline		Yes
	Outdoor	1/1/2011			Provide weather adjusting controllers	Yes
Non Residential	Indoor	1/1/2011	Submeter leased spaces	Only if building >50,000 sq. ft. & if leased space use >100 gallons per day		Yes
			Toilets, Showers, Lavatory & Kitchen Faucets, Wash Fountains, Metering Faucets, Urinals	Achieve 20% savings overall below baseline		Yes
	Outdoor	1/1/2011			Provide water budget	> 1,000 sq. ft. landscaped area
					Separate meter	As per Local or DWR ordinance
					Prescriptive landscaping requirements	> 1,000 sq. ft. landscaped area
					Weather adjusting irrigation controller	Yes

* Effective date is 7/1/2011 for toilets.

State Plumbing Code – AB 715

Plumbing codes for toilets, urinals, showerheads, and faucets were initially adopted by California in 1991, mandating the sale and use of ultra-low flush 1.6 gallon per flush (gpf) toilets (ULFTs), 1 gpf urinals, and low-flow showerheads and faucets. California Code of Regulations Title 20 California State Law (AB 715) required High Efficiency Toilets and High Efficiency Urinals be exclusively sold in the state by 2014. Effective January 1, 2014, Assembly Bill (AB) 715 (enacted in

2007) required that toilets and urinals sold and installed in California cannot have flush ratings exceeding 1.28 and 0.5 gallons per flush, respectively.

California State Law – SB 407

SB 407 addresses plumbing fixture retrofits on resale or remodel. The DSS Model carefully takes into account the overlap with SB 407, the plumbing code (natural replacement), CALGreen, AB 715 and rebate programs (such as toilet rebates). SB 407 (enacted in 2009) requires that properties built prior to 1994 be fully retrofitted with water conserving fixtures by the year 2017 for single-family residential houses and 2019 for multifamily and commercial properties. SB 407 program length is variable and continues until all the older high flush toilets have been replaced the service area. The number of accounts with high flow fixtures is tracked to make sure that the situation of replacing more high flow fixtures than actually exist does not occur. SB 837 (enacted in 2011) requires that sellers of real property disclose on their Real Estate Transfer Disclosure Statement whether their property complies with these requirements. Additionally, SB 407 conditions issuance of building permits for major improvements and renovations upon retrofit of non-compliant plumbing fixtures. Each of these laws is intended to accelerate the replacement of older, low efficiency plumbing fixtures, and ensure that only high-efficiency fixtures are installed in new residential and commercial buildings.

2015 CALGreen and 2015 CA Code of Regulations Title 20 Appliance Efficiency Regulations

Fixture characteristics in the DSS Model are tracked in new accounts, which are subject to the requirements of the 2015 California Green Building Code and 2015 California Code of Regulations Title 20 Appliance Efficiency Regulations adopted by the California Energy Commission (CEC) on September 1, 2015. The CEC 2015 appliance efficiency standards applies to the following new appliances, if they are sold in California: showerheads, lavatory faucets, kitchen faucets, metering faucets, replacement aerators, wash fountains, tub spout diverters, public lavatory faucets, commercial pre-rinse spray valves, urinals, and toilets. The DSS Model accounts for plumbing code savings due to these standards effects on showerheads, faucets and aerators, urinals, and toilets.

- Showerheads: July 2016: 2.0 gpm; July 2018: 1.8 gpm
- Wall Mounted Urinals: 2016: 0.125 (pint) gpf
- Lavatory Faucets and Aerator: July 2016: 1.2 gpm at 60 psi
- Kitchen Faucets and Aerator: July 2016: 1.8 gpm with optional temporary flow of 2.2 gpm at 60 psi
- Public Lavatory Faucets: July 2016: 0.5 gpm at 60 psi

In summary, the controlling law for **toilets** is Assembly Bill (AB) 715. This bill requires high efficiency toilets (1.28 gpf) to be exclusively sold in California beginning January 1, 2014. The controlling law for wall-mounted urinals is the 2015 CEC efficiency regulations requiring that ultra-high efficiency pint **urinals** (0.125 gpf) be exclusively sold in California beginning January 1, 2016. This is an efficiency progression for urinals from AB 715's requirement of high-efficiency (0.5 gpf) urinals starting in 2014.

Standards for **residential clothes washers** fall under the regulations of the U.S. Department of Energy. In March 2015, the federal standard reduced the maximum water factor for non-Energy Star certified top- and front-loading washing machines to 8.4 and 4.7, respectively. In 2018, the maximum water factor for standard top-loading machines will be further reduced to 6.5.

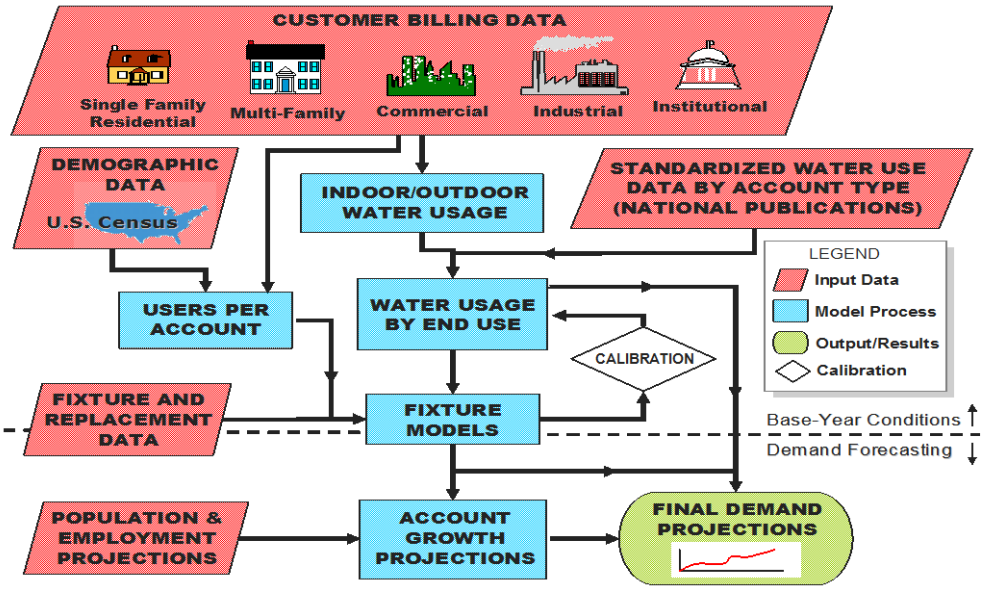
Showerhead flow rates are newly regulated under the 2015 California Code of Regulations Title 20 Appliance Efficiency Regulations adopted by the CEC, which requires the exclusive sale in California of 2.0 gpm showerheads at 80 psi as of July 1, 2016 and 1.8 gpm showerheads at 80 psi as of July 1, 2018. The WaterSense specification applies to showerheads that have a maximum flow rate of 2.0 gallons per minute (gpm) or less. This represents a 20% reduction in showerhead flow rate over the current federal standard of 2.5 gpm, as specified by the Energy Policy Act of 1992. The CCSD further reduced the showerhead flow rate to 1.5 gpm maximum during 2013, while also requiring a shut off valve on each showerhead.

Faucet flow rates have likewise been recently regulated by the 2015 CEC Title 20 regulations. This standard requires that the residential faucets and aerators manufactured on or after July 1, 2016 be exclusively sold in California at 1.2 gpm at 60 psi; and public lavatory and kitchen faucet/aerators sold or offered for sale on or after July 1, 2016 be 0.5 gpm at 60 psi, and 1.8 gpm at 60 psi (with optional temporary flow of 2.2 gpm), respectively. Previously, all faucets had been regulated by the 2010 California Green Building Code at 2.2 gpm at 60 psi.

Plumbing code related water savings are considered reliable, long-term savings, and can be counted on over time to help reduce overall system water demand. The demand projections including plumbing code savings further assumes no active involvement by the water utility, and that the costs of purchasing and installing replacement equipment (and new equipment in new construction) are borne solely by the customers, occurring at no direct utility expense. The inverse of the Fixture Life is the natural replacement rate, expressed as a percent (i.e., 10 years is a rate of 10% per year).

The following figure conceptually describes how plumbing codes are incorporated into the flow of information in the DSS Model.

Figure G-1. DSS Model Overview Used to Make Potable Water Demand Projections



DSS Model Fixture Replacement

The DSS Model is capable of modeling multiple types of fixtures, including fixtures with slightly different design standards. For example, currently toilets can be purchased that flush at a rate of 0.8 gallons per flush (gpf), 1.0 gallon per flush or 1.28 gallons per flush. The 1.6 gpf and higher gallons per flush toilets still exist but can no longer be purchased in California. Therefore, they cannot be used for replacement or new installation of a toilet. So, the DSS Model utilizes a fixture replacement table to decide what type of fixture should be installed when a fixture is replaced or a new fixture is installed. The replacement of the fixtures is listed as a percentage, as shown in the following figure. A value of 100% would indicate that all the toilets sold would be of one particular flush volume. A value of 75% means that three out of every four toilets installed would be of that particular flush volume type. The DSS Model contains a pair of replacement tables for each fixture type and customer category combination (i.e., Residential Single Family toilets, Residential Multifamily toilets, Commercial toilets, Residential clothes washing machines, Commercial washing machines, etc.).

In the following example, the DSS Model includes the effects of the Federal Policy Act and AB 715 on each toilet fixture type. This DSS Model feature determines the “saturation” of 1.6 gpf toilets as the Federal Policy Act was in effect from 1992-2014 for 1.6 gpf toilet replacements.

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Figure G-2. Example Toilet Replacement Percentages by Type of Toilet

Replacement Appliance Market Shares					
Year	<1.0 gpf Toilet Residential	1.28 gpf HET Residential	1.6 gpf ULFT Residential	High Use Toilet Residential	Total
2015	0%	100%	0%	0%	100%
2020	10%	90%	0%	0%	100%
2025	25%	75%	0%	0%	100%
2030	35%	65%	0%	0%	100%
2045	50%	50%	0%	0%	100%
New Appliance Market Shares					
Year	<1.0 gpf Toilet Residential	1.28 gpf HET Residential	1.6 gpf ULFT Residential	High Use Toilet Residential	Total
2015	0%	100%	0%	0%	100%
2020	10%	90%	0%	0%	100%
2025	25%	75%	0%	0%	100%
2030	35%	65%	0%	0%	100%
2045	50%	50%	0%	0%	100%

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APPENDIX H – CCSD GROUNDWATER MANAGEMENT PLAN

Due to the length of the Cambria Community Services District Groundwater Management Plan, it is included as a separate document.

APPENDIX I – CCSD TASK 3: RECYCLED WATER DISTRIBUTION SYSTEM MASTER PLAN

Due to the length of the Cambria Community Services District Task 3: Recycled Water Distribution System Master Plan, it is included as a separate document.

APPENDIX J – CCSD CODE TITLE 4 WATER SYSTEMS

CCSD Municipal Code

Title 4 Water Systems

Chapter 4.08 - WASTE OF WATER

Sections:

4.08.010 - Purpose.

It is the purpose and intent of this chapter to eliminate waste of potable water at all times within the district boundaries, and to encourage the development and use of nonpotable water sources for irrigation, construction and other lawful purposes consistent with protection of public health and safety.

(Ord. 4-2000 § 3)

4.08.020 - Prohibition on waste.

No water user shall waste any water supplied through the distribution facilities of this district. This prohibition on waste and the requirements of this chapter shall remain in effect at all times, notwithstanding activation or cessation of any or all water conservation programs as set forth in Chapter 4.12.

(Ord. 4-2000 § 4)

4.08.030 - Definitions.

A. The definitions contained in Chapter 4.04, as amended, shall be used for interpreting this chapter. The following definitions are for specific application to this chapter:

B. The following uses of water constitute "waste" as used in this chapter:

1. The watering of grass, lawns, ground-cover, shrubbery, open ground, crops and trees herein after collectively called "landscape or other irrigation," in a manner or to an extent which allows excess water to run-off the area being watered. Every water user is deemed to have under his or her control at all times his or her water distribution lines and facilities and to know the manner and extent of his or her water use and excess run-off;

2. The watering of grass, lawns, ground-cover, shrubbery, open ground, crops or trees or other irrigation within any portion of the district in violation of the following schedule and procedures:

a. Watering shall be accomplished with a person in attendance;

b. Watering shall not take place between the hours of ten a.m. and six p.m.; and

c. Watering shall be limited to the amount of water necessary to maintain landscaping.

3. The washing of sidewalks, walkways, driveways, parking lots, windows, buildings and all other hard-surfaced areas by direct hosing;

4. The escape of water through breaks or leaks within the water user's plumbing or distribution system for any substantial period of time within which such break or leak should reasonably have been discovered and corrected. Water must be shut off within two hours after the water user discovers such leak or break, or receives notice from the district of such leak or break, which ever occurs first. Such leak or break shall be corrected within an additional six hours;

5. The serving of water to customers by any eating establishment except when specifically requested;

6. Except as approved in advance in writing by the general manager of the district, the use of water by governmental entities or agencies for: (1) routine water system flushing for normal maintenance, (2) routine sewer system flushing for normal maintenance, and (3) fire personnel training;

7. Washing vehicles by use of an unrestrained hose. Use of a bucket for washing a vehicle and rinsing with a hose with a shutoff at the point of release is permitted subject to non-wasteful applications. Vehicle is defined as any mechanized form of transportation including, but not limited to, passenger cars, trucks, recreational vehicles (RVs), campers, all terrain vehicles (ATVs), motorcycles, boats, jet skis, and off-road vehicles;

8. Use of potable water from the district's water supply system for compacting or dust control purposes;

9. Using unmetered water from any fire hydrant, except as required for fire suppression;

10. It is unlawful for any consumer to remove, replace, alter or damage any water meter or components thereof.

C. The terms water user, water user account, service account, water customer, applicant, and consumer used herein shall apply to every person, firm, partnership, association, corporation, city, county, state or local agency, political subdivision, district, or entity of every kind receiving water services from the district. All water customers whose names are shown on district's account records shall be equally responsible and liable for water use by tenants, lessees, co-owners, and all other persons utilizing water on the premises through the account.

(Ord. 4-2000 § 5)

4.08.040 - Enforcement.

The general manager or his or her designee shall be the officer primarily charged with enforcement of this chapter.

(Ord. 4-2000 § 6)

4.08.050 - Violations prohibition on waste.

Violations of the provisions prohibition on waste, shall be subject to the following:

A. First Violation. Except as provided below, for a first violation, the district shall issue a written notice of violation and impose a fine of fifty dollars ($50.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

The first violation of either Section 4.08.030(B)(7) (unauthorized use of fire hydrants) or Section 4.08.030(B)(10) (tampering with water meters) is subject to a fine of five hundred dollars ($500.00). Subsequent violations of either section are subject to subsection D of this section.

B. Second Violation. A second violation of this chapter within a twelve (12)-month period is subject to a fine of one hundred fifty dollars ($150.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

C. Third Violation. A third violation of this chapter within a twelve (12)-month period is subject to a fine of two hundred fifty dollars ($250.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

D. Subsequent Violations. Subsequent violations of this chapter within a twelve (12)-month period are subject to a fine of one thousand dollars ($1,000.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

E. Failure to Pay Fines. The district may discontinue water service to any customer who fails to pay fines billed on the regular bi-monthly water bill. Service will be restored upon full payment of all outstanding balances. The charge for reconnection and restoration of normal service shall be twenty-five dollars ($25.00).

F. Emergency Staff Action. In unusual circumstances where members of the district staff observe substantial amounts of water being wasted in violation of this chapter and where after reasonable efforts have been made to persuade the water service account registrant to terminate such waste, but have failed, the general manager may authorize the immediate temporary discontinuance of service to the affected property. A written notice of such action and the reasons therefor shall be delivered to any adult person present on the premises, or if none can be found, left in a conspicuous place on the property within twenty-four (24) hours of the discontinuance of service. Any such person may have water service promptly reinstated by applying therefor at the district, upon payment of the district's standard reconnection fee. Notwithstanding such reinstatement, such person may still be cited for and subject to all other penalties for water wastage provided elsewhere in this chapter.

(Ord. 4-2000 § 7)

4.08.060 - Exceptions.

A. The general manager may, in his or her discretion, grant exceptions to the terms of this chapter not already provided for, if he or she finds and determines that:

1. Restrictions herein would cause an undue hardship or emergency condition; or

2. That the granting of the exception will not adversely affect the water supply or service to

other existing water consumers.

Such exceptions may be granted only upon application in writing. Upon granting any such exception, the general manager may impose any conditions he or she determines to be just and proper. The terms of any exception shall be set forth in writing, the original to be kept on file with the district, and a copy to be furnished to the applicant. All exceptions granted shall be reported to the board of directors at a regularly scheduled meeting.

B. An applicant for an exception under this section, may appeal the general manager's decision as provided in Section 4.08.070

(Ord. 4-2000 § 8)

4.08.070 - Appeals for violation of prohibition on waste.

A. Content of Appeals. An appeal may be made to the board of directors by any public agency or person aggrieved by a decision of the general manager pursuant to this chapter. All appeals shall be made to the board by filing a written appeal with the district secretary within ten (10) working days from the date of the general manager's decision. The appellant must specifically state in the notice of appeal:

1. The identity of the appellant and his or her interest in the decision;

2. The identity of the decision appealed from and the conditions appealed from;

3. A clear, complete, but brief statement of the reasons why, in the opinion of the appellant, the decision or the conditions imposed were unjustified or inappropriate; and

4. The specific facts of the matter in sufficient detail to notify interested persons of the nature of the proceedings, to place the interested persons upon notice as to how any proposed action may affect their interest so that they may formulate their defense of opposition without being subjected to surprise. The board will not accept an appeal stated in generalities, legal or otherwise.

B. Acceptance of Appeal. An appeal shall not be accepted by the board of directors unless it is complete and complies with all requirements. The district clerk shall not accept a notice of appeal if it is obvious on the face of the notice that it is incomplete.

C. Hearing. The board shall set the matter for a hearing at a regular meeting or special meeting within thirty (30) days from the date the appeal is filed, and may in its discretion thereafter affirm, reverse, or modify the general manager's decision, and impose any conditions it deems just and proper.

(Ord. 4-2000 § 9)

Chapter 4.12 - EMERGENCY WATER CONSERVATION PROGRAM

Sections:

4.12.010 - Purpose.

It is the purpose and intent of this chapter to provide means by which the board of directors can restrict water use upon a determination that water supplies need to be conserved due to demands upon the water resource.

(Ord. 3-2000 § 3)

4.12.020 - Definitions.

The definitions contained in Chapter 4.04, as amended, shall be used for interpreting this chapter. The following definitions are for specific application to this chapter:

"Dry Season" begins when streamflow falls below one cubic feet per second at the upper end of the San Simeon Creek stream underflow measured at the Palmer Flats gauging station. Dry season ends when streamflow resumes and persistently remains above one cubic feet per second.

Groundwater Levels. In reference to water levels in the San Simeon and Santa Rosa basins, "groundwater levels" means the average of water levels in the district's three wells in the San Simeon basin and the average of water levels in the district's two wells in the Santa Rosa basin.

Julian Day. Given any annual period, the "Julian Day" numbers can be counted sequentially from 1 to 365 (e.g., given the annual period January 1st to December 31st, the Julian Day of February 1st is 32).

"Permanent resident" means any person residing in a household during the entire billing period or for three months out of the past six months.

"Permanent Resident Certification" means a form provided by the district that must be completed by the consumer and filed at the district office to receive an increased water allotment. It is the consumer's responsibility to complete and file an amended permanent resident certification with the district whenever there is a change in the number of "permanent residents" in the customer's household.

Permanent resident certification forms shall be signed under penalty of perjury. Permanent resident certification forms shall not be used for any purpose other than administration of this chapter.

"Southern Oscillation Index (SOI)" means a standardized index that describes the pressure differential along the equator between observation stations at Darwin, Australia, and Tahiti. Index values are reported monthly.

"Unit" means a quantity of water equivalent to one hundred (100) cubic feet in volume. One cubic foot is equivalent to 7.48 gallons. Therefore, one "unit" is equivalent to seven hundred forty-eight (748) gallons.

"Water Conservation Plan" means a plan identifying new water conservation measures that will be taken to reduce water consumption by commercial customers. This plan shall include an implementation schedule for conservation measures. A water conservation plan must be submitted with commercial applications for exceptions to the maximum commercial water use allotments.

"Water Customer" means the terms water user, water user account, service account, water customer, applicant, and consumer used herein shall apply to every person, firm, partnership, association, corporation, city, county, state or local agency, political subdivision, district, or entity of every kind receiving water services from the district. All water customers whose names are shown on district's account records shall be equally responsible and liable for water use by tenants, lessees, co-owners, and all other persons utilizing water on the premises through the account.

Water Rights Dry Season. Santa Rosa Creek Basin: from May 1st through October 31st. San Simeon Creek Basin: from the day when flow ceases at Palmer Flats gauging station through October 31st. (When dry season is referred to by both definitions close together in the report, the streamflow-based term has title case lettering while the water rights-based term has lower case lettering.)

"Water Use and Retrofit Agreement" means a condition on restoration service after water service is discontinued for repeated violation of the Stage 3 water shortage emergency condition. This agreement shall specify water use restrictions and retrofits that must be implemented by the customer within thirty (30) days from the date water service is restored.

"Water Year" means October 1st through September 30th.

(Ord. 3-2000 § 4)

4.12.030 - Stage 1 water conservation program—Drought watch condition.

It is the purpose of a Stage 1 water conservation program—Drought watch condition, set forth in Appendix 4.12A, to reduce consumption through voluntary conservation by seven percent.

A. Implementation Criteria. The district will utilize the water supply and demand model (Appendix 4.12D) as needed to forecast water supply availability for the upcoming anticipated dry season. A drought watch condition may be declared and the Stage 1 water conservation program may be placed into effect using the procedures set forth in Section 4.12.060, under any of the following circumstances:

1. If, at any time, the results of the water supply and demand model indicate that groundwater levels may be insufficient to meet the ordinary demands and requirements of the water consumers;

2. Once seasonal streamflow in San Simeon Creek ceases to flow to the Pacific Ocean, if the results of the water supply and demand model indicate that groundwater levels may be insufficient to meet the ordinary demands and requirements of the water consumers; or

3. If, at any time, water delivery capabilities are impaired such that the water supply or delivery system is incapable of meeting the ordinary demands and requirements of the water consumers.

B. Authority: Water Code Section 375 et seq.

(Ord. 3-2000 § 5)

4.12.040 - Stage 2 Water Conservation Program—Water Shortage Condition.

It is the purpose of a Stage 2 water conservation program—Water shortage condition, set forth in Appendix 4.12B, to reduce consumption by fifteen (15) percent.

A. Implementation Criteria. The district will utilize the water supply and demand model as needed to forecast water supply availability. A water shortage condition may be declared and the Stage 2 water conservation program may be placed into effect using the procedures set forth in Section 4.12.060, under any of the following circumstances:

1. If, at any time, results of the water supply and demand model indicate groundwater levels will be insufficient to meet ninety-three (93) percent of the ordinary demands and requirements of the water consumers; or

2. If, at any time, water delivery capabilities are impaired such that the water supply or delivery system is incapable of meeting ninety-three (93) percent of the ordinary demands and requirements of the water consumers.

B. Authority: Water Code Section 375 et seq.

(Ord. 3-2000 § 6)

4.12.050 - Stage 3 Water Shortage Emergency Condition.

It is the purpose of a Stage 3 Water Shortage Emergency Condition, set forth in Appendix 4.12C, to conserve the water supply for human consumption, sanitation and fire protection.

A. Implementation Criteria. The district will utilize the water supply and demand model as needed to forecast water supply availability. A Stage 3 water shortage emergency condition may be declared using the procedures set forth in Section 4.12.060, under any of the following circumstances:

1. If, at any time, results of the water supply and demand model indicate groundwater levels will be insufficient to provide water for human consumption, sanitation and fire protection; or

2. If, at any time, water delivery capabilities are impaired such that the water supply or delivery system is incapable of providing sufficient water for human consumption, sanitation and fire protection; or

3. If, at any time, the board of directors finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the district to the extent that there would be insufficient water for human consumption, sanitation and fire protection.

B. Authority: Water Code Section 350 et seq.

(Ord. 3-2000 § 7)

4.12.060 - Procedure to initiate Stage 1, 2 or 3 water conservation program.

The general manager shall report in writing to the board the occurrence or anticipated occurrence of any of the events defined in Sections 4.12.030(A)(1) and (A)(2), 4.12.040(A) and 4.12.050(A). The board shall, no later than four weeks after receipt of such report, consider the general manager's report in a public hearing. Notice of the time and place of the public hearing shall be published one time at least seven days prior to the date of the hearing in a newspaper of general circulation published within the district. If the board concurs that any such events have occurred, it shall immediately consider adopting a resolution implementing the appropriate program pursuant to Appendices 4.12A, B or C.

(Ord. 3-2000 § 8)

4.12.070 - Integration with other water conservation rules and regulations.

Whenever a Stage 1 or Stage 2 water conservation program, or the Stage 3 water shortage emergency condition has been declared and instituted by the board of directors pursuant to this chapter, all other district water conservation rules, regulations, restrictions, definitions, enforcement procedures, violation provisions and appeal procedures which are in force shall remain in force, except where they are in conflict with the provisions of this chapter, in which event the provisions established by this chapter shall prevail and govern.

(Ord. 3-2000 § 9)

4.12.080 - Cessation of Stage 1 or Stage 2 water conservation programs or Stage 3 water shortage emergency.

A. The district shall utilize a combination of the water supply and demand model, streamflow monitoring, well levels, rainfall and any other indexes or measures to determine the extent that a Stage 1, Stage 2, or Stage 3 condition is no longer necessary. The district may also examine whether the water supply has been sufficiently replenished or augmented to the extent that a Stage 1 or Stage 2 water conservation program, or the Stage 3 water shortage emergency condition, is no longer necessary;

B. The board of directors may terminate the Stage 1 or Stage 2 water conservation program by resolution based upon findings that the district's water supply is sufficient to meet the ordinary demands and requirements of the water consumers without imposition of maximum water use allotments set forth in Appendices 4.12A, B and C. These findings shall include results from the water supply and demand model provided in Appendix 4.12D;

C. The board of directors may terminate the Stage 3 water shortage emergency condition by resolution based upon findings that the district's water supply has been replenished or augmented such that the water supply is sufficient to satisfy the ordinary demands and requirements of the water consumers;

D. The board of directors may terminate the Stage 1 or Stage 2 water conservation program, or the Stage 3 water shortage emergency condition by resolution based upon findings that the district's water supply and distribution system is capable of providing sufficient water for the ordinary demands and requirements of water consumers; or

E. The board of directors may, by resolution, upgrade or downgrade between Stage 1, Stage 2 or Stage 3 based upon the implementation criteria set forth in Sections 4.12.030, 4.12.040 and 4.12.050

(Ord. 3-2000 § 10)

4.12.090 - Enforcement.

The general manager or his or her designee shall be the officer primarily charged with enforcement of this chapter.

(Ord. 3-2000 § 11)

4.12.100 - Penalties for violations of restricted water supply conditions.

Penalties for violation of the Stage 2 or Stage 3 water conservation programs are provided in Appendices 4.12A and 4.12B, respectively.

(Ord. 3-2000 § 12)

4.12.110 - Exceptions.

A. The general manager may, in his or her discretion, grant exceptions to the terms of this chapter not already provided for, if he or she finds and determines that:

1. Restrictions herein would cause an undue hardship or emergency condition; or

2. That the granting of the exception will not adversely affect the water supply or service to other existing water consumers.

Such exceptions may be granted only upon application in writing. Upon granting any such exception, the general manager may impose any conditions he or she determines to be just and proper. The terms of any exception shall be set forth in writing, the original to be kept on file with the district, and a copy to be furnished to the applicant. All exceptions granted shall be reported to the board of directors at a regularly scheduled meeting.

B. An applicant for an exception under this section may appeal the general manager's decision to the board of directors. A request for appeal must be submitted to the district in writing not more than ten (10) days after the general manager's decision. The board of directors shall consider the appeal within thirty (30) days of the request for appeal.

(Ord. 3-2000 § 13)

Appendix 4.12A -

STAGE 1 WATER CONSERVATION PROGRAM—DROUGHT WATCH CONDITION

A. Water Use Allotment.

1. Public Uses. The district will meet with all public agencies to establish appropriate agreements to reduce water consumption. Such agreements should target reductions in landscape irrigation and encourage the use of non-potable water.

2. Commercial Uses. The monthly water use allotment for all commercial uses shall be the lower of five units per equivalent dwelling unit ("EDU") established by the district, or actual average monthly water usage as measured during the twelve (12) months preceding implementation of a Stage 1 water conservation program.

3. Residential Uses. A monthly use limit of three units per permanent resident is established for separately metered individual residential dwellings and for each separate residence within residential uses with two or more residential dwellings on the same meter (e.g., apartments and mobile homes). Each residential customer account is allotted three units per month. Customers may request an increase in the allotment of units by completing a permanent resident certification form provided by the district. The breakdown by household size is as follows:

Household Size	Units/Month
1 permanent resident	3 Units
Each additional permanent resident	3 Units each

B. Water Use Restrictions. New landscaping should be limited to native or drought tolerant plants when a Stage 1 water conservation program is in effect.

C. Monitoring. The general manager shall monitor those water accounts above and/or near the maximum use limit. The general manager shall have those meters read on a monthly or more frequent basis and shall issue informational notices to those customers exceeding the established water use allotment.

D. Public Information. The general manager shall provide notice to all water customers regarding the board of director's declaration of a drought watch condition and activation of the Stage 1 water conservation program. Such notice shall be mailed within fourteen (14) days of the board's action. The general manager is authorized and directed to pursue a vigorous public information program about water supply conditions and the need to reduce water consumption. This shall be by announcements in local newspapers and other news media, by mailings to customers, by handouts and by such other means deemed appropriate by the general manager.

(Ord. 3-2000 Exh. A)

Appendix 4.12B -

STAGE 2 WATER CONSERVATION PROGRAM—WATER SHORTAGE CONDITION

A. Maximum Water Use Allotment.

1. Public Uses. The district will meet with all school districts, public park agencies, and all other public agencies to establish appropriate agreements to reduce water consumption. The objective of such agreements shall be to eliminate irrigation of decorative landscape and reduce irrigation of turf and play areas to the minimum levels necessary to protect the health and safety of school children and park visitors.

2. Commercial Uses. The maximum monthly water use allotment for all commercial uses shall be the lower of five units per EDU assigned by the district, or actual average monthly water usage as measured during the twelve (12) months preceding implementation of a Stage 2 water conservation program. In the event a commercial use has not previously had an EDU allocation determined, the general manager shall determine and assign the EDU allocation according to the criteria provided in Title 8 of this code, as subsequently amended or replaced.

3. Residential Uses. A maximum monthly use limit of three units per permanent resident is established for separately metered individual residential dwellings and for each separate residence within residential uses with two or more residential dwellings on the same meter (e.g., apartments and mobile homes). Each residential customer account is allotted three units per month. Customers may request an increase in the allotment of units by completing a permanent resident certification form provided by the district. The breakdown by household size is as follows:

Household Size	Units/Month
1 permanent resident	3 Units
Each additional permanent resident	3 Units each

B. Water Use Restrictions. Only native plants or drought tolerant landscaping may be installed when a water shortage condition has been declared and the Stage 2 water conservation program is in effect.

C. Monitoring. The general manager shall monitor those water accounts above and/or near the maximum water use allotment. The general manager shall have those meters read on a monthly or more frequent basis and shall issue notices, warnings or violation notices to those customers exceeding the established allotment.

D. Public Information. The general manager shall provide notice to all water customers regarding the board of director's declaration of a water shortage condition and activation of the Stage 2 water conservation program. Such notice shall be mailed within fourteen (14) days of the board's action. The general manager is authorized and directed to pursue a vigorous public information program about water supply conditions and the need to reduce water consumption. This shall be by announcements in local newspapers and other news media, by mailings to customers, by handouts and by such other means deemed appropriate by the general manager.

E. Violations.

1. Surcharges. A surcharge will be levied on all water use in excess of the maximum water use allotment. The first violation of the maximum water use allotment shall be subject to a five hundred (500) percent surcharge levied on all usage above the customer's monthly unit allotment. All subsequent violations of the maximum water use allotment shall be subject to a one thousand (1,000) percent surcharge levied on all usage above the customer's monthly unit allotment. A delinquent bill shall be increased by penalty of ten (10) percent of the amount of delinquency. If not paid within ten (10) days after receipt of notice of delinquency, service may be disconnected.

2. Referral to District Attorney. The district reserves the right to enforce repeated violations of the Stage 2 water conservation program as misdemeanors. Such cases may be referred to the San Luis Obispo County District Attorney under Water Code Section 377, and are punishable by imprisonment in county jail for not more than thirty (30) days, or by fine not exceeding one

thousand dollars ($1,000.00), or by both.

F. Exceptions.

1. The general manager may, in his or her discretion, grant exceptions to the terms of this chapter not already provided for, if he or she finds and determines that:

a. Restrictions herein would cause an undue hardship or emergency condition; or

b. That the granting of the exception will not adversely affect the water supply or service to other existing water consumers.

Such exceptions may be granted only upon application in writing. Applications for exceptions from maximum commercial use allotments must be accompanied by a water conservation plan which identifies specific conservation measures to be implemented according to a detailed implementation schedule. Upon granting any such exception, the general manager may impose any conditions he or she determines to be just and proper. The terms of any exception shall be set forth in writing, the original to be kept on file with the district, and a copy to be furnished to the applicant. All exceptions granted shall be reported to the board of directors at a regularly scheduled meeting.

2. An applicant for an exception under this section may appeal the general manager's decision to the board of directors. A request for appeal must be submitted to the district in writing not more than ten (10) days after the general manager's decision. The board of directors shall consider the appeal within thirty (30) days of the request for appeal.

(Ord. 3-2000 Exh. B)

Appendix 4.12C -

STAGE 3 WATER SHORTAGE EMERGENCY CONDITION

A. Maximum Water Use Allotment. The use of potable water in excess of the monthly water use allotment set forth below is prohibited.

1. Public Uses. The district will meet with school districts, public park agencies, and all other public agencies to establish appropriate agreements to reduce water consumption. The objective of such agreements shall be to eliminate irrigation of decorative landscape and reduce irrigation of turf and play areas to the minimum levels necessary to protect the health and safety of school children and park visitors.

A five hundred (500) percent surcharge shall apply to all public water use in excess of three units per EDU per month. Public use EDU assignments will be established at the time a Stage 3 water shortage emergency condition is activated.

2. Commercial Uses. The maximum water use allotment for all commercial uses shall be the lower of three units per EDU assigned by the district per month, or actual average monthly water usage as measured during the twelve (12) months preceding implementation of a Stage 3 water shortage emergency condition. In the event a commercial use has not previously had an EDU allocation determined, the general manager shall determine and assign the EDU allocation according to the criteria provided in Title 8 of this code, as subsequently amended or replaced.

3. Residential Uses. A maximum monthly use limit of two units per permanent resident is established for separately metered individual residential dwellings and for each separate residence within residential uses with two or more residential dwellings on the same meter (e.g., apartments and mobile homes). Each residential customer account is allotted two units per month. Customers may request an increase in the allotment of units by completing a permanent resident certification form provided by the district. The breakdown by household size is as follows:

Household Size	Units/Month
1 permanent resident	2 Units
Each additional permanent resident	2 Units each

4. Adjustment of Maximum Water Use Allotment. Each customer shall have the right to request an adjustment of the number of permanent residents in his or her household used to compute the maximum water use allotment by completing the permanent resident certification. The permanent resident certification is a form provided by the district that must be completed by the consumer and filed at the district office in order to receive an increased water allotment. It is the consumer's responsibility to complete and file an amended permanent resident certification with the district whenever there is a change in the number of "permanent residents" in the customer's household. Permanent resident certification forms shall be signed under penalty of perjury. Permanent resident certification forms shall not be used for any purpose other than administration of this chapter.

B. Water Rate Schedule. During a Stage 3 water shortage emergency condition, the amount of water provided by the district for the minimum bi-monthly residential service charge shall be reduced from six units to four units. Therefore, during a Stage 3 water shortage emergency condition, the first tier of the district's graduated water rate schedule set forth in Title 3 of this code, as subsequently amended or replaced, applies to usage of between zero and four units. The second tier of the graduated water rate schedule applies to usage of between five and fifteen (15) units.

C. Water Use Restrictions.

1. The use of potable water for fire drills is prohibited.

2. Irrigation of landscaping and gardens using the district's potable water is prohibited. The district encourages irrigation using non-potable water sources. This prohibition applies regardless of whether or not a particular customer uses less than the monthly use allotment set forth in subsection (A)(1) of this appendix.

3. The use of potable water for service to any properties where buildings are not under construction on the effective date of activation of this program even though a valid water connection permit may have been issued for the properties is prohibited. Under construction is defined as having at least all load bearing retaining foundations in place pursuant to county approved plans. Exceptions to this may be made by four-fifths vote of the board of directors if it can be shown permanent construction financing arrangements completed prior to the date of activation of this program cannot be canceled or delayed without severe financial loss. Severe loss is defined to be a certain and permanent loss in excess of five percent of the proposed construction costs. This section also applies to all discontinued services.

D. Monitoring. Meters will be read monthly but bills will be prepared bi-monthly for the duration of the emergency. Customers with meter readings above the maximum use limits for Stage 3 shall be notified of a violation. Thirty (30) days after a water bill is mailed, the bill will become delinquent if the bill or any portion thereof which is not in dispute remains unpaid. A delinquent bill shall be increased by penalty of ten (10) percent of the amount of delinquency. If not paid within ten (10) days after receipt of notice of delinquency, service may be disconnected.

E. Public Information. The general manager shall provide notice to all water customers regarding the board of director's declaration of the Stage 3 water shortage emergency condition. Such notice shall be mailed within fourteen (14) days of the board's action. The general manager is authorized and directed to pursue a vigorous public information program about water supply conditions and the need to reduce water consumption. This shall be by announcements in local newspapers and other news media, by mailings to customers, by handouts and by such other means deemed appropriate by the general manager.

F. Violations.

1. Surcharges for Violation of Maximum Water Use Allotment. A surcharge will be levied on all water use in excess of the maximum water use allotment. The first violation of the maximum water use allotment shall be subject to a five hundred (500) percent surcharge levied on all usage above the customer's monthly unit allotment. The second violation of the maximum water use allotment shall be subject to a one thousand (1,000) percent surcharge levied on all usage above the customer's monthly unit allotment. Subsequent violations shall be subject to a one thousand (1,000) percent surcharge and discontinuance of service as described in subsection (F)(2) of this appendix.

A delinquent bill shall be increased by penalty of ten (10) percent of the amount of delinquency. If not paid within ten (10) days after receipt of notice of delinquency, service may be disconnected.

2. Citations for Violation of Water Use Restrictions. Violations of the water use restrictions set forth in subsection C of this appendix shall be subject to the following:

a. First Violation. For the first violation the district shall issue a written citation and impose a fine of fifty dollars ($50.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

b. Second Violation. A second violation of the water use restrictions during a Stage 3 water shortage emergency condition is subject to a fine of one hundred fifty dollars ($150.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

c. Third Violation. A third violation of the water use restrictions during a Stage 3 water shortage emergency condition is subject to a fine of two hundred fifty dollars ($250.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bi-monthly water bill.

d. Subsequent Violations. Subsequent violations of the water use restrictions during a Stage 3 water shortage emergency condition are subject to a fine of one thousand dollars ($1,000.00). Written notice shall be given to the owner by certified mail. The fine will be billed to the customer on the regular bimonthly water bill.

e. Failure to Pay Fines. The district may discontinue water service to any customer who fails to pay fines billed on the regular bi-monthly water bill. Service will be restored upon full payment of all outstanding balances. The charge for reconnection and restoration of normal service shall be twenty-five dollars ($25.00).

3. Discontinuance of Service. Repeated violations (i.e., more than two violations) of the Stage 3 water shortage emergency condition shall be subject to discontinuation of service. The district will send a "Discontinuance Notice" for repeated violation of a Stage 3 water shortage emergency condition. The water customer shall have ten (10) days to enter into a mandatory "Water Use and Retrofit Agreement" with the district. The "Water Use and Retrofit Agreement" shall specify mandatory water use restrictions and retrofits that must be implemented by the customer within thirty (30) days. Failure to enter into this agreement within ten (10) days after receipt of the "Discontinuance Notice" shall result in discontinuance of water service.

The general manager or his or her designee may only restore service under a "Water Use and Retrofit Agreement" between the customer and the district. Failure to comply with the "Water Use and Retrofit Agreement" within thirty (30) days from the date water service is restored shall result in discontinuance of water service.

The district will send a reminder notice via certified mail at least forty-eight (48) hours prior to discontinuance of service, and will attempt to contact an adult person at the premises of the customer by telephone or personal contact, at least twenty-four (24) hours prior to discontinuance of service.

G. Exceptions.

1. The general manager may, in his or her discretion, grant exceptions to the terms of this chapter not already provided for, if he or she finds and determines that:

a. Restrictions herein would cause an undue hardship or emergency condition; or

b. That the granting of the exception will not adversely affect the water supply or service to other existing water consumers.

Such exceptions may be granted only upon application in writing. Applications for exceptions from maximum commercial use allotments must be accompanied by a water conservation plan which identifies specific conservation measures to be implemented according to a detailed implementation schedule. Upon granting any such exception, the general manager may impose any conditions he or she determines to be just and proper. The terms of any exception shall be set forth in writing, the original to be kept on file with the district, and a copy to be furnished to the applicant. All exceptions granted shall be reported to the board of directors at a regularly scheduled meeting.

2. Specific Exceptions.

a. The intent of exceptions for laundromats and restaurants with public restrooms shall be to reduce water consumption and provide for surcharges at Stage 2 levels.

b. Medical exceptions shall be allowed based on an additional two units of water a month. The general manager shall issue exceptions consistent with current district policy.

c. Exceptions for public governmental agencies shall be consistent with water

conservation policies of the district.

3. An applicant for an exception under this section may appeal the general manager's decision to the board of directors. A request for appeal must be submitted to the district in writing not more than ten (10) days after the general manager's decision. The board of directors shall consider the appeal within thirty (30) days of the request for appeal.

(Ord. 3-2000 Exh. C)

Appendix 4.12D -

WATER SUPPLY AND DEMAND MODEL

The following procedures are intended solely for the purpose of forecasting water supply availability for the revised Standby Water Conservation Program.

Step 1. — Determine the Dry Season Start Date[a] [1]

[1] Editor's note— a The Julian Day from October 1st when the Dry Season commences.

(San Simeon).

Option A — Forecast Made Between November 1st Prior to the Actual Dry Season Start Date.

1. Obtain the October Southern Oscillation Index (October SOI).
2. Use the following formula to determine the Dry Season Start Date.

Dry Season Start Date (Julian Date from October 1st) = -22.1 (October SOI) + 235

Option B — Determination by Streamflow Monitoring.

1. Monitor when streamflow is less than one cubic feet per second at the Palmer Flats.
2. Convert calendar date to Julian date from October 1st (San Simeon).

Step 2. — Forecast the Dry Season Duration of the Upcoming Year (San Simeon).

Option A — Use the following formula to determine the Dry Season Duration.

Dry Season Duration (days) = -1.11 (Dry Season Start Date) + 472.56

Step 3. — Determine the Hydrologic Year-Type Classification.

Option A — Forecast Made Between November 1st Prior to the Actual Dry Season Start Date.

Use the following table:

October SOI	Hydrologic Year-Type Classification
<0. 8	Normal or Wet
0.8 to 1.4	Dry
>1.4	Critically Dry

Option B — Forecast Based on Production Monitoring.

1. Obtain total water production from months after the Dry Season Start Date.

2. Deduct the estimated commercial water demand from the total water production to obtain the estimated residential water demand.

3. Obtain the total number of residential connections and compute the residential unit demand for each month.

4. Compare the residential unit demand for each month with Figure A-16 for the appropriate month.

5. If the unit demands are closer to the mean annual demand curve, the hydrologic year-type classification is normal or wet. If the unit demands are closer to the ninety (90) percent occurrence demand curve, the hydrologic year-type classification is dry or critically dry.

Step 4. — Estimate the Unrestricted Dry Season Water Demand[b] [2].

A. Based on the hydrologic year-type classification (Step 3), select the appropriate demand curve on Figures A-16 and A-17. If the year is normal or wet, select the mean annual demand curve. If the year is dry or critically dry, select the ninety (90) percent occurrence demand curve.

B. Obtain the number of residential and commercial connections.

C. Use Figures A-16 and A-17 to estimate the total monthly water demands during the projected Dry Season.

Step 5. — Estimate the Unrestricted Dry Season Water Demands to be Provided by the San Simeon Creek Basin.

Option A — Allocation Based on Professional Judgment.

Using criteria such as relative groundwater levels, groundwater contamination, habitat protection, or other technical criteria, establish the volume of the Dry Season water demands to be provided by the San Simeon Creek Basin.

Option B — Allocation Based on Dry Season Water Rights.

Use the dry season water rights of three hundred seventy (370) acre-feet for the San Simeon Creek Basin and two hundred sixty (260) acre-feet for the Santa Rosa Creek Basin to allocate the proportionate allocation of water supply between these sources.

Step 6. — Estimate the Available Dry Season Water Supply from the San Simeon Creek Basin.

A. Establish the minimum groundwater level to be allowed in the San Simeon Creek Basin using the following table:

Hydrologic Classifications	Minimum Groundwater Level at San Simeon Creek Basin (feet, MSL)

Normal or Wet	5
Dry	4
Critically Dry	3

B. Using groundwater level monitoring and the minimum groundwater level (Step 6A), estimate the cumulative Dry Season drawdown production from Figure A-7.

C. Add eighty-five (85) acre-feet to the cumulative Dry Season drawdown production (Step 6B) to estimate the available Dry Season Water Supply from the San Simeon Creek Basin.

Step 7. — Compare the Unrestricted Dry Season Water Demands to be Provided by the San Simeon Creek Basin (Step 5) with the Available Dry Season Water Supply from the San Simeon Creek Basin (Step 6).

A. If the projected supply is greater than the projected demand, demand restrictions are not required and additional evaluation is not necessary.

B. If the projected supply is less than the projected demand, at least a Stage 1 Water Supply Condition should be declared and Step 8 should be evaluated.

Step 8. — Determine Whether a Stage 2 Water Supply Condition is Necessary.

A. Reduce by seven percent the unrestricted Dry Season water demand in the San Simeon Creek Basin (Step 5) to estimate the Stage 1 Dry Season water demand for the Dry Season remaining after the Stage 1 Water Supply Condition was declared.

B. Repeat Step 6 with a minimum groundwater level of three feet MSL to estimate the available Stage 1 Dry Season water supply from the San Simeon Creek Basin after the Stage 1 Water Supply Condition was declared.

C. Compare the Stage 1 Dry Season water demand with the Stage 1 water supply.

1. If the projected supply is greater than the projected demand, additional demand restrictions are not required and additional evaluation is not necessary.

2. If the projected supply is less than the projected demand, at least a Stage 2 Water Supply Condition should be declared and Step 9 should be evaluated.

Step 9. — Determine Whether a Stage 3 Water Supply Condition is Necessary.

A. Reduce by fifteen (15) percent the unrestricted Dry Season water demand on the San Simeon Creek Basin (Step 5) to estimate the Stage 2 Dry Season water demand for the Dry Season remaining after the Stage 2 Water Supply Condition was declared.

B. Repeat Step 6 to estimate the available Stage 2 Dry Season water supply from the San Simeon Creek Basin after the Stage 2 Water Supply Condition was declared.

C. Compare the Stage 2 Dry Season water demand with the Stage 2 water supply.

1. If the projected supply is greater than the projected demand, additional demand restrictions are not required.

2. If the projected supply is less than the projected demand, a Stage 3 Water Supply Condition should be declared.

(Ord. 3-2000 Attach. 1)

[2] **Editor's note—** b The water demand that would occur during the Dry Season in the absence of district-initiated interventions or other atypical limitations to water use and that is estimated from normalized historical data (Figures A-16 and A-17).

Chapter 4.16 - WATER CONSERVATION DEVICES

Sections:

4.16.010 - Purpose.

It is the purpose and intent of this chapter to reduce the use of potable water within the Cambria Community Services District boundaries through the installation of water saving devices and plumbing, and through the prohibition of other devices and fixtures which cause the excessive use of water.

(Ord. 3-88 § I)

4.16.020 - Definitions.

The definitions contained in Chapter 4.04 shall be used for interpreting this chapter. The following definitions are applications to this chapter.

"Change of ownerships" means a transfer of a present interest in real property, and a transfer of the right to beneficial use thereof, the value of which is substantially equal to the proportion of the ownership interest transferred. Every transfer of property shall qualify as a "change of ownership," except transfers of title from one spouse to another, whether the transfer is voluntary, involuntary, by operation of law, by grant, gift, devise, inheritance, trust, contract of sale, addition or deletion of an owner, property settlement, or any other means. "Change of ownership" affected other than by a contract of sale shall be deemed to occur at the time of actual transfer of title. A change of ownership resulting from a contract of sale or similar instrument shall be so regarded only if escrow is opened or a contract of sale is executed, whichever occurs last, on or after the effective date of this chapter.

"Change of use" means, in the case of commercial, industrial or public authority structures, a change in the use to which the structure was previously devoted, to a substantially different use.

"Commercial" or "commercial building" means any use, structure, or project not defined as "residential" or "residential building."

"Low water-use plumbing and plumbing fixtures" means the particular requirements and standards of this chapter are those set forth in Appendix 4.16A. The board may, from time to time, by resolution, modify, add to, or remove from, the standards and restrictions therein.

"New construction" means any construction of a previously non-existent structure requiring a discretionary or ministerial permit issued after the effective date of this chapter. "New construction" shall include additions, modifications, or structural improvements, which add square footage to floor space of existing structures.

"Prohibited devices and fixtures" means the devices and fixtures set forth in Appendix 4.16B. The board may, from time to time, by resolution, modify, add to, or remove from, the standards and restrictions therein.

"Residential" or "residential building" means any use or structure built and intended primarily for the shelter, or housing of any person.

(Amended during 2004 codification; Ord. 3-88 § II)

4.16.030 - Plumbing fixtures for new construction.

All new construction, as defined herein, shall be exclusively equipped with low water-use plumbing and plumbing fixtures as defined by this chapter, and no prohibited devices or fixtures as defined in Appendix 4.16B shall be permitted. These low water-use fixtures shall be installed and maintained, and shall not be replaced with fixtures which allow greater water use. When the district installs any new water meter, the meter shall be set with a flow restriction device installed and the flow restriction device shall not be removed until such time as the customer shows to the district compliance with the requirements of this chapter by means of one of the following methods:

A. A copy of the plumbing permit obtained in relation to fixture installation which shows compliance with this chapter shall be forwarded to the district;

B. A copy of the pest control inspection report, energy audit report, or other appropriate report (the general manager shall maintain a list of individuals qualified to provide this certification, which certifies exclusive installation of low water-use fixtures shall be forwarded to the district;

C. A copy of the building inspection report by the county building official which indicates exclusive installation of low water-use fixtures shall be forwarded to the district; or

D. Statement of exclusive compliance with this chapter, together with a dated copy of the purchase receipt for each low water-use fixture, and a copy of the labor contract, or statement of self installation, which evidences complete installation, shall be forwarded to the district, and a written agreement by the property owner/purchaser allowing inspection of property by district staff or authorized agent.

(Ord. 3-88 § III)

4.16.040 - Retrofit of existing hotels and motels.

All existing hotels, motels, recreational vehicle parks, and campgrounds within ninety (90) days following the effective date of this chapter, shall retrofit all plumbing fixtures which are installed, but which do not meet low water-use plumbing fixture standards, with showers and shower heads as described in Category No. 4 of Appendix 4.16A, toilet water-use reduction devices capable of reducing

flow by at least one gallon per flush, and bathroom washbasin faucets with aerators which limit the flow rate to a maximum of eight liters (two gallons) per minute. The general manager shall defer the retrofit requirement of this section for any plumbing fixture for which present technology is not available to cause the required flow reduction, such as in flushometer-style toilet fixtures, or where retrofitting is not otherwise feasible.

(Ord. 3-88 § IV)

4.16.050 - Requirements upon change of ownership or use.

A. Residential. All existing residential buildings shall, at the time of change of ownership, be retrofitted, if not already so, exclusively with low water-use plumbing fixtures as defined by this chapter. Theses fixtures shall be installed and maintained, and shall not be replaced with fixtures which allow greater water use.

B. Commercial. All existing commercial, industrial, and public authority structures shall, at the time of change of ownership or change of use, be retrofitted, if not already so, with low water-use plumbing fixtures as defined by this chapter. These fixtures shall be installed and maintained and shall not be replaced with fixtures which allow greater water use.

(Ord. 3-88 § V)

4.16.060 - Retrofit upon expansion of use.

All residential, commercial, public authority, and industrial reconstruction, remodels or additions that add or change bathroom plumbing fixtures, and/or increase floor area by twenty (20) percent or greater of the existing floor area shall meet "new construction" low water-use plumbing fixture standards for the entire facility, including retrofitting of existing plumbing fixtures as identified in Section 4.16.030.

(Ord. 3-88 § VI)

4.16.070 - Retrofit upon resale.

A. Prior to the close of escrow, the new owner/applicant shall show compliance with the retrofit requirements of this chapter by successfully meeting the district's inspection.

B. Prior to the change of use of any commercial, industrial, or public authority buildings, the owner of record shall certify in writing to the Cambria Community Services District about such changes of use of the structure and compliance with this chapter, including compliance with all plumbing fixture retrofitting requirements. No change of use of such buildings shall be made prior to submission of such written certification to the general manager.

(Ord. 6-2005 § 1: amended during 2004 codification; Ord. 3-88 § VII)

4.16.080 - Recordation of notice.

Whenever the general manager determines that there is an existing violation of this chapter, that low water-use plumbing fixtures have not been installed at the time of change of ownership or use or have been removed since initial installation, the general manager may record a notice of violation with the office of the county recorder. The owner(s) of the property, as revealed by the assessment roll, on which the violation is situated and any other person responsible for the violation shall be notified of the recordation, if their address is known to the general manager. The general manager shall cause a

notice of correction to be recorded at such time as the property owner has established full compliance with the provisions of this chapter.

(Ord. 3-88 § VIII)

4.16.090 - Discretionary exemptions.

The general manager may, in his or her discretion, exempt projects from the provisions of this chapter, or impose reasonable conditions in lieu of compliance therewith, if he or she determines that any of the following sections apply:

A. Hardship. The general manager may grant an exemption for hardship where the requirements of this chapter would cause an unnecessary and undue substantial hardship upon the owner or purchaser of the facility or the public. Substantial hardship may include, but is not limited to:

1. Plumbing in an existing facility which does not match connections with low water-using plumbing fixtures and would, therefore, require partial replumbing of the structure. For example, different rough-in dimensions.

2. Unavailability of low water-using plumbing fixtures to match a well-defined historic architectural style (i.e., Victorian, Mission Revival) in an historic building (pre-1920).

Any project exempted pursuant to subsection (A)(1) of this section shall be required to have installed toilets using a maximum of three and one-half gallons per flush and two gallons per shower heads, if not already so provided.

B. Emergency. The general manager may grant an exemption for emergency purposes when the requirements of this chapter would create a condition affecting the health, sanitation, fire protection or safety of the facility owner or the public. Emergency conditions include, but are not limited to, sewer line grades that are insufficient to accommodate reduced flows caused by conversion of water closet(s) to three and one-half gallons per flush as determined by the district engineer.

C. In Lieu Compliance. The general manager may grant an exemption by imposing reasonable conditions in lieu of compliance with the requirements of this chapter, where the conditions would not allow the quantity of water consumed by the facility to exceed the total water demand achieved if the low water-use plumbing fixture standards set by this chapter had been used, and would not otherwise adversely affect service to any existing water consumer.

(Ord. 3-88 § IX)

4.16.100 - Appeals.

A. Content of Appeal. An appeal may be made to the board by any public agency or person aggrieved by a decision of the general manager and engineer pursuant to this chapter. All appeals shall be made to the board by filing a written appeal with the district secretary within ten (10) working days from the date of the decision. The appellant must specifically state in the notice of appeal:

1. The identity of the appellant and his or her interest in the decision;

2. The identity of the decision appealed from and the conditions appealed from;

3. A clear, complete, but brief statement of the reasons why, in the opinion of the appellant, the decision or the conditions imposed were unjustified or inappropriate;

4. The specific reasons the appellant disagrees with the findings of the general manager;

5. The specific facts of the matter in sufficient detail to notify interested persons of the nature of the proceedings, to place the interested persons upon notice as to how any proposed action may affect their interest so that they may formulate their defense of opposition without being subjected to surprise. The board will not accept an appeal stated in generalities, legal or otherwise.

B. Form. An optional form for giving notice of appeal shall be provided by the general manager. The form need not be used if the notice of appeal is complete.

C. Acceptance of Appeal. An appeal shall not be accepted by the board of directors unless it is complete and complies with all requirements. The district secretary shall not accept a notice of appeal if it is obvious on the face of the notice that it is incomplete.

D. Hearing. The board shall set the matter for hearing at a regular meeting or special meeting within thirty (30) days from the date the appeal is filed, and may in its discretion thereafter affirm, reverse, or modify the manager and engineer's decision, and impose any conditions it deems just and proper.

(Ord. 3-88 § X)

4.16.110 - Penalties.

Any person, firm, or corporation whether as principal, agent, employee, or otherwise violating or causing or permitting the violation of any of the provisions of this chapter; or, any contractor who installs or removes plumbing fixtures contrary to the provisions of this chapter with the intent to defeat the purposes of this chapter, shall be guilty of a misdemeanor punishable as an infraction as provided by Section 1.12.010. Violations carry a maximum penalty of two hundred fifty dollars ($250.00) for each offense. Each separate day or portion thereof during which any violation occurs or continues without a good-faith effort by the responsible party to correct the violation, shall be deemed to constitute a separate offense, and upon conviction thereof, shall be separately punishable.

(Ord. 3-88 § XI)

4.16.120 - Enforcement.

The general manager shall be the officer primarily charged with enforcement of this chapter. All public employees of the Cambria Community Services District who are vested with the duty or authority to issue permits or install new water meters, shall conform to the provisions of this chapter and shall issue no such permits or install such water meters in conflict with the provisions of this chapter, and any such permits issued in conflict with the provisions of this chapter, shall be null and void, and any such water meters installed shall be removed.

(Ord. 3-88 § XII)

4.16.130 - Civil nuisance.

A. Any building or structure set up, erected, constructed, altered, enlarged, converted, moved, maintained, sold, or the use of which is changed, contrary to the provisions of this chapter, and/or any use of land, building, or premises, established, conducted operated or maintained contrary to the

provisions of this chapter, shall be, and the same is declared to be a violation of this chapter and a public nuisance.

B. The district may summarily abate the public nuisance, and district counsel or the district attorney, upon order of the board, may bring civil suit or other action, to enjoin or abate the nuisance.

C. Each day any violation of this chapter continues shall be regarded as a new violation and separate offense. The remedies provided in this chapter shall be cumulative and not exclusive.

D. Should any person, firm, or corporation violate the terms of this chapter, and any action is authorized either by the board, district counsel, or district attorney, or is, in fact commenced by the agencies for the violation, no other action shall be taken on any application file by or on behalf of the person, firm, or corporation until the action has been concluded or resolved.

(Ord. 3-88 § XIII)

4.16.140 - Cost of enforcement.

A. Any person, firm, or corporation who creates or maintains a public nuisance in violation of this chapter or upon whose property a notice of violation has been recorded, shall be liable for the costs of abatement and correction which shall include, but not be limited to:

1. Cost of investigation;
2. Court costs;
3. Attorney fees;
4. Cost of monitoring compliance.

B. Upon a continuation of the public nuisance after notice from the district to cease the nuisance, any person, firm, or corporation shall be liable for the cost of abatement set forth above, plus a civil penalty of fifty (50) percent of these cost payable to the district in addition to any other cost of enforcement imposed by the court.

(Amended during 2004 codification; Ord. 3-88 § XIV)

4.16.150 - Remedies cumulative.

The remedies available to the district to enforce this chapter are in addition to any other remedies available under the district's ordinances, or any other state statutes, and do not replace or supplant any other remedy but are cumulative thereto.

(Ord. 3-88 § XV)

4.16.160 - General notes.

A. If any other codes or ordinances in effect in the district are in conflict with the provisions of this chapter, the more restrictive shall apply.

B. In the event any provision of existing ordinances, regulations, or procedures of the district conflicts with the provisions of this chapter, the provisions of this chapter shall prevail.

(Ord. 3-88 § XVI)

Appendix 4.16A -

ACCEPTABLE WATER SAVING PLUMBING AND FIXTURES

Piping and water using devices and fixtures acceptable to the district shall be comprised of those plumbing and water using devices and fixtures described by the following category headings and meeting the standards set forth under those headings.

Category No. 1 - Plumbing System Requirements (New Construction Only)

All hot water systems will be of the circulating or two pipe type with forced circulation provisions.

Thermal insulation of a kind typically used to insulate pipes and having a thickness of not less than three-fourths of an inch shall be installed on all hot water piping except plastic piping with a no heat loss rating factor.

All hot water pipes located within or under concrete slabs must be insulated and contained in chases or conduits.

Any hot water fixture or outlet located within five feet of the hot water heater shall be exempt from the requirements of Category No. 1.

Category No. 2 - Toilets, Tank Type

Tank type toilets shall be of a design or equipped with a device that does not exceed 1.6 gallons per flush.

Category No. 3 - Toilets and Urinals, Flushometer Type

Flushometer type toilets and urinals shall be of a design that does not exceed 1.6 gallons per flush. (eg. Sloan model 110-1/Eljer Ultra bowl for toilets, Sloan 186 for urinals)

Category No. 4 - Shower Heads and Showers

Shower heads shall be of a design that limits the maximum flow to eight liters (two gallons) per minute (gpm) at fifty (50) pounds per square inch (psi), and shall have a shut-off valve located near the shower head. All showers having unsupervised public access shall have automatic shut-off valves which shall limit the flow of water to not more than five minutes.

Category No. 5 - Faucets, Faucet Aerators

All faucets in residential sinks shall be equipped with faucet aerators and shall be of a design that limits the maximum flow to two gallons per minute (2.0 GPM) at fifty (50) psi. All faucets in residential and commercial lavatories shall be equipped with faucet aerators and shall be of a design that limits the maximum flow to one-half gallon per minute at fifty (50) psi. Water faucets for uses other than residential shall have aerators and shall be of a design that limits the flow to a maximum of two and three-fourths gallons per minute (gpm) at fifty (50) psi and shall be operated by foot button or pedal valves.

Category No. 6 - Exterior Hose Bibs

Hose bibs shall be equipped with backflow preventers/vacuum breakers of a design that limits the maximum flow of water to four gallons per minute at fifty (50) psi.

Category No. 7 - Water Pressure Regulators

Pressure regulators rated capacity of at least three hundred (300) psi shall be installed and set at fifty (50) psi at all locations served by the district's water distribution system.

Category No. 8 - Bath Tub Capacity

All new installations of bath tubs and whirlpool spas, specifically units that are designed to be drained after each use, shall be of a design that does not exceed a maximum capacity of seventy (70) gallons.

Category No. 9 - Hot Tubs, Spas

Acceptable spas and hot tubs are tubs of any size that have a water recirculation system that filters and chlorinates the water. These units are not emptied after each use and are covered when not in use.

(Amended during 2004 codification; Res. 37-95 Schedule A: Ord. 5-88 Schedule A)

Appendix 4.16B -

PROHIBITED DEVICES AND FIXTURES THAT CAUSE THE EXCESSIVE USE OF WATER

Devices and fixtures which the district has determined to cause the excessive use of water shall be comprised of those water using devices and fixtures described by the following category headings and the operation and/or use of these fixtures and devices is prohibited.

Category No. 1 - Oversized Bathtubs in Motels

"Oversized Bathtubs" are tubs that are greater than seventy (70) gallons capacity.

Any existing "Oversized Bathtub" shall, upon resale of the property, be removed, permanently disconnected or converted to a recirculating, treated water type of tub, or a tub of seventy (70) gallons capacity or less and are subject to the retrofit on resale provisions of this chapter.

(Res. 37-95 Schedule B: Ord. 5-88 Schedule B)

Chapter 4.20 - WATER CONSERVATION AND RETROFIT PROGRAM

Sections:

4.20.010 - Retrofit providers.

All commercial and residential property owners upon issuance of an intent to serve letter, all grandfathered services where no previous structure has been connected, or all applicants for remodel or reconstruction of an existing service whereby any water fixtures will be added shall be required to participate in this program prior to issuance of a connection permit or remodel approval, pursuant to Title 8 of this code.

(Ord. 9-2003 Attach. 1 (part))

4.20.020 - Retrofit recipients.

All commercial and residential improved-property owners and public agencies within the Cambria Community Services District service area are eligible, on a volunteer basis, to have their structures retrofitted, or otherwise participate in the programs offered by the district with the following exceptions:

Not eligible:

1. Structures already required to retrofit under Chapter 4.16 (resales and remodels);

2. Structures previously retrofitted, provided however, that fixtures not already retrofitted to the standards required under this chapter shall be eligible;

3. Replacement structures (tear down/rebuild, whether on same site or transferred).

In addition, riparian water users and/or property owners in the Santa Rosa Creek and San Simeon Creek watersheds, upon approval of the general manager, are eligible for participation in district sponsored programs under this chapter.

(Ord. 9-2003 Attach. 1 (part))

4.20.030 - Program implementation.

No new residential or commercial water and sewer connections or remodel approvals will be allowed except under this program. The water conservation and retrofit program, hereinafter referred to as "program" shall be initiated as follows:

A. New Construction From Waiting Lists.

1. The board of directors of the Cambria Community Services District may authorize the general manager to issue such number of intent to serve (ITS) letters under this program as deemed appropriate and in accordance with Title 8 of this code.

2. The district will issue a notification to eligible waiting list position holders along with an invoice for administrative fee. Within fifteen (15) days of issuance of notification, the applicant must make full payment of administrative fees and select the option to perform retrofits or pay an in-lieu fee of fifty dollars ($50.00) per point required. The appropriate number of points shall be calculated in accordance with the schedule provided in Appendix 4.20. Payment of in-lieu fees shall relieve applicant of any further requirements under this program, except for those provided in subsections (A)(3) and (A)(4) of this section. On receipt of the administrative fee and applicant's selection of retrofit option, and when in compliance with all other applicable laws and regulations, the district shall issue an intent to serve letter.

3. Within sixty (60) days of the issuance of the intent to serve letter, applicant must pay the in-lieu fee, if chosen, or submit properties proposed for plumbing and/or agriculture retrofit. All retrofit work then must be completed within ninety (90) days of the issuance date of the ITS letter. Also within that same ninety (90) days (or no later than the last business day of the calendar year, whichever comes first), all residential applicants must show proof to the district, that they have applied for a building permit allocation under the San Luis Obispo County growth management ordinance. The allocation requires that a complete application be submitted to the county building and planning department for a building permit (and a minor use permit, where required) within the deadline set by the allocation.

4. Failure to complete items in subsections (A)(2) and (A)(3) within the prescribed time periods will result in the general manager revoking the intent to serve letter and notify the county that the applicant is not eligible for water and sewer service. All persons returned to the water and sewer waiting list shall be notified in writing. Such persons returned to the water and sewer waiting list shall be placed back on the list in the same relative order that their original position bears to all others on to the list. Any administrative fee paid shall be forfeited. Retrofit fees are non-refundable. Any retrofits paid or completed shall be held in credit for future use for that project.

(Ord. 9-2003 Attach. 1 (part))

B. Grandfathered Services. Grandfathered services are subject to retrofit requirements as per Appendix 4.20. If the grandfather status was the result of a previously existent residence, the retrofit requirement shall be as for a "remodel." If there was no previous existent residence, the retrofit requirement shall be due and payable upon issuance of a county-approved building permit.

C. Remodels and Active Service Transfers.

1. Remodel or reconstruction of any existing service is subject to review by district staff when the project either adds: twenty-five (25) percent or more to existing habitable floor space, or adds any water-using fixtures.

2. Application for approval of a remodel or reconstruction shall be made on a form provided by the district and include floor plans for the complete existing structure as well as the proposed remodel. The remodel plans must be the same ones that will be submitted to

San Luis Obispo County for construction permit. An application fee shall be charged for plan review, except that in the event fixtures are being added, the plan review fee shall be included within the remodel impact fee.

3. Impact fees for added water fixtures shall conform to Exhibit 2 of the ordinance codified in this chapter, and/or current district fee schedule, as may be amended.

4. Upon receipt of complete application and fees, district shall provide a clearance letter stating project description, approval conditions, and fees paid. The clearance letter shall be provided by applicant to San Luis Obispo County for processing of construction permit.

D. The general manager is authorized to establish a separate account for remodel impact and retrofit in-lieu fees collected in accordance with the provisions of this program. The general manager may authorize the expenditure of funds from this account only for qualified projects and programs identified in Section 4.20.050 and subject to such limitations contained therein.

(Ord. 9-2003 Attach. 1 (part))

4.20.040 - Equivalency table.

A. An equivalency table is adopted and codified in Appendix 4.20. The equivalency table indicates the point values of existing fixtures which may be retrofitted and the corresponding point requirements for each newly constructed or remodeled residential or commercial structure. A package of proposed retrofits must add up to no less than the minimum requirements established in Appendix 4.20.

B. Owners of building parcels of eight thousand (8,000) square feet or more are required to install, on their own parcel, non-potable irrigation water cisterns with a minimum capacity of three thousand (3,000) gallons with collection-distributions systems, prior to receiving final occupancy approval. Re-inspection will be required at time of resale and remodeling to encourage continued use and maintenance. This requirement shall also apply to transfer of any service (active or otherwise) from a smaller parcel to one that is eight thousand (8,000) sq. ft. or larger.

C. The general manager is authorized to make determinations for fixtures or projects not specifically designated in the equivalency table, including but not limited to irrigation water conservation projects, water-line leak detection and correction projects, and water marketing program projects. Such determinations shall be based on the estimated amount of water to be saved or created, the cost of project implementation, the type, size, and estimated water use of the structure to be built and attainment of the savings goal established under this chapter.

D. The equivalency table may be periodically adjusted to reflect changes in water use and/or water savings or for other reasons determined by resolution of the board of directors.

(Ord. 9-2003 Attach. 1 (part))

4.20.050 - Program standards.

A. The following procedures, standards and/or warranties will be utilized in processing plumbing retrofit installation projects:

1. Fixtures (see Appendix 4.20 for point values).

a. Toilets - Ultra-low flow 1.6 gallons per flush maximum;

b. Showerheads with shutoff valve - two gallons per minute maximum;

c. Faucet aerators - two gallons per minute maximum;

d. Outside hose bib with vacuum breaker - four gallons per minute maximum at fifty (50) pounds per square inch;

e. Pressure regulators - fifty (50) pounds per square inch with a rated capacity of at least three hundred (300) pounds per square inch;

f. Hot water recirculating pump (only where the wait for hot water at the tap exceeds approximately twenty (20) seconds);

g. Energy-Star rated domestic washing machines. (Annual re-inspection of washer installations shall insure continued use within this community)

2. The district shall maintain a list of approved replacement fixtures that meet the standards required under this subsection. The district reserves the right to only approve specified fixtures for installation. Other brands may be approved by the general manager provided that they meet applicable performance standards equivalent to the brand specified.

3. At the time of retrofit, the plumbing system will be checked for leaks and if any leaks are found they shall be repaired at the homeowner's expense. In addition, a water pressure test shall be conducted. Water pressure regulators shall be adjusted or installed in order that the water pressure does not exceed fifty (50) psig. The regulator shall be installed as close to the water meter as practical.

4. Plumbing retrofits shall be conducted so that the entire residential or commercial structure shall be brought up to the standards required under this section, wherever practical; however, partial retrofits shall be allowed for reduced point values. All work shall conform to applicable law and shall be warranted for a period of one year.

5. The contractor shall be responsible for disposal of the old toilet and replacement of the toilet seat if requested by the home owner. All additional repairs to make the toilet fit in the bathroom, as well as repairs for damage, shall be at the plumber's expense. All refuse and discarded materials created by the retrofit shall be removed from the project volunteer's premises on the same day the work is performed. Failure to remove materials as required will result in the assessment of a mandatory re-inspection fee.

B. Points shall be assigned to agriculture water conservation projects on a comparable basis to the equivalency table and conversion chart provided in Appendix 4.20. The general manager shall make determinations as to the estimated amount of water to be saved based on the proposed project to be conducted. In cases where a special installation is required or where unforeseen costs are incurred, the general manager may issue additional points. The general manager shall determine the eligibility of properties under this program as well as the type of installations eligible for participation under this program.

C. The following general provisions shall be applicable to the provisions of this section:

1. This program shall be conducted by licensed, bonded, and insured contractors. The general manager may require that the contractor put a bond or cash deposit on file with the district and/or attend a district sponsored orientation program as a condition of providing services under this

program. On request, the contractor shall provide the district with detailed costs and invoices associated with any installation under this program.

2. The general manager may approve waivers and/or extensions where the conservation fixture(s) is not sufficient for the intended use, where there are significant problems associated with the installation, where the special demands of the household or business require modification, where additional time is needed to complete a project and/or where appropriate conservation fixtures are not readily available for the particular installation. Such waivers or extensions shall be in writing and may require additional water reduction methods to be installed to offset the nonconforming fixtures.

3. The general manager may approve the use of in-lieu fees not to exceed one thousand dollars ($1,000.00) for any one retrofit project for the installation of unique or special fixtures and/or equipment associated with plumbing or agricultural retrofitting. The use of such funds shall include, but not be limited to: wall hung, one piece or specialty toilets; extensive replacement materials required of an installation; unique equipment needed for agricultural retrofits or for other types of related installation issues.

4. The board of directors establishes the following categories for the use of funds collected from in-lieu fees: plumbing retrofits for volunteers, water conservation and retrofit consultant study, leak detection, meter audits, and any other expenditure approved by resolution of the board of directors.

(Ord. 9-2003 Attach. 1 (part))

4.20.060 - Program administration.

A. The general manager is authorized to establish such procedures and such forms as are necessary to implement this program.

B. The general manager shall monitor and periodically report to the board of directors the status of the program, and its ability to meet the intended purposes.

C. The general manager shall designate appropriate staff to conduct pre-inspection and final inspections for verification of compliance with this chapter and otherwise delegate responsibility for program administration.

D. The general manager shall implement retrofit project priorities, taking into account the amount of funds available, and the board's priorities for use of funds.

(Ord. 9-2003 Attach. 1 (part))

4.20.070 - Administrative fees.

A. A nonrefundable administrative fee shall be payable to the district by applicants eligible for intent to serve letters. The fee shall cover the cost of administering this program as well as the necessary pre- and final inspections.

B. In the event that an applicant withdraws prior to completing this program, or fails to meet appropriate deadlines, the administrative fee shall be forfeited.

C. The minimum fees established under this section shall be for normal processing of applications

under this program. In the event that inspections on any individual project are required beyond the pre- and final inspection, additional inspection charges may be charged. The district reserves the right to charge for time and materials on any project that exceeds the costs identified in this section.

(Ord. 9-2003 Attach. 1 (part))

4.20.080 - Time limit and transferability.

A. Plumbing retrofit approvals may be "assigned" to a new owner upon the sale of the property for which the retrofits were conducted or "transferred" to a new property pursuant to the district's assignment and transfer programs. No other assignment or transfer of retrofit credits shall be permitted.

B. This program shall be in effect until rescinded or modified by the board of directors.

(Ord. 9-2003 Attach. 1 (part))

Appendix 4.20 - RETROFIT POINTS EQUIVALENCY TABLE

Points: 1 point is equal to .72 annual water unit or 1.47 gallons per day

Fixture Values:

Each existing home or fixture retrofitted is worth the following points:

Each 3.5 gpm toilet replaced with 1.6 gpm	5.4 points
Each whole house upgrade (faucets, shower heads & pressure regulator)	2.7 points
Each Hot Water recirculation pump installed*	6.8 points
Each Energy-Star domestic washing machine installed	6.65 points
Each 3,000 gallon (minimum) non-potable cistern	22.0 points

Editor's note— * Hot water recirculation pump shall only be installed where the wait for hot water at the tap exceeds about twenty (20) seconds.

Editor's note— NOTE: Builders performing actual retrofits are responsible for locating their own retrofit points, arranging details and obtaining commitments from property owners. Payment of the "in lieu" fee relieves builder of further involvement in retrofitting other properties, unless otherwise required as a condition of county building permit.

Points Required to Build a New Project:

No. of "Basic Full Baths" in proposed project (See per fixture fees for additional partial baths)

"Basic Full Bath" = 1 toilet, 1/tub/shower combination, and 1 sink.					
Each point = $50 "In Lieu Fee" (Fees in this chart are illustrative only	1 Bath	2 Baths	3 Baths	4 Baths	5 or More

and subject to change. Fees should be confirmed with district fee schedule in effect at time of charges)					
	Points/In Lieu Fee	Points/In Lieu Fee	Points/In Lieu Fee	Points/In Lieu Fee	Points/In Lieu Fee
Parcel Size					
Under 4,000 Sq. Ft.	80/$4,000	100/$5,000	125/$6,250	150/$7,500	175/$8,750
4,000 — 8,000 Sq. Ft.	90/$4,500	125/$6,250	150/$7,500	175/$8,750	200/$10,000
All projects over 8,000 sq. ft. require cistern installation in addition to retrofit points shown here.					
8,001 - 16,000 Sq. Ft.	100/$4,500	150/$7,500	175/$8,750	200/$10,000	250/$12,500
16,001-32,000 Sq. Ft.	110/$5,500	175/$8,500	200/$10,000	250/$12,500	300/$15,000
Over 32,000 Sq. Ft.	120/$6,000	200/$10,000	225/$11,250	300/$15,000	325/$16,250
Each common-wall condominium, or attached multi-family unit				100 points / $5,000 (per unit)	
Commercial Projects (per EDU)				125 points / $6,250 (per EDU)	
Per-fixture fees for partial and/or oversized baths = toilet or sink $400 (8 points), tub or shower $800 (16 points)					

Editor's note— New Construction Example:

Editor's note— To build a 3-bathroom house on a 9,000 sq. ft. lot requires 175 points. 175 points equate to 126 water units per year, or 21 units per billing period (average). Points may be satisfied in any combination totaling at least 175, such as:

Replace 21 toilets @ 5.4 points	113.40 points
Install 3 Energy-Star Washers @ 6.65 points	19.95 points
3 Whole-house upgrades @2.7 points	8.10 points
Install 5 hot-water recirc. pumps @ 6.8 points	34.00 points
TOTAL	175.45 points

Remodel Regulations

Remodels may not change the type of service existing

(i.e. a single-family residence may not be converted to a multi-family dwelling)

How to determine if your remodel requires any processing by CCSD:

QUESTION	If YES, then
Will your remodel add less than 25% to your existing habitable floor space, and no water using fixtures?	No further process required from CCSD
Will your remodel add more than 25% to your existing habitable floor space?	Plan Review required.*
Will your remodel add any water-using fixtures?	Plan Review required* and impact fees due. See Fee Schedule below
Will your remodel require additional EDU allocation (i.e. commercial use increase, or additional residential dwelling being created)	NOT ALLOWED under water moratorium

Editor's note— * Plan review includes submittal to CCSD of a completed application form, a copy of the remodel floor plans being submitted to county planning (reduced size if possible), and also, existing (pre-remodel) floor plan for comparison of water fixtures.

District will review your plans, and upon approval of project will provide you with a "Verification of Water Service" letter for county. Applicable fees and conditions of approval will be indicated on the letter.

Exhibit 2

Impact Fee Schedule:	
Plan Review Only—No fixtures being added (with Letter for County)	$25.00
Additional water fixtures:	Fee Includes letter for county
Each Additional Toilet	$400.00 (8 points)
Each Additional Kitchen or Bath Sink	$400.00 (8 points)
Each Additional Clothes Washer	$400.00 (8 points)
Each Additional Tub or separate Shower	$800.00 (16 points)
Each Additional Bar or Laundry Sink	$200.00 (4 points)

(Ord. 9-2003 Exh. 1)

APPENDIX K – WATER AUDIT METHOD

AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

? Click to access definition
+ Click to add a comment

Water Audit Report for: Cambria Community Services District
Reporting Year: FY 12/13 7/2012 - 6/2013

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

Master Meter and Supply Error Adjustments

WATER SUPPLIED <---------- Enter grading in column 'E' and 'J' ----------> Pcnt: Value:

Volume from own sources:	8	743.000	acre-ft/yr	8	0.00%		acre-ft/yr
Water imported:	1		acre-ft/yr				acre-ft/yr
Water exported:	1		acre-ft/yr				acre-ft/yr
WATER SUPPLIED:		**743.000**	acre-ft/yr				

Enter negative % or value for under-registration
Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Click here: ? for help using option buttons below

Billed metered:	7	670.000	acre-ft/yr		
Billed unmetered:	1	0.000	acre-ft/yr		
Unbilled metered:	1	34.630	acre-ft/yr		
Unbilled unmetered:	1	27.000	acre-ft/yr	27.000	acre-ft/yr

Unbilled Unmetered volume entered is greater than the recommended default value

Use buttons to select percentage of water supplied OR value

AUTHORIZED CONSUMPTION:		**731.630**	acre-ft/yr		
WATER LOSSES (Water Supplied - Authorized Consumption)		**11.370**	acre-ft/yr		
Apparent Losses				Pcnt:	Value:
Unauthorized consumption:		1.858	acre-ft/yr	0.25%	acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	1	7.117	acre-ft/yr	1.00%	acre-ft/yr
Systematic data handling errors:		1.675	acre-ft/yr	0.25%	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses:		**10.650**	acre-ft/yr
Real Losses (Current Annual Real Losses or CARL)			
Real Losses = Water Losses - Apparent Losses:		**0.720**	acre-ft/yr
WATER LOSSES:		**11.370**	acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER:		**73.000**	acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	1	66.7	miles
Number of active AND inactive service connections:	1	4,028	
Service connection density:		60	conn./mile main
Are customer meters typically located at the curbstop or property line?		Yes	
Average length of customer service line:			(length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure:	5	85.0	psi	

COST DATA

Total annual cost of operating water system:	10	$2,696,148	$/Year	
Customer retail unit cost (applied to Apparent Losses):	8	$6.16	$/100 cubic feet (ccf)	
Variable production cost (applied to Real Losses):	1	$2,685.00	$/acre-ft	☑ Use Customer Retail Unit Cost to value real losses

Retail costs are less than (or equal to) production costs; please review and correct if necessary

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 59 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources
2: Unbilled metered
3: Customer metering inaccuracies

APPENDIX L – ADOPTION RESOLUTION

Documentation pending. It will be included in the Final Draft of this 2015 UWMP

APPENDIX M – DOCUMENTATION OF 2015 UWMP SUBMITTAL

Documentation pending. It will be included in the Final Draft of this 2015 UWMP.

APPENDIX N – PROJECT CONTACT LIST

Name	Phone Number	E-mail	Comments
Bob Gresens	Office: 805-927-6223	bgresens@cambriacsd.org	District Engineer Cambria Community Services District P.O. Box 65 1316 Tamsen Street, Suite 201 Cambria, CA 93428
Lisa Maddaus	(916) 730-1456	lisa@maddauswater.com	2015 UWMP Maddaus Water Management Project Manager

RESOLUTION NO. 44-2016
December 15, 2016

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE CAMBRIA COMMUNITY SERVICES DISTRICT
APPROVING THE 2015 URBAN WATER MANAGEMENT PLAN

WHEREAS, the California Legislature enacted Assembly Bill 797 (Water Code Section 10610 et seq., known as the Urban Water Management Planning Act) during the 1983-1984 Regular Session, and as amended subsequently, which mandates that every supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually, prepare an Urban Water Management Plan, the primary objective of which is to plan for the conservation and efficient use of water; and

WHEREAS, the District is an urban water supplier providing water to a population over 6,000; and

WHEREAS, the Urban Water Management Plan ("Plan") shall be periodically reviewed at least once every five years, and the District shall make any amendments or changes to its Plan which are necessitated by the review; and

WHEREAS, the District prepared and circulated for public review a draft 2015 Urban Water Management Plan, and a properly noticed public hearing regarding said Plan was held by the District on December 15, 2016.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cambria Community Services District as follows:

1. The 2015 Urban Water Management Plan is hereby approved and ordered filed with the District Clerk; The General Manager is hereby authorized and directed to file the 2015 Urban Water Management Plan with the California Department of Water Resources within 30 days after this date.

2. The General Manager is hereby authorized and directed to implement the Water Conservation Programs as set forth in the 2015 Urban Water Management Plan, which includes recommendations to the District regarding necessary procedures, rules, and regulations to carry out effective and equitable water conservation and water recycling programs.

PASSED AND ADOPTED THIS 15th day of December, 2016, by the following vote:

Ayes:
Nays:
Absent:
Abstain:

_____
_____, President
Board of Directors

ATTEST:

_____
Monique Madrid
District Clerk

APPROVED AS TO FORM:

_____
Timothy J. Carmel
District Counsel

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **9.A.**

FROM: Jerry Gruber, General Manager

Meeting Date: December 15, 2016

DISCUSSION AND CONSIDERATION OF APPROVAL TO FILE A CONCEPT PROPOSAL AND AN APPLICATION FOR A CAL FIRE URBAN AND COMMUNITY FORESTRY PROGRAM GREENHOUSE GAS BIOMASS GRANT IF THE DISTRICT'S CONCEPT PROPOSAL IS SELECTED, FOR ACQUISITION OF A BIOMASS GENERATOR SYSTEM

RECOMMENDATIONS:
Staff recommends that the Board of Directors authorize the General Manager to submit a concept proposal to CAL FIRE, and if the concept proposal is selected, to file an application for a CAL FIRE Urban and Community Forestry Program Greenhouse Gas Biomass grant (the "Grant") to acquire a biomass generator system.

FISCAL IMPACT:
If the Grant is awarded to the CCSD, there will be a 25% matching requirement. Staff will return to the Budget Committee and the Board with additional information regarding funding the matching amount if the CCSD is awarded the Grant, once operational and permitting costs for the biomass generator system are determined and prior to finalizing acceptance of the Grant.

DISCUSSION:
In November, 2015, the Board of Directors adopted a policy relating to grant applications (the "Grant Policy"). Under the Grant Policy, grants that could have significant financial impacts on the CCSD are to be submitted to an appropriate Board subcommittee, as well as to the Board for approval prior to application submission. The Grant has a 25% matching requirement, although as discussed below, the proposed acquisition of a biomass generator system could also result in significant savings in electrical costs to the District in operating the Wastewater Treatment Plant.

Dan Turner, Business Manager of the San Luis Obispo County Fire Safe Council, has advised the District that the application period for "concept proposals" for CAL FIRE's Greenhouse Gas Grant program is open and that one of the grant categories has a specific component related to Forest Bio Mass utilization that he believes is a perfect fit for the CCSD's acquisition of a biomass generator system, which will allow for the disposal of tree waste from dead trees. The proposed generator system is an Advanced Power Labs (APL) Powertainer PT 150 (specifications attached) and would be located at the CCSD's Wastewater Treatment Plant. According to APL, this system is designed to address forest-fire mitigation, especially due to beetle and drought tree kills, via a waste-to-energy solution that avoids the air pollution & carbon impact of typical open-burn disposal.

Mr. Turner has provided the following information and analysis regarding the proposed system:

The Advanced Power Labs (APL) Powertainer device is portable and built within an 8 x 20-foot cargo shipping container and connected to the Plant's electrical system. At capacity, the Powertainer biomass generator will generate 150KwH of electricity for use at the Wastewater Treatment Plant,

offsetting that much energy being purchased through PG&E (somewhat like having a solar system on a residential roof). APL estimates that paying full purchase price (approximately $300,000) and purchasing wood chips at market rate will result in enough energy savings ($75,000-100,000/year) from PG&E for a full return on the investment purchase price in three to four years.

The Powertainer biomass generator does not “burn" the chips and there is no smoke. The process is called “pyrolysis” or gasification. A detailed explanation of the process is attached. Basically, the wood chips (which are hydro carbons) are heated to just below combustion temperature, where they chemically break down into "wood gas" (hydrogen primarily, and some other minor gases) and bio-char (essentially activated charcoal). The wood gas is used to fuel a gas engine that turns an electric generator that produces energy; hydrogen burns very clean and there are minimal emissions. The bio-char is permanently "sequestered carbon" and is a viable commercial product, and can also be used as soil amendment and for other purposes. The Powertainer biomass generator uses approximately 4 tons of chips per day for 24 hours a day, 7 days a week operation.

No chipping or grinding would take place at the Wastewater Treatment Plant. Two to three times per week, a dump truck would deliver wood chips during business hours and store them within the fenced area of the plant. Noise levels and any emissions will be compliant with County requirements. Mr. Turner has also advised that County Planning, PG&E and County Air Pollution Control District are all aware and supportive of the concept proposal. Attached are maps that show the locations and supply for the generator.

The CAL FIRE grant process includes two steps. First, concept proposals are submitted and reviewed and scored by CAL FIRE, who determines which concept proposals will be selected for development into project applications. CAL FIRE will then notify applicants via letter whether their concept proposal has been invited to submit a project application. If the application is approved, a grant agreement is then prepared for the grantee to execute.

CAL FIRE’s Greenhouse Gas Grant program has approximately $2.25 million available for non-disadvantaged communities statewide. Mr. Turner has generously offered to assist in writing the concept proposal and, if selected for the next level, the Grant application. He has also indicated that Cal Poly resources will be available for greenhouse gas benefit calculations required for the process. Since concept proposals are due on December 16th, the General Manager has taken the liberty of asking Mr. Turner to start the process of preparing the Grant concept proposal.

Please see attachments received via email from Dan Turner dated Dec. 11, 2016 at 10:29 p.m. regarding Greenhouse gas concept paper draft and Cambria Forest Biomass Cogeneration pdf and Cambria Forest Biomass Cogeneration Project

Attachments: Advanced Power Labs (APL) Powertainer PT 150 Specifications
How Gasification Works
Location and Supply Maps
Dan Turner email dated Dec. 11, 2016; 10:29 a.m.
Cambria Forest Biomass Cogeneration.pdf
Cambria Forest Biomass Cogeneration Project

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS ___THOMPSON: ___BAHRINGER ___RICE ___SANDERS ___FARMER

ALL POWER LABS

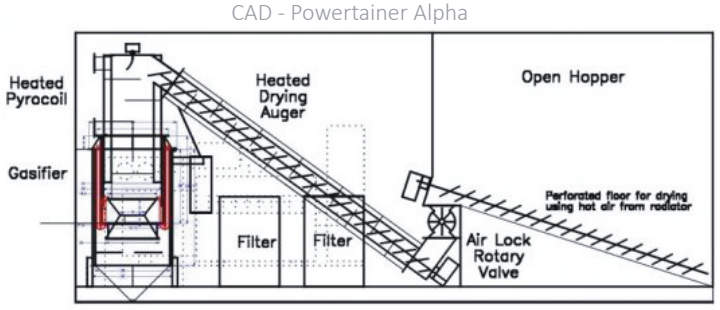
Carbon Negative Power & Products

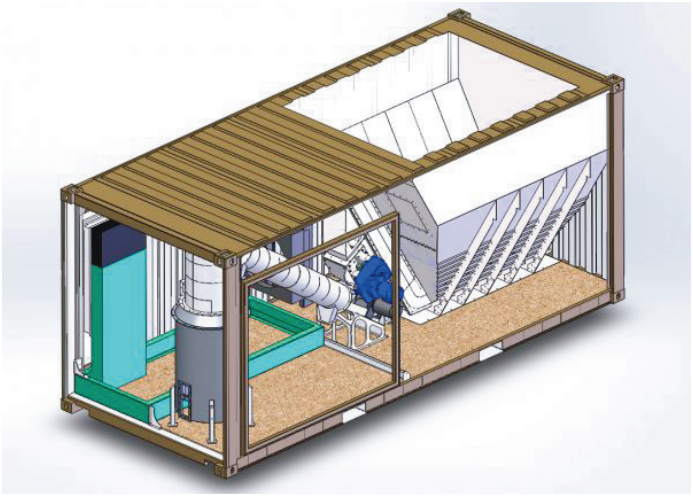
POWERTAINER - PT150 Beta 2

RENEWABLE, AFFORDABLE ON-DEMAND POWER

The **ALL Power Labs Powertainer PT150** is a compact & cost-optimized biomass power generation system, enclosed within a standard 20' shipping container. The system is fully automated & complete–from biomass hopper, gasifier and gas filtering, to engine, generator & electrical output control–all within the shipping container envelope. Designed to address forest-fire mitigation, especially due to beetle and drought tree kills, via a waste-to-energy solution that avoids the air pollution & carbon impact of typical open-burn disposal.

CAD - Powertainer Alpha





PERFORMANCE SPECIFICATIONS

PRELIMINARY VALUES	
Maximum Continuous Power Output [1]	150 kWe @ 60Hz
Minimum Continuous Power Output [1]	30 kWe @ 60 Hz
Thermal Output Coolant Only	150 kWt 1 kWt:1 kWe
System Efficiency Electrical Thermal - Coolant Only	55% 20% 35%
Fuel Consumption	1.0 kg/kWh
Maximum Continuous Operation	24 hours
First Start Fuel Drying	Yes
Form Factor Footprint Standard ISO container	8' x 8' x 20'
Sound Level @ 10 meters	85 db(A)

[1] Actual power will vary depending on fuel type, shape, energy density and moisture content.

OPERATIONS & MAINTENANCE

ESTIMATED VALUES	
Operators/Maintenance Personnel	2
Daily Service Requirement	2 hours/day
Design Yearly Operating Hours	5200
Start-up Time	0.75 hours
O&M Cost - Percentage of Capital Cost	10-15% per annum

BIOMASS FEEDSTOCK

SPECIFICATIONS	
Size	1/2 inch - 1 1/2 inch (12-40 mm)
Moisture Content - Dry Basis	80%
Forest Thinning for Fire Mitigation	Yes
Planned Primary Feedstock[3] Expected Normal Operating Procedure	Nut Shells (e.g. Walnut, Hazelnut) Softwood Chips (e.g. Fir, Pine) Hardwood Chips (e.g. Oak, Ash)
Targeted for additional Testing [3] Possible Increased Operating Effort	Corn Cobs Coconut Shells Palm Kernel Shells
Not Approved Dangerous & Will Void Warranty	Coal Tires Medical Waste Plastic Municipal Solid Waste

[3] Warranty coverage for any particular species of feedstock requires specific testing and approval. Visit ***http://www.allpowerlabs.com/fuels*** for latest information on feedstock suitability.

All specifications are subject to change without notice

ALL Power Labs - 1010 Murray Street Berkeley, CA 94710 U.S.A.
+1-510-845-1500 Email: sales@allpowerlabs.com Web: allpowerlabs.com

REV: 5.13.16

How Gasification Works

Gasification as incomplete combustion

Gasification is most simply thought of as choked combustion or incomplete combustion. It is burning solid fuels like wood or coal without enough air to complete combustion, so the output gas still has combustion potential. The unburned gas is then piped away to burn elsewhere as needed.

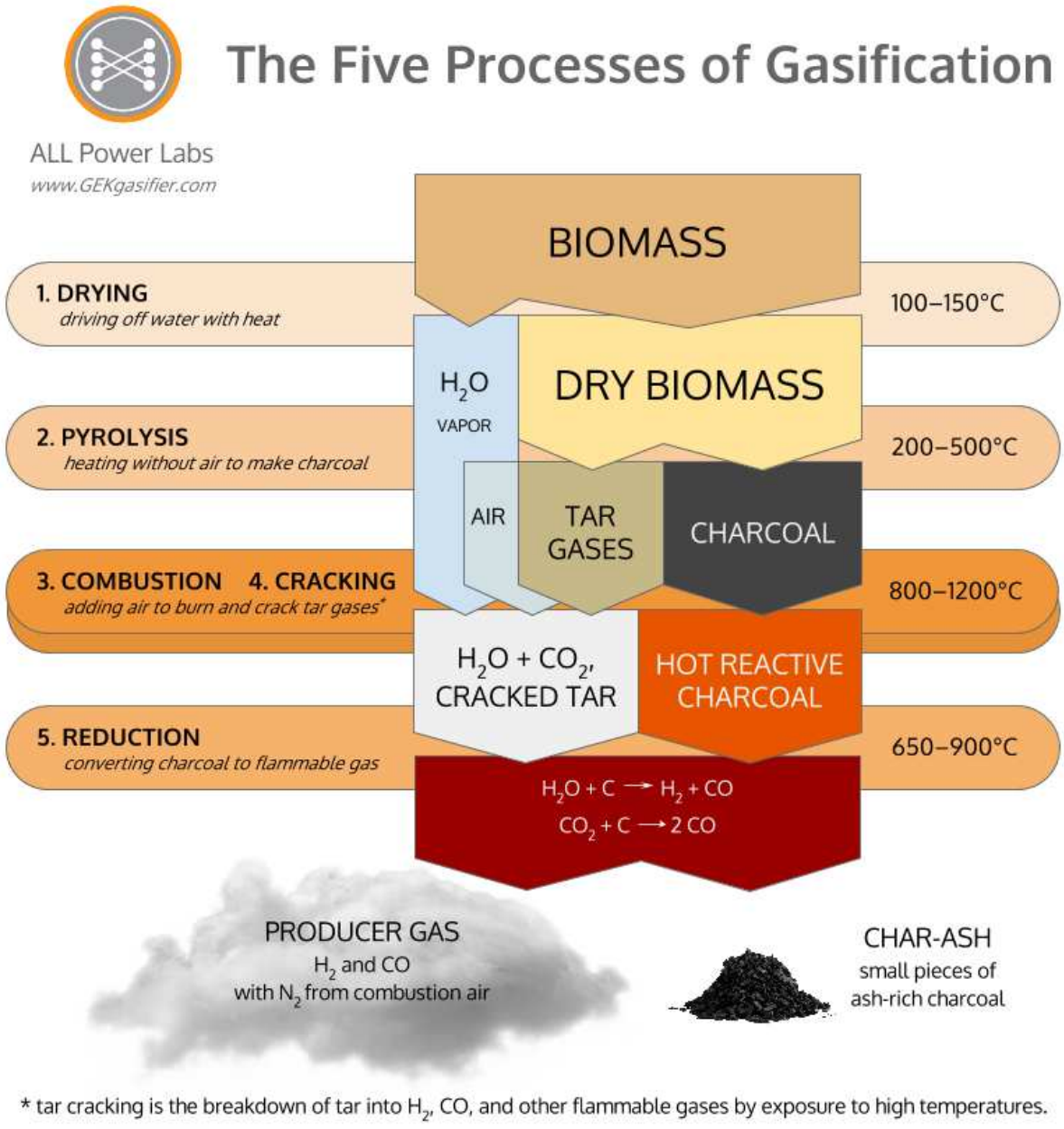
Gas produced by this method goes by a variety of names: “wood gas”, “syngas”, “producer gas”, “town gas”, “generator gas”, and others. It’s sometimes also called “biogas”, though biogas more typically refers to gas produced via microbes in anaerobic digestion. In the context of biomass gasification using air-aspirated gasifiers, the term *producer gas* is the term we will be using, since the other terms have implications that do not necessarily apply to the gas produced by our gasifiers.

How we get there: the Five Processes of Gasification.

Now let’s complicate things slightly. True gasification is a bit more than just the choked combustion summary presented above. It is more accurately understood as *staged combustion*. It is a series of distinct thermal events put together so as to purpose convert solid organic matter into specific hydrocarbon gases as output.

Simple incomplete combustion is a dirty mess. The goal in gasification is to take control of the discrete thermal processes usually mixed together in combustion, and reorganize them towards desired end products. In digital terms, “Gasification is the operating system of fire”. Once you understand its underlying code, you can pull fire apart and reassemble it to your will, as well as a stunning variety of end products and processes.

Gasification is made up for five discrete thermal processes: *Drying*, *Pyrolysis*, *Combustion*, *Cracking*, and *Reduction*. All of these processes are naturally present in the flame you see burning off a match, though they mix in a manner that renders them invisible to eyes not yet initiated into the mysteries of gasification. Gasification is merely the technology to pull apart and isolate these separate processes, so that we might interrupt the “fire” and pipe the resulting gases elsewhere.



Three of these processes tend to confuse all newcomers to gasification. Once you understand these three processes, all the others pieces fall in place quickly. These three non-obvious processes are Pyrolysis, Cracking, and Reduction. Here's the quick cheat sheet.

Pyrolysis

Pyrolysis is the application of heat to raw biomass, in an absence of air, so as to break it down into charcoal and various tar gasses and liquids. It is essentially the process of charring.

Biomass begins to rapidly decompose with heat with once its temperature rises above around 240°C. The biomass breaks down into a combination of solids, liquids and gasses. The solids that remain we commonly call *charcoal*. The gasses and liquids that are released we collectively call *tars*.

The gasses and liquids produced during lower temp pyrolysis are simply fragments of the original biomass that break off with heat. These fragments are the more complicated H, C and O molecules in the biomass that we collectively refer to as volatiles. As the name suggests, volatiles are reactive. Or more accurately, they are less strongly bonded in the biomass than the fixed carbon, which is the direct C to C bonds.

The input to gasification is some form of solid carbonaceous material— typically biomass or coal. All organic carbonaceous material is made up of carbon (C), hydrogen (H), an oxygen (O) atoms– though in a dizzying variety of molecular forms. The goal in gasification is to break down this wide variety of forms into the simple fuel gasses of H_2 and CO— hydrogen and carbon monoxide.

Both hydrogen and carbon monoxide are burnable fuel gasses. We do not usually think of carbon monoxide as a fuel gas, but it actually has very good combustion characteristics (despite its poor characteristics when interacting with human hemoglobin). Carbon monoxide and hydrogen have about the same energy density by volume. Both are very clean burning as they only need to take on one oxygen atom, in one simple step, to arrive at the proper end states of combustion, CO_2 and H_2O. This is why an engine run on producer gas can have such clean emissions. The engine becomes the "afterburner" for the more dirty and difficult early stages of combustion that now are handled in the gasifier.

Thus in review, pyrolysis is the application of heat to biomass in the absence of air/oxygen. The volatiles in the biomass are evaporated off as tar gases, and the fixed carbon-to-carbon chains are what remains— otherwise known as charcoal.

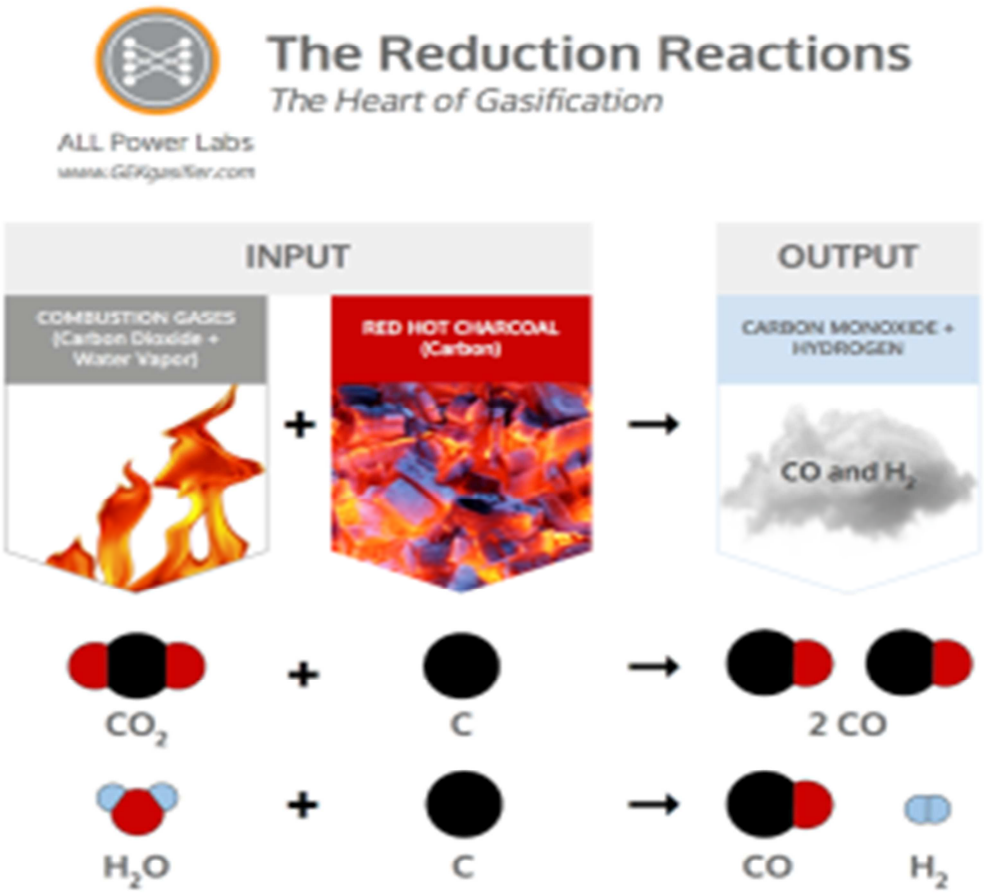
Cracking

Cracking is the process of breaking down large complex molecules such as tar into lighter gases by exposure to heat. This process is crucial for the production of clean gas that is compatible with an internal combustion engine because tar gases condense into sticky tar that will rapidly foul the valves of an engine. Cracking is also necessary to ensure proper combustion because complete combustion only occurs when combustible gases thoroughly mix with oxygen. In the course of combustion, the high temperatures produced decompose the large tar molecules that pass through the combustion zone.

Reduction

Reduction is the process stripping of oxygen atoms off combustion products of hydrocarbon (HC) molecules, so as to return the molecules to forms that can burn again. Reduction is the direct reverse process of combustion. Combustion is the combination of combustible gases with oxygen to release heat, producing water vapor and carbon dioxide as waste products. Reduction is the removal of oxygen from these waste products at high temperature to produce combustable gases. Combustion and

Reduction are equal and opposite reactions. In fact, in most burning environments, they are both operating simultaneously, in some form of dynamic equilibrium, with repeated movement back and forth between the two processes.



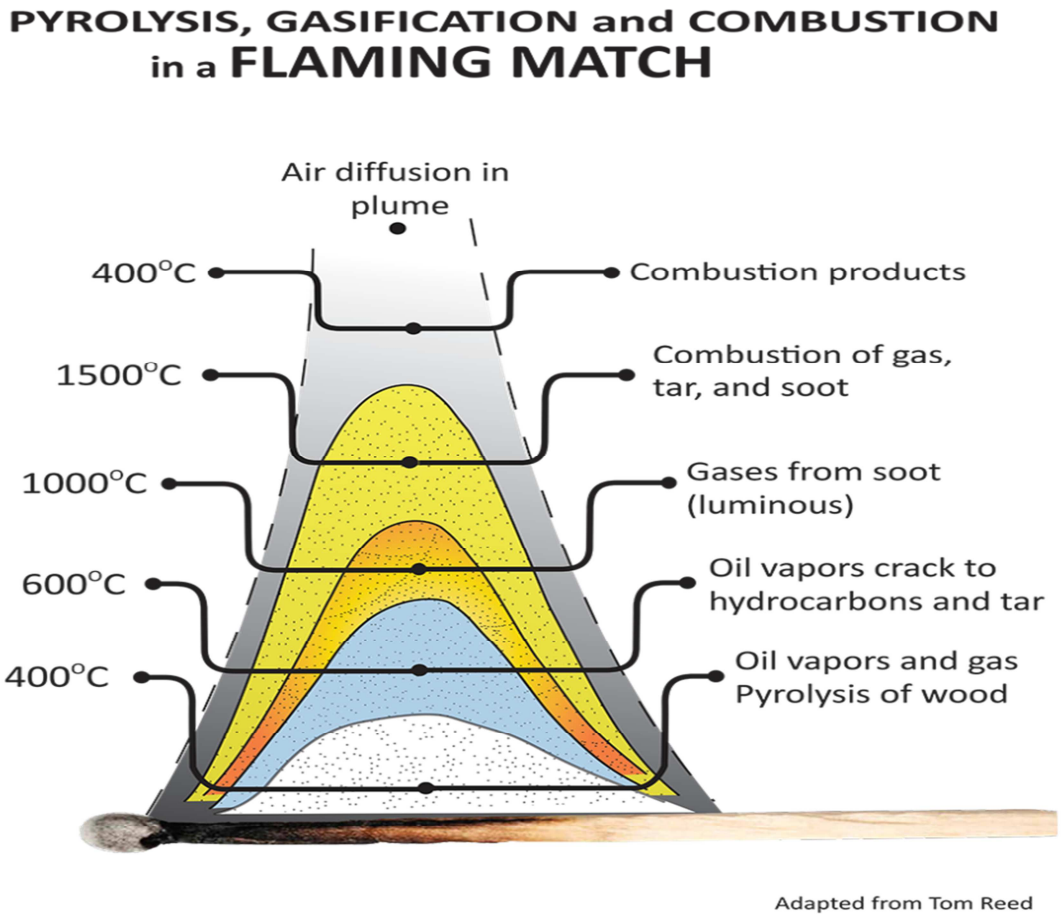
Reduction in a gasifier is accomplished by passing carbon dioxide (CO_2) or water vapor (H_2O) across a bed of red hot charcoal (C). The carbon in the hot charcoal is highly reactive with oxygen; it has such a high oxygen affinity that it strips the oxygen off water vapor and carbon dioxide, and redistributes it to as many single bond sites as possible. The oxygen is more attracted to the bond site on the C than to itself, thus no free oxygen can survive in its usual diatomic O_2 form. All available oxygen will bond to available C sites as individual O until all the oxygen is gone. When all the available oxygen is redistributed as single atoms, reduction stops.

Through this process, CO_2 is reduced by carbon to produce two CO molecules, and H_2O is reduced by carbon to produce H_2 and CO. Both H_2 and CO are combustable fuel gases, and those fuel gasses can then be piped off to do desired work elsewhere.

Combustion and Drying:

These are the most easily understood of the Five Processes of Gasification. They do what we think by common understanding, though now they do it in the service of Pyrolysis and Reduction.

Combustion is the only net exothermic process of the Five Processes of Gasification; ultimately, all of the heat that drives drying, pyrolysis, and reduction comes either directly from combustion, or is recovered indirectly from combustion by heat exchange processes in a gasifier. Combustion can be fueled by either the tar gasses or char from Pyrolysis. Different reactor types use one or the other or both. In a downdraft gasifier, we are trying to burn the tar gasses from pyrolysis to generate heat to run reduction, as well as the CO_2 and H_2O to reduce in reduction. The goal in combustion in a downdraft is to get good mixing and high temps so that all the tars are either burned or cracked, and thus will not be present in the outgoing gas. The char bed and reduction contribute a relatively little to the conversion of messy tars to useful fuel gasses. Solving the tar problem is mostly an issue of tar cracking in the combustion zone.



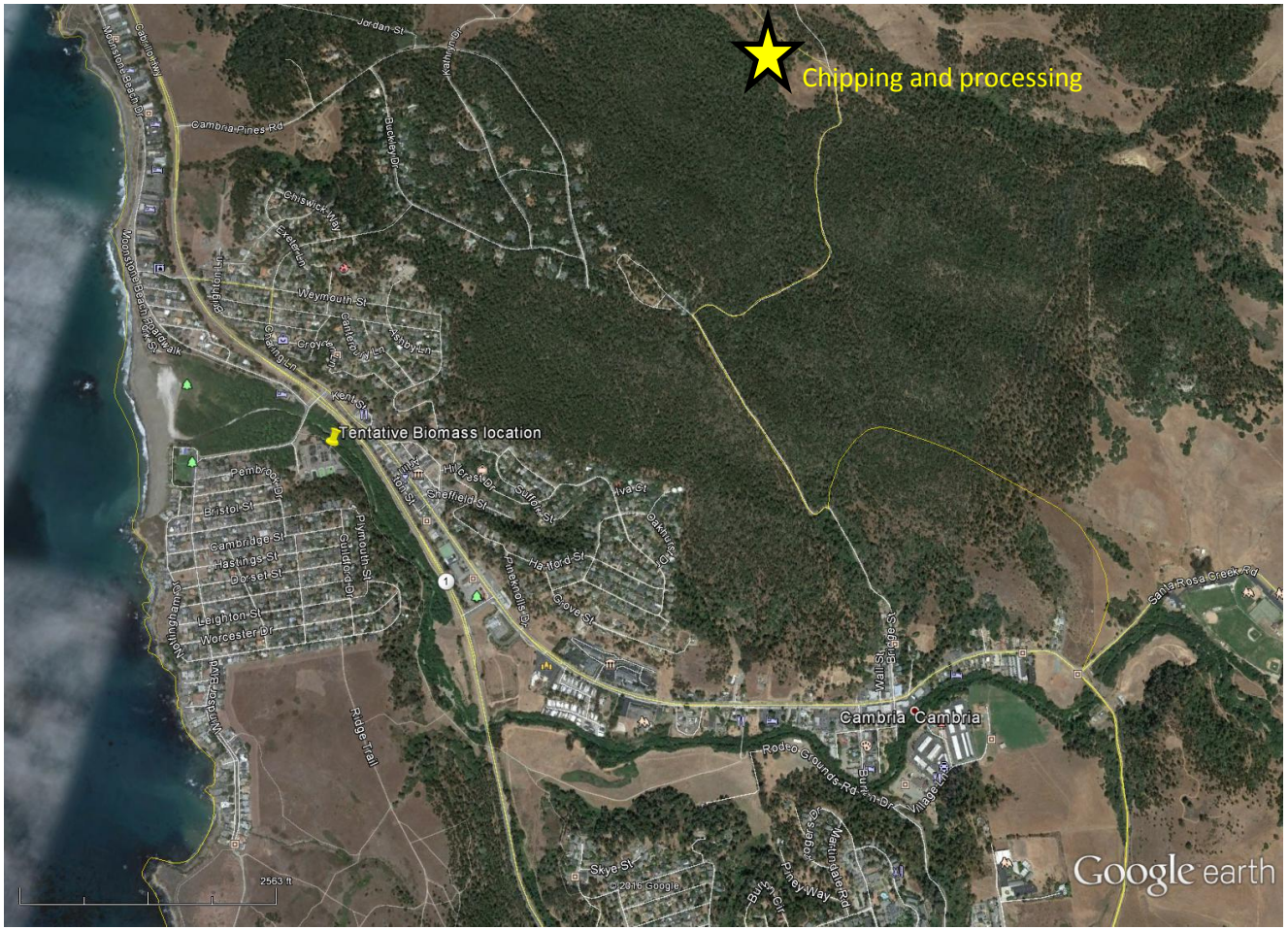
Drying is what removes the moisture in the biomass before it enters Pyrolysis. All the moisture needs to be (or will be) removed from the fuel before any above 100°C processes happen. All of the water in the biomass will get vaporized out of the fuel at some point in the higher temp processes. Where and how

this happens is one of the major issues that has to be solved for successful gasification. High moisture content fuel, and/or poor handling of the moisture internally, is one of the most common reasons for failure to produce clean gas.

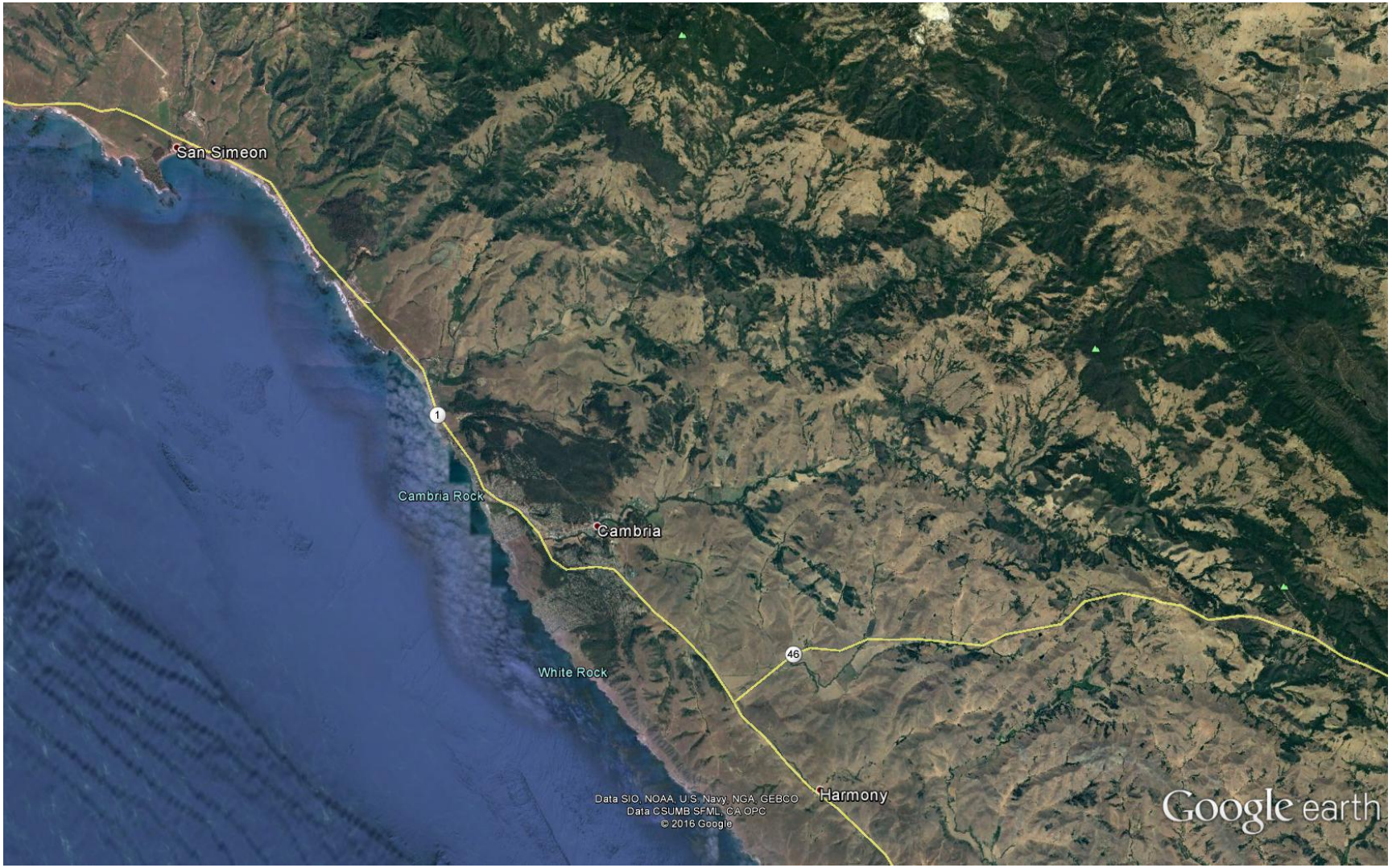
More simply you might just think of gasification as burning a match, but interrupting the process by piping off the clear gas you see right above the match, not letting it mix with oxygen and complete combustion. Or you might think of it as running your car engine extremely rich, creating enough heat to break apart the raw fuel, but without enough oxygen to complete combustion, thus sending burnable gasses out the exhaust. This is how a hot rodder gets flames out the exhaust pipes.

Cambria Waste water plant

Cambria Woody Bio-mass Power



Monterey Pine Forest feedstock supply



Monique Madrid

From: Jerry Gruber
Sent: Monday, December 12, 2016 10:14 AM
To: Dan Turner; Bruce Fosdike
Cc: Monique Madrid; Lane Harkins; David H. Hirsch; Tim Carmel (tcarmel@carnaclaw.com); Michael Thompson; Sanders, Greg (gsanders@nossaman.com)
Subject: FW: Greenhouse gas concept paper DRAFT
Attachments: Cambria Forest Biomass Co-generation.pdf; Cambria Forest Biomass Co-Generator Project.xlsx

Let's drop back a little please. The agenda goes out to day for the CCSD Board of Directors .The staff report is already written. I will check with District Counsel to see if it is alright to add this additional information as an addendum to the staff report to provide the CCSD Board of Directors with additional information to assist them with their policy making decision. In the future it would be extremely helpful if we could receive information well in advance of a schedule Board Meeting please.

Thanks,

Jerry

From: Dan Turner [mailto:dt5314@gmail.com]
Sent: Sunday, December 11, 2016 10:29 PM
To: Bruce Fosdike; Jerry Gruber
Cc: Dan Dulitz
Subject: Greenhouse gas concept paper DRAFT

Jerry/Bruce/ Dan Dulitz

please review the attached Greenhouse Gas Concept Paper draft.

GRANT REQUEST $381,700

The concept is to acquire a APL Powertainer co-gen plant (estimated $330,000 full price) either through purchase or lease.

AND, acquire biochar generator for Cambria high school and/or Cal Poly.

I am somewhat concerned about the probability of being selected by asking for full cost of $381,700 since there is only $3.5 million available statewide and we are asking for 10% of the total. We have a good project and hopefully, if funding of entire project is not possible they MAY ask us to reduce request to stay in consideration for next round.

DIRECT EXPENSE

1. $ 2,000 travel for CCSD Staff to go to Berkeley
2. $330,000 to acquire APL Powertainer
3. $ 15,000 to acquire biochar generator for Cambria HS or Cal Poly
4. $ 34,700 for 10% indirect for grant management (set percentage)

$215,000 MATCH is:

1. $ xxx,xxx CCSD staff salaries/benefits to operate powertainer;
2. $ 5,000 Supplies to operate powertainer and bio char generator
3. $ 1,000 Supplies for biochar
4. $ 88,000 3 years of wood chips (funded from other grants)
5. $ 15,000 Cal Poly monitoring (funded from other grants)
6. $ 5,000 Tree planting (funded from other grants)

I need actual hourly salary rates and benefit rates for waste water treatment plant to more accurately reflect match value. There also seems to be an error in section 7A table in Education/Outreach where it shows $20,000, but there is no entry for in the two columns (it is actually using entry from row below (other direct costs). Spreadsheet error grantor must fix.

GHG calculations are still a work in progress, there seems to be an anomaly in the calculator I need to get resolved with grantors Monday.

2016/2017 CAL FIRE Urban & Community Forestry Program
California Climate Investments Grants
Urban Wood and Biomass Utilization Concept Proposal

CAL FIRE GGRF Grants Advertisement Number: 16-GHG-UF-01-UWBU

Please fill out this form completely. Be sure to save a copy of this form for your records. Submit your application by selecting the button at the end of the form. Applications that are not fully filled out will not be rated. It is recommended that you submit well before the December 16, 2016 due date.

CAL FIRE USE ONLY

Organization Cambria Community Services District

Requested Grant $ $381,700.00 **Matching $** $215,250.00 **Total Project $** $596,950.00

Note: the above dollar amount boxes will be automatically filled by the budget sheet later in this application.

Project Title Cambria Forest Biomass Co-generation Project

Primary Source of Technical Advice: Registered Professional Forester

Explanation (if required):

1. Applicant information - Eligible applicants include cities, counties, qualifying districts, or nonprofit organizations qualified under section 501(c)(3) of the Internal Revenue Code. Make certain that the project manager will be the person with day-to-day responsibility for the project.

Type of Organization: Other District

Project Manager Title: General Manager

First Name: Jerry Last Name: Gruber

Email: jgruber@cambriacsd.org Phone Number: (805) 927-6223

Address 1: Cambria Community Services District

Address 2: 1316 Tamsen Street, Suite 201

City: Cambria State: California Zip Code: 93428

2. Partner information - List partner organizations with contact name and email address in the box below.

San Luis Obispo County Fire Safe Council, Dan Turner, Manager; firesafeslo@gmail.com
Cal Poly State University, Urban Forest Ecosytem Institute, Dr. Chris Dicus; cdicus@calpoly.edu
San Luis Obispo County Air Pollution Control District, Mark Elliott, melliott@co.slo.ca.us

3. Grant Period - please provide the estimated start date and completion date for your project (last possible end date is March 30, 2020). Note that final billing is due 30 days after project completion.

Project Start Date: Feb 1, 2017 Project Completion Date: Mar 30, 2020

4. Location information - List the counties, cities, and census tracts where the project will be located. Be as specific as possible for this conceptual stage of the project.

Cambria, CA (San Luis Obispo County): Cambria census tract is identified by Census Bureau as an "Urban Cluster". Cambria is comprised of 4500 small residential/business parcels and several large open space parcels. Most parcels in Cambria have native Monterey Pines or Live Oaks.

The proposed forest biomass GASIFICATION electric co-generation plant will be located at Cambria CSD waste water treatment plant Lat. 35.34'.02"; Long -121.06'.12"), within urban portion of Cambria. Forest biomass feedstock source will be from residential parcels and open space wildland urban interface forests in Cambria.
Bio Char generator will be located on Covell Ranch in Cambria (Lat 35.34'26"; Long -121.05'29")

Disadvantaged Community Benefit - To determine if your project is located in or within a 1/2 mile of a disadvantaged community, please see the maps available at **https://www.arb.ca.gov/auction proceeds**. Check the appropriate box below if your project is located within a disadvantaged community census tract or within 1/2 mile of one. Please detail how your project will serve the disadvantaged community.

☐ **Project in CalEnviroScreen2.0 Disadvantaged Community** ☐ **Project within 1/2 mile of Disadvantaged Community**

Cambria does not meet disadvantaged community criteria

5. Greenhouse Gas Methodology and Tracking - Please refer to the ARB 2016/2017 Quantification Methodology for Urban Forestry Projects at: **http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm**. This is the only accepted method to determine the estimates required below. The method includes references to tools that may be used to estimate GHG reductions.

5A. Estimated carbon stored (MT CO2e)	106,008
5B. Estimated avoided emissions (MT CO2e)	85,813
5C. Estimated project emissions (MT CO2e)	9,345
5D. Net GHG benefit (MT CO2e). *5A + 5B - 5C =*	182,476

5E. GHG Explanation. Please show below what assumptions you made about tree species and locations. Also explain how you intend to track and report GHG benefits throughout the project. Explain why you feel these assumptions are the most appropriate for your project.

The primary forest species in the Cambria area is native Monterey Pine (Pinus radiata) with associated Live Oak (Quercus sp.) and shrub species.

The community of Cambria was developed within the 3,200 acre native Monterey Pine forest and contains both public and private urban forest open space and residual forest species in developed residential areas. Monterey Pine is on world list of endangered forests. This stand has been studied extensively and landscape scale forest management plans are in place. Community goal is to restore this forest to healthy condition in perpetuity.

Co-generation and Bio Char GHG reduction calculations will be straightforward and simple by measuring product throughput in gasification co-generation and bio char generator plants. Efficiency of these units is quantified thereby allowing accurate measurement of carbon redirection from wood waste stream compared to decomposition or pile burning.

To measure forest re-growth and resulting sequestration and storage, Cal Poly University Forestry program has established permanent test plots throughout forest stand for long term monitoring of forest conditions before, during and after drought related tree mortality. Cal Poly plots track forest composition, changes (size and number of stems), health status and will measure forest changes and biomass utilization through this project lifeline.

Residential replacement tree plantings are required by County Tree Ordinance at a 3 to 1 ratio. Approximately 1500 residential parcel dead trees have been removed.

6. Scope of Work - Describe the project by answering the questions below. Responses are limited to the space provided. You may wish to refer to the grant guidelines document and the California Urban Forestry Act (Public Resources Code Sections 4799.06 - 4799.12) for guidance on parts 6A - 6C.

6A. Log/Biomass Information - Please provide the expected number of logs or tonnes of biomass to be processed annually under this proposed project. For logs, provide an estimate of species and expected weight in tonnes. Describe what would happen to the logs and/or biomass if the project does not take place.

Drought and bark beetle killed Monterey Pine are being salvage logged for highest and best use:
1. Straight trees sound enough will be milled for dimensional lumber. Slash and sawmill waste will be used for the Powertainer co-generation plant funded through this grant.
2. Trees not suitable for sawmill will be chipped and used in "150 KwH Powertainer" gasification co-generation and Bio-Char generation which sequester carbon and carbon negative.
3. If the dead pines not suitable for sawmill are not utilized for co-generation biomass the material will be left whole, pile burned, or chipped on forest floor and left to decompose.

GASIFICATION CO-GENERATION:
Our project will acquire an Advanced Power Labs (APL) 150KwH "Powertainer" portable Forest Biomass Co-generation Plant that uses 4 tons of wood chips per day, 365 days per year. 1,460 tons of wood per year and 1.2 Mega Watts of electricity per year offsetting fossil fuel use.

BIO CHAR:
Biochar is permanently sequestered carbon used for agricultural soil amendment. Biochar production with Powertainer is 2% of total wood chip tonnage processed. Annually, 1,460 tons of wood chips x .02 = 29 tons of carbon biochar.

Cal Poly will research biochar for carbon sequestration. Cal Poly biochar generation will be above “Powertainer” biochar using wood biomass materials unsuitable for gasification co-generation plant. Biochar tonnage will be dependent on feedstock type and throughput.

6B. Background and Rationale - What is the situation, condition, or problem to be addressed by the project? Did the community identify the problem? What is the nature of the community participation in identifying this problem and its solution(s)?

Cambria's 3,200 acre native Monterey Pine forest has severe mortality due to drought and bark beetle. 75% of trees greater than 15-inch diameter are dead or dying. Dead trees are being removed from residential parcels and open space wildland urban interface forest lands and processed by tub grinders and piled at green waste sites or chipped and left on ground to decompose. The community faces a significant problem disposing of massive amount of dead forest biomass.

Green waste disposal sites are currently at capacity and stockpiling wood waste is creating a fire problem. This project addresses disposal of dead forest biomass by utilizing the current and future green waste stream for electric power generation through gasification and bio char generation.

CAL FIRE, Tree Mortality Task Force, Cal Poly University Forestry program, San Luis Obispo County Board of Supervisors, County Grand Jury, County Fire Safe Council, The Nature Conservancy and other organizations have all identified the mortality problem and actively working on forest health improvement and salvage operations (complicated by being in an area with no timber operation infrastructure).

Funds from 2014-15 GHG Forest Health grant are funding removal of dead and dying trees that present immediate hazard to life and safety, wildfire, or infrastructure in residential areas. A salvage and sanitation harvest plan is in process for open space mortality areas. Portable saw mills (provided through other funds) are milling trees suitable for dimensional lumber. We will use harvest slash and mill residual for co-generation funded by this grant.

Many of the trees are unsuitable for sawmill use and milled trees have slash and fines not usable for lumber. They are being chipped for co-generation use. Annual community wide tree removal will provide continuous feed stock for power plant.

EDUCATION and OUTREACH: Current Public education and outreach has resulted in more than 1,000 hours of education and planning. Cambria High School studies alternative fuel generation and Cal Poly University conducts research in alternative fuels; both will use this project for studies.

6C. Project Objective - What are the objectives of the proposed project? Explain how they are in line with the requirements and desirable attributes for this grant type.

This project will reduce greenhouse gases, sequester and store carbon by creating bio-fuel to generate 150Kwh of clean electrical energy, generate bio-char, and ensure air quality by avoiding pile burning or decomposition of dead trees.

This project will result in a net GHG benefit by utilizing drought and bark beetle killed trees, forest slash, sawmill waste and fines for highest and best use. We will divert wood waste from pile burning, landfill or decomposition, by chipping for use in either a semi-portable 150 KwH electric gasification co-generation power plant or bio char generator. Education, outreach, and research in alternative utilization of forest biomass for energy utilization by Cal Poly and Cambria High School is included.

Trees will be replanted on residential/business parcels at ratio of 3 to 1 and natural regeneration or seedling planting on open forest stands will result in 15-20 stems per acre at 40 years.

Several community agencies and organizations are involved in this project including: Cambria CSD, CAL FIRE, Cal Poly, SLO County Air Pollution Control District, Friends of Fiscalini Ranch Preserve, Greenspace-Cambria Land Trust, The Nature Conservancy, San Luis Obispo County Fire Safe Council, Cambria Fire Safe Focus Group, Cambria Forest Committee, and private property owners.

6D. Project Description - How will the project achieve the objectives? Who will be involved? What is the nature of partner involvement and community participation?

The principal portion of this request is to acquire a 150KwH semi-portable gasification power plant designed specifically to utilize forest biomass as feedstock. The power plant will use 1,460 tons of wood chips per year; offsetting more than 1 megawatt of fossil fuel electric generation.

The semi-portable "150 KwH POWERTAINER" gasification generator, manufactured by California based All Power Labs, Inc., is enclosed within an 8 foot by 20 foot shipping container. The Powertainer utilizes wood chips through gasification technology to generate electricity and bio char. Biochar, a byproduct of gasification, is permanently sequestered carbon for use as soil amendment and other purposes. The process is carbon negative.

The Powertainer is designed to run 24/7 and will be connected to the waste water plant's internal electrical system on customer side of electric meter and the 150 Kwh of electricity will offset a portion of the electrical power used by the public waste water treatment plant, reducing demand for fossil fuel electrical generation. Cambria CSD waste water treatment plant staff will operate and perform routine simple maintenance on the "Powertainer".

County Planning Department, PG&E, and County Air Pollution Control District are supportive of the concept of the gasification co-generation installation.

Secondarily, residential trees that died and removed must be replaced with 3 Monterey Pine seedlings for every pine tree removed. There are 4500 residential parcels in Cambria; approximately 1500 have removed at least 1 dead tree, equating to 4,500 +/- replacement pine trees.

Annual community wide tree removal will provide ongoing feed stock for power plant.

6D. Project description continued.

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6E. Project Co-Benefits - What co-benefits will the project have? Check the boxes below for the applicable co-benefits, then describe and/or quantify them. Describe how the project will achieve the co-benefits.

- ☐ Stormwater reduction
- ☐ Improved water quality
- ☒ Improved air quality
- ☒ Energy savings
- ☒ Biomass diverted from landfill
- ☒ Improved public health
- ☐ Enhanced active transportation
- ☐ Reduced vehicle miles travelled
- ☐ Vacant lot(s) acquired
- ☒ Improved urban forest managment
- ☐ Jobs created
- ☒ Job training conducted
- ☒ Community outreach conducted
- ☒ Educational tools/media produced
- ☒ Other co-benefits.

1. Improved Public Health: Reducing smoke pollution from pile burning forest slash in urban settings

2. Improved Air Quality: Reduced dependence on fossil fuel electric generation and reduced smoke from not pile burning forest slash.

3. Job Training Conducted: Cambria CSD staff will be trained on gasification powerplant. Cambria High School and Cal Poly University students will learn about gasification and bio char production.

4. Community Outreach conducted: Community organizations are conducting workshops, classes, and public education outreach in forest health, mortality, preparedness, and fire prevention.

5. Energy Savings: Gasification powerplant reduces waste water treatment plant demand for electricity from the grid.

6. Educational tools/media produced: Biochar and gasification will be learning tools for high school and university students. Forest health learning opportunities are available for general public by using the living labs of public forests in Cambria.

7. Biomass diverted from landfill; Majority of biomass from tree mortality will be diverted from landfills and used for milled lumber, and/or electric or bio char generation.

8. Improved urban forest management: Overall forest health improvement for endangered Monterey Pine forest will be direct result of this project by reducing biomass accumulation on forest floor,

9. Other co-benefit: Project will reduce the hazardous fire condition caused by massive tree mortality in wildland urban interface area.

7. Budget and Funding Information

7A. Budget - Provide an estimate of costs and budget information for the project. A specific budget displaying detailed line items will be required if a final proposal is requested. Budget total may not be adjusted upward at a later time.

Line Item Description	Amount Requested	Matched Funds	Total Cost
Personnel		$67,500.00	$67,500.00
Contractual		$33,750.00	$33,750.00
Travel	$2,000.00		$2,000.00
Supplies		$94,000.00	$94,000.00
Equipment	$345,000.00		$345,000.00
Education/Outreach	$0.00	$0.00	$20,000.00
Other Direct Costs		$20,000.00	$20,000.00
Indirect	$34,700.00		$34,700.00
TOTALS	**$381,700.00**	$215,250.00	$596,950.00
Percentages	64%	36%	Total % 100

7B. Explanation of Budget and Costs - In the space provided, describe the basis for the budget amounts listed above. Successful applicants will be asked for a more detailed line item budget. The total amount requested in this application can not be exceeded during the final proposal process. Any decreased request amount for a final proposal must maintain the same matching percentage as the concept proposal submitted for review.

Salaries and wages: $ xx,xxx Waste Plant operators 500 hours per year @ $ x/hour - MATCH

Employee benefits: $ xx,xxx Waste Plant operators 500 hours per year @ $ y/hour - MATCH
Plant operator 1.25 hour per day daily operation/maintenance time ($xx,xxxx)

Contractual: none

Travel: $2,000 for Cambria CSD staff to travel to APL factory in Berkeley to train on Powertainer operation

Supplies: $ 5,000 for Powertainer maintenance supplies-MATCH
$ 1,000 for bio-char generation supplies-MATCH
$ 88,000 for 3 years of wood chips 1,460 tons per year (market price)-MATCH

Equipment: $330,000 to acquire APL 150KwH Powertainer co-generation power plant, installation, and setup
$ 15,000 to acquire bio char generator for Cambria High School and Cal Poly education and research

Other: $ 15,000 for 3 years of Cal Poly forest plot monitoring-MATCH
$ 5,000 tree planting in open space if needed-MATCH

Subtotal: $ 347,000

Indirect costs: $ 34,700 10% indirect

Total: $ 381,700 Direct $ 215, 200 Match

7C. Other Funding Sources - List other funding sources, grants or applications that are considered matching funds for this proposal. Include any active or planned California Climate Investments projects of any kind.

Project or Program Name	Source	Requested Amount	Is it Funded?
GHGF-Cambria Forest Health Grant 2014-15	CAL FIRE GHGR Fund	$498,000.00	YES
Cambria WUI Fire Hazard Reduction Grant	Western Forestry Leadership Coalition	$260,000.00	YES

7D. Describe the work being done by the other funding sources (if applicable).

Both of the grants below were awarded to the San Luis Obispo County Fire Safe Council for specific use in Cambria area:

GHG-Cambria Forest Health Grant is being used to fund salvage and sanitation timber harvest 950 acres of dead and dying Monterey Pines (across multiple ownerships) in order to reduce biomass accumulation, mitigate spread of Pitch Canker, release surviving trees for stronger growth, reduce fire hazard, remove invasives, and provide 5 years of monitoring of status by Cal Poly University.

Cambria WUI grant: Reduce hazardous fuel accumulation and remove hazard trees that threaten to fall across roadways, on infrastructure or present a public nuisance. Reestablish two critical fuel breaks at WUI interface, remove dead and dying trees from access/egress roadways, education/outreach for community preparedness, prepare WUI preplan and evacuation guides.

8. Past Project Work - List any similar activities conducted in the proposed project area over the past 5 years. Include any contributions of the applying organization to these projects. Include partners and sponsors of the projects, if known. Projects listed should include an explanation of how they relate to the proposed project.

1. Cambria CSD has removed 300 dead trees from CSD owned Fiscalini Ranch Forest Preserve and is conducting testing to determine most effective slash disposal method to stimulate regrowth.
2. Community wide hazardous tree reduction, removing hundreds of dead Monterey Pine trees from residential property; County ordinance requires replacement of 3 trees for each stem removed.
3. Neighborhood curbside chipping programs have improved defensible space and reduced fire hazard from dead and dying trees on residential properties.
4. PG&E powerline easement maintenance removed hundreds of dead Monterey Pine trees from powerline right of way
5. SLO County Public Works removed hundreds of dead trees from county roadway right of ways
6. Cal Poly has been studying Pitch Canker and other forest health issues.

Thank you for your application. Please save a copy and print a copy of the application for your records. Submit the application using the "Submit by Email" button below. You should receive a confirmation email shortly after submittal. To save a copy, please select the file menu and select "save as" or "save a copy as" from the list of options. You will be prompted about how to proceed saving the file.

Print Form

Submit by Email

California Environmental Protection Agency
Air Resources Board

California Air Resources Board and
California Department of Forestry & Fire Protection

Greenhouse Gas Calculator Tool
Urban and Community Forestry Program
Greenhouse Gas Reduction Fund
Fiscal Year 2016-2017

Project Name:	**Cambria Forest Biomass Co-generator Project**
Grant ID, if applicable:	

GHG Benefit of Tree Planting

Enter data below after using the CTCC to estimate tree carbon storage and, if applicable, GHG emission reductions from energy savings of individual trees.

Tree & Tree Planting Site Characteristics	Quantity of Trees to be Planted with Tree & Tree Planting Site Characteristics	Carbon Stored in Individual Tree 40 Years After Project Start (kg CO_2e)	Annual GHG Emission Reductions from Energy Savings From Individual Tree (kg CO_2e)
Monterey Pine 20/acre x 1250 acres	25000	3,600	167
lonterey pine avg. 1/2 per resid. parc	2250	3,600	167
SUBTOTAL FOR POPULATION	27250	90000000	4175000

Years of Establishment and Replacement Care Provided by Project (years)	9
GHG Benefit of Carbon Stored in Live Project Trees (MT CO_2e)	87300
GHG Benefit from Energy Savings (MT CO_2e)	80,995
GHG Emissions from Project Implementation (MT CO_2e)	8,415

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **9.B.**

FROM: Monique Madrid, District Clerk

Meeting Date: December 15, 2016 Subject: DISCUSSION AND CONSIDERATION TO ADOPT 2017 CCSD REGULAR BOARD MEETING SCHEDULE

RECOMMENDATIONS:
Staff recommends the Board adopt the attached 2017 CCSD Regular Board Meeting schedule.

FISCAL IMPACT:
None.

DISCUSSION:
It is proposed that the Board adopt the attached regular meeting schedule for 2017 in order to confirm the regular meeting dates. This schedule, when adopted, will be used by staff, the media, local community groups, and interested individuals to prepare for Board meetings. The Board has the authority to amend this schedule as the year progresses or the need arises. Last year in July there was no Board meeting scheduled. If the Board decides to consider a month without a meeting, it should be in a month other than July, due to the need to hold the Fire Hazard Fuel Reduction Contract Award public hearing in the month of July.

In conformance with current policy, all proposed 2017 meeting dates are on the fourth Thursday of each month, except as follows:

- January 19th (3rd Thursday): Avoids conflict with the Art and Wine Festival.
- November 16th (3rd Thursday): Avoids conflict with Thanksgiving holiday. (The standard CCSD holidays have been established for 2017 with Thanksgiving on Thursday, November 23rd.)
- December 14th (2nd Thursday): Avoids conflict with Christmas holiday

Attachment: Resolution 47-2016
2017 Regular Meeting Schedule

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ___ BAHRINGER ___ RICE ___ SANDERS ___FARMER___

RESOLUTION NO. 47-2016
DECEMBER 15, 2016

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE CAMBRIA COMMUNITY SERVICES DISTRICT
ADOPTING THE 2017 CCSD REGULAR BOARD MEETING SCHEDULE

BE IT RESOLVED that the Board of Directors of the Cambria Community Services District does hereby adopt the 2017 Regular Board Meeting Schedule, attached hereto as Exhibit A. In conformance with current policy, all proposed 2017 meeting dates are on the fourth Thursday of each month, except as follows:

- January 19th (3rd Thursday): Avoids conflict with the Art and Wine Festival.
- November 16th (3rd Thursday): Avoids conflict with Thanksgiving holiday. (The standard CCSD holidays have been established for 2017 with Thanksgiving on Thursday, November 23rd.)
- December 14th (2nd Thursday): Avoids conflict with Christmas holiday

PASSED AND ADOPTED THIS 15th day of December, 2016.

_____
President,
Board of Directors

ATTEST:

_____
Monique Madrid, District Clerk

APROVED AS TO FORM:

_____
Timothy J. Carmel, District Counsel

Exhibit A to Resolution 47-2016

Great People, Doing Great Things, for a Great Community

CAMBRIA COMMUNITY SERVICES DISTRICT
BOARD OF DIRECTORS
2017 REGULAR MEETING SCHEDULE

January 19th -3rd Thursday **12:30 p.m.**

February 23rd **12:30 p.m.**

March 23rd **4:00 p.m.**

April 27th **12:30 p.m.**

May 25th **12:30 p.m.**

June 22nd **6:00 p.m.**

July 27th **12:30 p.m.**

August 24th **12:30 p.m.**

September 28th **4:00 p.m.**

October 26th **12:30 p.m.**

November 16th – 3rd Thursday **12:30 p.m.**

December 14th- 4thThursday **6:00 p.m.**

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **9.C.**

FROM: Jerry Gruber, General Manager
Patrick O'Reilly, Finance Manager

Meeting Date: December 15, 2016 Subject: DISCUSSION AND CONSIDERATION OF FISCAL YEAR 2016/2017 QUARTERLY BUDGET REVIEW

RECOMMENDATIONS:
This report is provided for information only.

FISCAL IMPACT:
None.

DISCUSSION:
The CCSD has three funds: the General Fund, the Water Fund and the Wastewater Fund. Separate budgets are approved for each fund for each fiscal year (July 1st through June 30th). This analysis covers the revenues received and expenditures incurred during Fiscal Year 2016-2017 from July 1, 2016 through September 30, 2016.

Budget spreadsheets are attached which have four columns:

1st Column: Account Description
2nd Column: Approved Budget for Fiscal Year 2016-2017
3rd Column: Actual Revenues & Expenditures through 9/30/16
4th Column: Projected Revenues & Expenditures through the end of the fiscal year (June 30, 2016)

GENERAL FUND

There are four departmental budgets within the General Fund: the Fire Department budget, the Facilities and Resources Department budget, the Parks and Recreation Department budget and the Administration Department budget. Attachment 1 shows a total for the General Fund and a summary for each department. The General Fund has a budgeted deficit of $14,500. Through September 30, 2016, the fund has a deficit of $466,930 and staff projects there will be a deficit of $62,465 at the end of the fiscal year. A more detailed analysis of the General Fund is included in the discussions below concerning each department.

Fire Department Budget (Attachment 2). This department has a budgeted deficit of $14,500. Through September 30, 2016, the department has a $348,291 deficit which is due to the fact that no property or fire benefit assessment taxes have yet been received. This shortage is anticipated because a substantial amount of taxes will not be received each year until after October. Staff projects there will be a deficit of $55,900 at the end of the fiscal year mostly because salaries and benefits are expected to exceed budget.

Facilities & Resources Department Budget (Attachment 3). This department has a balanced budget. Through September 30, 2016, the department has a $109,281 deficit which is due to the fact that no property taxes have yet been received. This shortage is anticipated because a substantial amount of taxes will not be received each year until after October. Staff projects there will be a surplus of $618 at the end of the fiscal year.

Parks & Recreation Department Budget (Attachment 4). This department has a balanced budget. Through September 30, 2016, the department has a $4,267 deficit which is due to the fact that no property taxes have yet been received. This shortage is anticipated because a substantial amount of taxes will not be received each year until after October. Staff projects revenues will equal expenditures at the end of the fiscal year.

Administration Department Budget (Attachment 5). This department has a balanced budget. Through September 30, 2016, the department has a $14,908 surplus which is due to the fact most utility and professional services expenses have not yet been incurred and no capital project expenses have yet been incurred. Staff projects there will be a $7,000 deficit at the end of the fiscal year.

WATER FUND

There are three operating budgets within the Water Fund: the Water Department Operations Budget, the Sustainable Water Facility (SWF) Capital Cost Recovery Budget, and the SWF Operations Budget. There are also two capital projects within the Water Fund: the Lower Santa Rosa Aquafer Optimization Project and the Sustainable Water Facility Project.

Water Department Operations Budget (Attachment 6). This department has a budgeted surplus of $34,247. Through September 30, 2016, expenditures have exceeded revenues by $302,003 principally due to the fact that much of the work to construct the Fiscalini water tank has been completed but the loan to fund that project has not been received. Staff projects that there will be a surplus of $64,861 in this budget at the end of the fiscal year.

SWF Capital Cost Recovery Budget (Attachment 7). This department has a budgeted surplus of $16,664. Through September 30, 2016, expenditures have exceeded revenues by $26,356 principally due to a debt service payment in September of $174,379. Staff projects there will be a surplus of $22,382 in this budget at the end of the fiscal year.

SWF Operations Budget (Attachment 8). This department has a budgeted deficit of $116,400. Through September 30, 2016, expenditures have exceeded revenues by $30,921 principally due to the fact that start-up costs have been incurred but no revenues have been received because the plant is not yet producing water. Staff projects there will be a deficit of $114,808 in this budget at the end of the fiscal year.

Lower Santa Rosa Aquafer Optimization Project (Attachment 9). This project is completed. The actual costs for the project was $354,917 which is $45,915 less than budgeted. This will result in a decrease in Water Fund reserves of $47,041. Once the expenditures have been audited, the project will be added to District capital assets and removed from further financial reporting.

Sustainable Water Facility Project. (Attachment 10). This project anticipates $13,321,256 in revenues from loans and grants. $13,102,142 has already been received and another $219,113 in retention from the Proposition 84 Grant is expected to be received in early 2017. $12,910,109 in expenditures have been authorized leaving $411,147 in anticipated revenues which have not been committed. Through September 30, 2016, the District has actually spent $11,288,103 on this project.

WASTEWATER FUND

There is only one budget in the Wastewater Fund (attachment 11). The Wastewater Fund has a balanced budget with expenditures equaling revenues. Through September 30, 2016 expenditures have exceeded budget by $87,479. This is primarily because revenues have only been collected for two months (July & August) while expenditures have been incurred for three months (July through September). Wastewater invoices are generated every other month and generate about $330,000 every billing period or about $165,000 every month. Staff projects there will be a deficit of $23,932 at the end of the fiscal year due to higher than budgeted maintenance and repair costs for the plant.

Attachment:
1. General Fund Summary
2. General Fund: Fire
3. General Fund: Facilities and Resources
4. General Fund: Parks and Recreation
5. General Fund Administration
6. Water Department Operations
7. Water SWF Capital Recovery
8. Water SWF Operations
9. Water Santa Rosa Project
10. Water SWF Project
11. Wastewater

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ___ BAHRINGER ___ RICE____SANDERS _____ FARMER

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
GENERAL FUND **ATTACHMENT 1**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
Fire Department Revenues	2,012,558	102,551	2,026,058
Fire Department Expenditures	2,027,059	450,842	2,081,958
Net	(14,500)	(348,291)	(55,900)
Facilities & Resources Revenues	619,948	29,488	619,948
Facilities & Resources Expenditur	619,948	138,770	619,330
Net	-	(109,281)	618
Parks & Recreation Revenues	161,602	981	161,602
Parks & Recreation Expenditures	161,602	5,248	161,602
Net	-	(4,267)	-
Administration Revenues	1,786,690	383,108	1,794,636
Administration Expenditures	1,786,690	368,200	1,801,819
Net	-	14,908	(7,183)
TOTAL GENERAL FUND			
Revenues	4,580,798	516,128	4,602,244
Expenditures	4,595,298	963,059	4,664,709
Net	(14,500)	(446,930)	(62,465)

ATTACHMENT 1

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
FIRE DEPARTMENT **ATTACHMENT 2**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
PROPERTY TAXES	1,389,650	57,877	1,389,650
FIRE BENEFIT ASSESSMENT	442,680	1,829	442,680
WEED ABATE/FUEL REDUCTION	11,500	416	11,500
Inspection Fees	14,500	-	14,500
Grant Revenue: SAFER	167,628	42,429	167,628
OTHER	1,100	-	100
TOTAL REVENUE	2,012,558	102,551	2,026,058
EXPENDITURES			
TOTAL PERSONNEL COSTS	1,387,070	320,737	1,429,655
INSURANCE & OTHER SERVICES	600	-	600
EQUIP & BLDG MAINTENANCE	66,500	8,882	67,500
OFFICE SUPPLIES & EQUIPMENT	8,500	1,602	6,292
DUES AND FEES	43,500	42,659	43,926
UTILITIES	13,200	4,236	11,649
PROFESSIONAL SERVICES	36,200	1,783	33,130
OPERATING SUPP/EQUIP	65,300	13,326	82,019
SURF RESCUE/NCOR	5,000	533	5,000
TRAINING & TRAVEL	24,300	3,731	25,299
OUTREACH/EDUCATION	1,500	-	1,500
DEBT SERVICE	9,592	-	9,592
CAPITAL PROJECTS:			
Mobile Data Computer	7,000	-	7,000
Fire Truck (5 Year Lease)	134,340	-	134,340
Chief/Command Pickup Truck (5 '	11,050	-	11,050
TOTAL CAPITAL PROJECTS	152,390	-	152,390
TOTAL EXPENDITURES	**2,027,059**	**450,842**	**2,081,958**
TOTAL REVENUE LESS EXPENDITU	**(14,500)**	**(348,291)**	**(55,900)**

ATTACHMENT 2

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
FACILITIES & RESOURCES DEPARTMENT **ATTACHMENT 3**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
Property Tax	581,748	24,524	581,748
Total Vet's Hall	36,200	4,964	36,200
Total Other	2,000	-	2,000
TOTAL REVENUES	**619,948**	**29,488**	**619,948**
EXPENDITURES			
TOTAL PERSONNEL COSTS	352,523	78,576	356,153
Total Maintenance & Repair	98,340	14,376	96,145
Total Utilities	30,050	9,227	26,298
Total Professional Services	3,120	205	820
Total Other	25,000	13,564	29,000
Total Training	600	45	600
Total Debt Service	19,209	-	19,209
ALLOCATED OVERHEAD	91,106	22,777	91,106
TOTAL EXPENDITURES	**619,948**	**138,770**	**619,330**
TOTAL REVENUE LESS EXPENDITU	-	(109,281)	618

ATTACHMENT 3

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
PARK & RECREATION DEPARTMENT **AATTACHMENT 4**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
PROPERTY TAX	25,611	981	25,611
PROPOSITION 1A RESERVE	135,486	-	135,486
OTHER	505	-	505
TOTAL REVENUES	**161,602**	**981**	**161,602**
EXPENDITURES			
PROFESSIONAL SERVICES	500	-	500
M&R Ranch	10,000	1,915	10,000
CAPITAL OUTLAY	135,486	3,333	135,486
ALLOCATED OVERHEAD	15,616	-	15,616
TOTAL OPERATING EXPENDITUR	**161,602**	**5,248**	**161,602**
TOTAL OPERATING REVENUE LES	**-**	**(4,267)**	**-**

AATTACHMENT 4

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
ADMIN DEPARTMENT **ATTACHMENT 5**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
PROPERTY TAXES	374,624	14,714	374,624
FRANCHISE FEES	72,400	26,461	72,400
ALLOCATED OVERHEAD	1,332,316	333,079	1,332,316
OTHER	7,350	8,854	15,296
TOTAL REVENUES	**1,786,690**	**383,108**	**1,794,636**
EXPENDITURES			
PERSONNEL COSTS	1,192,708	230,408	1,224,200
OUTREACH EDUCATION	3,600	509	2,743
INSURANCE	69,000	50	69,000
MAINTENANCE	85,900	25,081	87,173
OFFICE SUPPLIES & EQUIP	28,800	8,519	32,380
DUES & FEES	47,000	36,959	47,000
UTILITIES	46,804	5,143	20,574
OFFICE RENT	38,186	9,546	40,893
PROFESSIONAL SERVICES	192,720	44,567	193,650
TRAINING & TRAVEL	32,400	7,416	34,634
DEBT SERVICE	9,572	-	9,572
CAPITAL OUTLAY	40,000	-	40,000
TOTAL EXPENDITURES	**1,786,690**	**368,200**	**1,801,819**
TOTAL REVENUE LESS EXPENDITU	**-**	**14,908**	**(7,183)**

ATTACHMENT 5

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
WATER DEPARTMENT OPERATIONS BUDGET **ATTACHMENT 6**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
SALES	1,937,000	410,882	2,100,000
ACCOUNT SERVICE FEES	31,600	4,597	18,386
ADMINISTRATIVE FEES	3,290	-	3,290
LATE FEES	40,154	9,908	39,630
STANDBY AVAILABILITY	178,000	799	178,000
Connect Rev - SFR	20,000	(1,800)	20,000
Other	-	919	919
PROCEEDS FROM DEBT	660,000	-	660,000
RESOURCE CONSERVATION FEES	98,500	79,515	107,154
TOTAL REVENUES	**2,968,544**	**504,819**	**3,127,379**
EXPENDITURES			
TOTAL PERSONNEL COSTS	719,914	199,406	848,280
OUTREACH / EDUCATION	1,250	-	1,250
DELIVERY SYSTEM REPAIRS	195,300	83,642	190,718
PLANT REPAIRS	40,000	7,500	40,000
MAJOR MAINTENANCE	3,360	-	3,360
VEHICLE & EQUIPMENT REPAIRS	25,000	1,187	25,000
OFFICE SUPPLIES & EQUIP	23,300	4,011	23,300
GOVERNMENT FEES & DUES	50,000	10,348	50,000
BAD DEBT & CLAIMS	2,800	7,917	7,917
UTILITIES	136,100	41,278	166,411
LEASE-WELL SITE	36,200	-	36,200
PROFESSIONAL SERVICES	160,000	16,701	108,336
OP SUPPLIES/EQUIPMENT	54,550	23,620	72,224
TRAINING & TRAVEL	4,900	754	7,900
Fiscalini Tank Project	660,000	235,739	660,000
Stuart Street Tank Repair	20,000	-	20,000
SCADA for San Simeon Well Field	81,901	28,665	81,901
Radio Grounds Pump Stn: Eng On	25,000	-	25,000
GIS	7,500	450	7,500
DEBT SERVICE	54,804	-	54,804
VOL. LOT MERGER PROGRAM	50,000	-	50,000
ALLOCATED OVERHEAD	582,418	145,605	582,418
TOTAL EXPENDITURES	**2,934,297**	**806,822**	**3,062,518**
NET OPERATING INCOME/(LOSS)	**34,247**	**(302,003)**	**64,861**

ATTACHMENT 6

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
WATER FUND: SWF COST RECOVERY **ATTACHMENT 7**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
TOTAL BASE CHARGE	364,000	61,650	369,900
TOTAL EWS USAGE CHARGE	483,000	97,583	500,000
UES	847,000	159,233	869,900
RES			
LAR WAGES	24,231	4,039	24,231
Govt Fees & Licenses	17,000	50	17,000
PROF SVCS: COUNSEL	15,000	5,223	20,892
PROF SVCS: LEGAL	15,000	318	1,270
PROF SVCS: OTHER	-		25,000
UTILITIES	27,000	1,582	27,000
Operating Supplies	1,000		1,000
AWTP SYSTEM OPERATIONS	75,000	7,172	92,162
Interest-Bank Loan	345,564	174,379	345,564
Principal-Bank Loan	313,861		313,861
Performance Bond	71,700		71,700
DEBT SERVICE	731,125	174,379	731,125
DITURES	830,356	185,589	847,518
NG INCOME/(LOSS)	16,644	(26,356)	22,382

ATTACHMENT 7

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
WATER FUND: SWF OPERATIONS **ATTACHMENT 8**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
TOTAL EWS USAGE CHARGE	105,000	-	105,000
EXPENDITURES			
TOTAL OPERATING COSTS	191,400	2,513	191,400
START UP/SHUT DOWN COSTS	30,000	28,408	28,408
TOTAL EXPENDITURES	221,400	30,921	219,808
NET REVENUE LESS EXPENDITURES	**(116,400)**	**(30,921)**	**(114,808)**

ATTACHMENT 8

CAMBRIA COMMUNITY SERVICES DISTRICT
FISCAL YEAR 2016 - 2017 WATER FUND CAPITAL PROJECTS BUDGET
SANTA ROSA CREEK PROJECT ATTACHMENT 9

Revenues	Approved Budget FY 16-17	Already Received 9/30/2016	Projected Receipts	Grand Total
Drinking Water Drought Grant	$307,876	$248,246	$59,630	$307,876
Subtotal of One-Time Revenues	$307,876	$248,246	$59,630	$307,876

Expenditures	Approved Budget FY 16-17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
General Costs	$35,411	$19,866	$0	$19,866
Environmental Clearances; Biological Moni	$666	$666	$0	$666
Permitting	$5,483	$5,483	$0	$5,483
Construction (SR1; SR3; Filtronics; etc.)	$315,707	$295,346	$0	$295,346
Design & Construct Contracts	$13,012	$13,012	$0	$13,012
Post Construction	$172	$172	$0	$172
Replace Filtronics Filter Media	$30,371	$20,371	$0	$20,371
Subtotal of One-Time Expenditures	$400,822	$354,917	$0	$354,917

TRANSFER FROM WATER FUND RESERVES	$92,946	$47,041

ATTACHMENT 9

CAMBRIA COMMUNITY SERVICES DISTRICT
FISCAL YEAR 2016 - 2017 CAPITAL PROJECTS BUDGET
WATER FUND SUSTAINABLE WATER FACILITY (SWF)

SWF ONE-TIME REVENUES	Approved Budget FY 2016/17	Already Received 5/31/2016	Projected Receipts	Grand Total
Loan (Installment Sale)	$8,939,000	$8,939,000		$8,939,000
Proposition 84 IRWM Project	4,382,256	4,163,142	219,113	4,382,256
TOTALS	$13,321,256	$13,102,142	$219,113	$13,321,256

COSTS INCLUDED IN CDM SMITH TASK ORD	Approved Budget FY 2016/17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
Task Order #1: Hydrological Modeling	$174,495	$174,495	-	$174,495
Task Order #2: Preconstruction Engineering	$299,601	$299,601	-	$299,601
Task Order #3: Preconstruction Services	920,084	$920,084	-	920,084
Task Order #4: Permitting: Prepurchase Assistance	499,941	$499,941	-	499,941
Task Order #5: Permitting & Environmental	584,607	$584,607	-	584,607
Task Order #6: Permitting & Environmental	308,090	$211,270	96,820	308,090
TOTALS	$2,786,818	$2,689,998	$96,820	$2,786,818

DESIGN BUILD CONTRACT WITH CDM CONSTRUCTORS	Approved Budget FY 2016/17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
Design Build Contract	$6,647,919	$6,647,919	$0	$6,647,919
Change Order #1	511,602	$511,602	-	511,602
Change Order #2	123,953	$123,953	-	123,953
Change Order #3	83,268	$83,268	-	83,268
TOTALS	$7,366,742	$7,366,742	$0	$7,366,742

CAMBRIA COMMUNITY SERVICES DISTRICT
FISCAL YEAR 2016 - 2017 CAPITAL PROJECTS BUDGET
WATER FUND SUSTAINABLE WATER FACILITY (SWF)

SWF EXPENDITURES: OTHER	Approved Budget FY 2016/17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
General Costs				
Primarily FGL	$58,117	$58,117	-	$58,117
Flag Lot Investigation	1,315	$1,315	-	1,315
Performance Bond	54,000	$54,000	-	54,000
RWQCB Permitting Fees	55,315	$55,315	-	55,315
RWQCB-Environ Surety Bond (annUAL cost)	72,000	$72,000	-	72,000
Telemetry Upgrade	83,000	$0	83,000	83,000
Tracer Testing 2016	100,000	$0	100,000	100,000
Remote Sensing Installation at SS Creek Bridge	10,000	$0	10,000	10,000
TOTALS	$433,747	$240,747	$193,000	$433,747

Regular Coastal Development Permit	Approved Budget FY 2016/17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
Environmental Impact Report to support Reg CDP (MBI)	$168,450	$533	167,917	$168,450
CDM EIR Support	$100,000	$0	100,000	$100,000
Amend 1 to EIR (MBI)	$81,630	$0	81,630	$81,630
Lagoon Water Supply: De-chlorination/Aeration	$0	$0	-	$0
Future Mitigation Measures	$1,000,000	$0	1,000,000	$1,000,000
TOTALS	$1,350,080	$533	$1,349,547	$1,350,080

Professional Services Costs:	Approved Budget FY 2016/17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
Public Outreach	$39,825	$39,825	$0	$39,825
Rate Study, Legal Services	$66,042	$66,042	($0)	$66,042
Debt Costs of Issuance	$143,001	$143,001	$0	$143,001
Legal Services (RE Landwatch Lawsuit)	$200,115	$314,604	$0	$200,115
Computer Programming	$7,600	$7,600	$0	$7,600
CCSD Labor Expensed to CIP Project	$97,033	$10,373	$86,661	$97,033
Strategic Advisor	$7,083	$35,686	$20,997	$56,683
TOTALS	$560,699	$617,131	$107,657	$610,299

CAMBRIA COMMUNITY SERVICES DISTRICT
FISCAL YEAR 2016 - 2017 CAPITAL PROJECTS BUDGET
WATER FUND SUSTAINABLE WATER FACILITY (SWF)

SWF START-UP EXPENDITURES	Approved Budget FY 2016/17	Already Spent 9/30/2016	Projected Expenditures	Grand Total
Start-Up Expenditures				
Power	$20,320	$20,320	$0	$20,320
Chemicals	$28,275	$28,275	$0	$28,275
Consumables (membranes, filters, UV lamps, etc.)	$0	$0	$0	$0
Maintenance	$4,356	$4,356	$0	$4,356
Impound Basin Monitoring	$0	$0	$0	$0
Advanced Water Treatment Plant Sampling	$156,384	$156,385	$0	$156,384
Baseline Monitoring (support Adap MgT Plan (3 m	$70,688	$31,618	$39,070	$70,688
Start-Up Plant Operators (Three Month Cor	$132,000	$132,000	$0	$132,000
TOTALS	$412,023	$372,954	$39,070	$412,023

SUMMARY

SUSTAINABLE WATER FACILITY PROJECT	APPROVED BUDGET FY 2016/17	ACTUAL THROUGH 9/30/2016	ADDITIONAL ANTICIPATED	GRAND TOTAL ANTICIPATED
SOURCES OF FUNDS				
Loan (Installment Sale)	8,939,000	8,939,000	-	8,939,000
Proposition 84 Expedited Draught Grant	4,382,256	4,163,142	219,113	4,382,256
TOTAL FUNDS AVAILABLE	13,321,256	13,102,142	219,113	13,321,256
EXPENDITURES	$12,910,109	$11,288,103	$1,786,095	$12,959,709
FUNDS AVAILABLE LESS EXPENDITURES	411,147	1,814,039	(1,566,982)	361,547

CAMBRIA COMMUNITY SERVICE DISTRICT
FISCAL YEAR 2016 - 2017 BUDGET
WASTEWATER **ATTACHMENT 11**

ACCT DESCRIPTION	FY 16/17 APPROVED BUDGET	ACTUAL THROUGH 9/30/2016	PROJECTED THROUGH 6/30/2017
REVENUES			
SERVICE FEES	1,860,000	329,381	1,976,288
INTEREST INCOME	2,000	-	-
STANDBY AVAILABILITY	119,000	544	119,000
LOAN PROCEEDS	551,000	150,000	551,000
TOTAL REVENUES	**2,532,000**	**479,980**	**2,646,288**
EXPENDITURES			
TOTAL PERSONNEL COSTS	682,445	137,323	611,845
OUTREACH/EDUCATION	100	0	100
COLLECTION SYSTEM REPAIRS	76,500	7,392	85,000
SLUDGE DISPOSAL	79,000	18,284	79,000
TREATMENT PLANT REPAIRS	40,000	71,749	100,000
M&R GROUNDS	9,000	16,070	18,061
MAJOR MAINTENANCE	2,784	0	2,784
VEHICLE & EQUIPMENT REPAIRS	19,000	2,955	20,818
OFFICE SUPPLIES/EQUIPMENT	20,400	4,119	26,475
DUES & FEES	92,500	4,323	92,372
UTILITIES	163,700	65,514	261,066
PROFESSIONAL SERVICES	68,700	13,504	79,113
OPERATING SUPPLIES/EQUIP.	47,900	5,635	52,336
TRAINING & TRAVEL	4,800	3,085	6,958
DEBT SERVICE	244,403	24,684	244,403
CAPITAL OUTLAY:			
Influent Screen:			
Purchase	69,000	-	69,000
Soils, Boring, Design	57,000	-	57,000
Construction/Installation	85,000	-	85,000
Clarifier Repairs	65,000	-	65,000
Effluent Pumps	50,000	59,123	59,123
Hand Rails	25,000	-	25,000
Lift Station Repairs	190,000	26,259	190,000
Grit Pumps Replacement	10,000	-	10,000
TOTAL CAPITAL OUTLAY	551,000	85,382	560,123
ALLOCATED OVERHEAD	429,768	107,442	429,768
TOTAL EXPENDITURES	**2,532,000**	**567,460**	**2,670,221**
NET OPERATING INCOME/(LOSS	**(0)**	**(87,479)**	**(23,932)**

ATTACHMENT 11

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **9.D.**

FROM: Jerry Gruber, General Manager

Meeting Date: December 15, 2016 Subject: DISCUSSION AND CONSIDERATION OF BIDS RECEIVED, REJECTION OF ALL BIDS, AND OPTIONS RELATING TO DEVELOPMENT OF THE FISCALINI RANCH PRESERVE COMMUNITY PARK PROJECT, PHASE 1

RECOMMENDATIONS:
Staff recommends that the Board of Directors reject all bids and provide direction regarding whether to proceed with rebidding Phase 1 of the Fiscalini Ranch Preserve Community Park (the "Project"). If the Board directs that the Project be rebid, it is further recommended that the Board designate the General Manager to adopt plans, specifications and working details for the Project.

FISCAL IMPACT:
The low bid for the Fiscalini Ranch Park Project, Phase 1 came in significantly higher than anticipated and in excess of the $132,153 remaining in the budget for the Project. If the Board decides to proceed with rebidding the Project, it can be expected that the bids will again come in higher than the budgeted amount, necessitating funding the additional amount from reserves.

DISCUSSION:
Introduction
Phase 1 of the Fiscalini Ranch Preserve Community Park was recently put out to bid. Unfortunately, the bids came in much higher than anticipated. Under the alternative bidding statute utilized, the CCSD is required to reject all of the bids. The following discussion provides the Board of Directors with background information, as well as a framework for discussing options regarding how to proceed.

Discussion
The Community Park Master Plan for the Fiscalini Ranch Preserve provides for the construction of a community park on the East Fiscalini Ranch Preserve. Accordingly, contract documents, including drawings and specifications, were developed for Phase 1 of the Community Park Project, which consists of grading and drainage improvements and includes the following:

- Demolition of single family residence at 1777 Rodeo Grounds Road, in accordance with San Luis Obispo County Minor Use Permit/Coastal Development Permit DRC 2015-00146.
- Site finish grading (Dog Park, parking lot, emergency access road).
- Red Rock parking lot (95 spaces) with ADA parking stalls, signage and accessible pervious paver walkway.
- Contour smoothing and reseeding of all disturbed areas (no landscaping).
- Drainage infrastructure (vegetated swales, drainage ditches, storm drain pipes).

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- Emergency access road.
- No utilities (other than storm drain) are proposed with Phase 1 (no electric, gas lighting, water, sewer, telecom, etc.)

In addition, a bid alternate for the Dog Park fencing was included for the Project. Bidders were required to include a price for the Dog Park work as part of their bid. Pursuant to the requirements of Public Contract Code Section 20103.8(b), the District specified in the Notice Inviting Bids that the following method would be used to determine the lowest bidder:

> The lowest bid shall be the lowest total of the bid prices on the base contract and the additive or deductive items that were specifically identified in the bid solicitation as being used for the purpose of determining the lowest bid price.

In accordance with the Public Contract Code, the District can include or delete the Dog Park bid alternate from the contract after the lowest responsible bidder has been determined.

Bids, Statutory Requirements and Options

The CCSD has adopted informal bidding procedures under the Uniform Public Construction Cost Accounting Act (reference Public Contract Code Section 22030 et seq. and CCSD Municipal Code Chapter 1.06). This permits use of informal bidding for projects costing $175,000 or less. It was anticipated that the cost for Phase 1 of the Fiscalini Ranch Preserve Community Park would be in the $100,000 range, without the dog park fencing. Accordingly, the project was put out to bid under the informal bidding process.

Bids were opened on December 8, 2016 and six bids were received (see attached copy of bid results). Bids were required to be presented with three components: a price for the parking lot, walkway, grading work and erosion control and demolition of two wells; a separate price for the demolition of an abandoned house on the property; and as a bid alternate, a price for the dog park fence. Total bids for the three components ranged from $297,340 up to $648,000. The low bid was from R. Burke Corporation in the amount of $248,000 for the first component, $17,450 for the demolition of the abandoned house, and $31,890 for the dog park fence, totaling $297,340.

The CCSD Board of Directors had designated funds from Proposition 1A to pay for the improvements in the approximate amount of $159,000, some of which were used for design costs with the firms Civil Design Studio and Firma. Approximately $132,153 of Proposition 1A funds are still available for the Project. Staff was hopeful that the remaining funds were sufficient to complete the Project.

Public Contract Code Section 22034(d) provides that if bids are received in excess of $175,000, a contract can still be awarded if the amount is less than $187,500, upon adoption of a resolution by a 4/5th vote making certain required findings. Unfortunately, as noted, the low bid is well in excess of this amount, and therefore the only option is for the Board to reject all bids.

As the Board of Directors is aware, the Community Park on the East Fiscalini Ranch Preserve is a project that has been greatly anticipated by Cambrians. Therefore, while disappointed that the bids came in so much higher than anticipated, staff believes the Board should still consider rebidding the Project. In order to proceed, additional funding will need to be identified. In anticipation of bids coming in at the same range as those received the first time out, funds for

the remaining amounts could come from District reserves. Staff will provide additional information at the meeting to facilitate the Board's consideration of funding options.

In addition, given the number of the bids received, the informal bidding procedures under the Uniform Public Construction Cost Accounting Act cannot be used. Therefore, pursuant to Public Contract Code Section 22039, if the Board desires to rebid the Project, it is requested that the Board authorize the General Manager, as its designated representative, to formally adopt the plans, specifications, and working details of the Project.

Attachments: Bid Results

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ___ BAHRINGER ___ RICE___SANDERS____FARMER____

CAMBRIA COMMUNITY SERVICES DISTRICT

GREAT PEOPLE, DOING GREAT THINGS FOR A GREAT COMMUNITY

1316 Tamsen Street, Suite 201 • P.O. Box 65 • Cambria CA 93428
Telephone (805) 927-6223 • Facsimile (805) 927-5584

Fiscalini Ranch Community Park Bids
12/8/2016

COMPANY	BID
John Madonna Construction	First $309,000 Second $18,980 Third $30,440 = $358,420.00
Papich Construction Company	$604,000 $16,000 $28,000 = $648,000.0
Raminha Construction	$366,685 $25,000 $35,000 = 426,685.0
Whitaker Construction Group, Inc.	$385,000 $38,900 $30,000 = 453,900.0
Souza Construction	$429,490 $18,800 $28,710 = 477,000.0
David Crye, Inc.	$297,800 $11,500 $29,000 = 338,300.0
R Burke Corporation	$248,000 $17,450 $31,890 = 297,340.0
S. Chaves Construction	$347,800 $15,900 $30,250 = 393,950.00

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **9.E.**

FROM: Jerry Gruber, General Manager

Meeting Date: December 15, 2016 Subject: DISCUSSION AND CONSIDERATION OF ADOPTION OF RESOLUTION 48-2016 TO FINANCE CONSTRUCTION OF THE FISCALINI WATER STORAGE TANK

RECOMMENDATIONS:
Staff recommends that the Board of Directors adopt Resolution 48-2016, attached, authorizing the execution and delivery of an installment sale agreement with Municipal Finance Corporation to finance the construction of the Fiscalini water storage tank (the "Tank") over 20 years at an annual interest rate of 3.61%.

FISCAL IMPACT:
The installment sale agreement with Municipal Finance Corporation is for twenty years with an annual interest rate of 3.61%. The annual payments will be $42,638.

The Water Department budget for the current fiscal year (FY 16-17) includes $45,707 for the annual payment on the Tank loan. No further budget action is required. $42,638 will have to be included in the Water Department budget for the next nineteen years to finance the purchase of the Tank.

DISCUSSION:
The Tank being replaced was badly deteriorated and posed an imminent risk of failure, which would have caused serious damage to the surrounding properties. In early 2016, staff determined that immediate replacement of the Tank was necessary to prevent catastrophic failure and a contract was awarded to Crosno Construction on April 28, 2016 to remove the old Tank and construct a new one on the same site.

CCSD staff was originally advised by staff at the State Water Resources Control Board that a low interest loan could be obtained from the State of California from the Clean Water Loan Program to provide funding to replace the Tank. However, in November, CCSD staff was informed that the loan from the State could not be obtained since construction on the Tank had already begun. At that time, staff began looking for commercial sources for a loan to finance the removal and replacement of the Tank, which resulted in the proposal from Municipal Finance Corporation that is being presented to the Board.

Attachments: Resolution 48-2016 Approval of Loan for Fiscalini Tank Project

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BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS:___ THOMPSON ___ BAHRINGER ____ RICE ___ SANDERS ___FARMER

RESOLUTION NO. 48-2016
DECEMBER 15, 2016

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE CAMBRIA COMMUNITY SERVICES DISTRICT
AUTHORIZING THE EXECUTION AND DELIVERY OF AN INSTALLMENT SALE AGREEMENT, AND AUTHORIZING AND DIRECTING CERTAIN ACTIONS IN CONNECTION WITH THE ACQUISITION AND CONSTRUCTION OF A WATER STORAGE TANK PROJECT

WHEREAS, the Cambria Community Services District (the "District") is a public agency duly organized and existing under and pursuant to the laws of the State of California; and

WHEREAS, the District desires to provide for financing in the approximate amount of $600,000.00 for the acquisition and construction of a water storage tank project (the "Project"); and

WHEREAS, Municipal Finance Corporation (the "Corporation") has proposed a cost-effective twenty year installment sale financing arrangement at a 3.61% interest rate;

NOW, THEREFORE, it is resolved by the Board of Directors of the Cambria Community Services District as follows:

SECTION 1. Installment Sale Agreement. The President of the Board of Directors, the General Manager or a designee in writing is hereby authorized to enter into an Installment Sale Agreement (the "Installment Sale") with the Corporation to finance the Project, subject to approval as to form by the District's legal counsel.

SECTION 2. Attestations. The Secretary of the Board or other appropriate District officer is hereby authorized and directed to attest the signature of the President of the Board of Directors, the General Manager or of such other person or persons as may have been designated by the President of the Board of Directors or the General Manager, and to affix and attest the seal of the District, as may be required or appropriate in connection with the execution and delivery of the Installment Sale.

SECTION 3. Authorization to Establish Project Fund. The Board of Directors hereby authorizes and directs the President of the Board, the General Manager or a designee in writing to make appropriate arrangements to establish a special fund into which the proceeds of the financing are deposited for the purpose of paying the costs of the Project.

SECTION 4. Other Actions. The President of the Board of Directors, the General Manager and other officers of the District are each hereby authorized and directed, jointly and severally, to take any and all actions and to execute and deliver any and all documents, agreements and certificates which they may deem necessary or advisable in order to carry out, give effect to and comply with the terms of this Resolution and the Installment Sale. Such actions are hereby ratified, confirmed and approved.

SECTION 5. Qualified Tax-Exempt Obligations. The Installment Sale is hereby designated as a "qualified tax-exempt obligation" within the meaning of Section 265(b)(3) of the Internal Revenue Code of 1986, as amended (the "Code"). The District, together with all subordinate entities of the District, do not reasonably expect to issue during the calendar year in which the Installment Sale is issued more than $10,000,000 of obligations which it could designate as "qualified tax-exempt obligations" under Section 265(b) of the Code.

SECTION 6. Effect. This Resolution shall take effect immediately upon its passage.

PASSED, APPROVED AND ADOPTED this 15th day of December, 2016, by the following vote:

AYES:

NAYS:

ABSTENTIONS:

ABSENT:

_____
_____, President
Board of Directors

ATTEST:

_____
Monique Madrid, District Clerk

APROVED AS TO FORM:

_____
Timothy J. Carmel, District Counsel

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Board of Directors AGENDA NO. **9.F.**

FROM: Jerry Gruber, General Manager
Monique Madrid, Administrative Services Officer

Meeting Date: December 15, 2016 Subject: DISCUSSION AND CONSIDERATION OF ADOPTION OF RESOLUTION 46-2016 AUTHORIZING AMENDMENTS TO THE PAYMENT AND COMPENSATION PLAN FOR CCSD MANAGEMENT AND CONFIDENTIAL EMPLOYEES (MCE)

Recommendation:
Staff recommends that the Board of Directors adopt Resolution 46-2016 approving the amended Payment and Compensation Plan for Management and Confidential Employees (MCE).

Fiscal Impact:
Approval of the Amendments to the Payment and Compensation Plan will have the following fiscal impacts. It should be noted that the fiscal impacts resulting from the adoption of the Addendum to the Plan are variable and are not yet in place. They would however, be in alignment within the approved budget.

Salary increases of 5.5% effective January 1, 2017 and a second increase on July 1, 2017 for a total of 11%. The 11% will not compound with the proposed two step approach suggested here.

FINANCIAL IMPACT OF PROPOSED MCE PAY RAISES

(a)	(b)	(c)	(d)	(e)	(f)	(g)
	CURRENT	1/1/17 RAISES	ANNUAL INCREASE	FY 16-17 IMPACT	7/1/17 RAISES	ANNUAL INCREASE
CONFIDENTIAL ADMIN ASST	$ 56,781	59,904	3,123	1,561	63,027	6,246
FACILITIES SUPERVISOR	$ 101,150	106,713	5,563	2,782	112,277	11,127
ADM SVS/DISTRICT CLERK	$ 140,701	148,440	7,739	3,869	156,178	15,477
FIRE CHIEF	$ 166,068	175,202	9,134	4,567	184,335	18,267
DISTRICT ENGINEER	$ 158,594	167,316	8,723	4,361	176,039	17,445
TOTAL COSTS	$ 623,294	$ 657,575	$ 34,281	$ 17,141	$691,856	$ 68,562

3.5: Health Insurance

Revise Paragraph B and rename Paragraph A: Revise cost sharing to an 85/15 split of premiums for the HMO Health Insurance Plan available to the District employees offered through the PERS system (Previously Blue Shield Net Value replaced with the Blue Shield Access Plus. This will result in a cost to the District of about $31 per month which equals $371 annually.

DISCUSSION:

The previous Payment and Compensation plan for the MCE group was for the period July 1, 2012 - June 30, 2015. The parties have been negotiating the terms of amending the Payment and Compensation Plan for MCE since March of 2015. Any changes in the Payment and Compensation Plan and Salary Increases were deferred due to the fiscal challenges the CCSD was experiencing in 2015.

The District has been working with reduced staffing levels for some time now. The Utilities Manager, Assistant Finance Manager, and Assistant Fire Chief positions were not filled after they were vacated. Some positions were combined, such as the Administrative Services Officer and District Clerk positions. The reduction of staffing and combination of duties requires additional salary levels to compensate for the increase in duties and responsibilities. In order to conduct business properly, the District must remain competitive in the salary and benefits offered. It should be noted that all District employees pay the entire member's portion of retirement contribution. This was tiered into the salary structure over the last few years prior to 2015.

The Water and Wastewater Supervisor positions were moved into the SEIU bargaining unit and fall under the supervision of both the District Engineer and the General Manager. Although some positions have now been filled and serve the community, as a whole the District overall has less staff.

In addition to the changes in compensation and benefits outlined above, a few additional changes relating to sick leave, bilingual pay, prescription safety glasses and uniforms. The most significant language clarifications are the following:

3.3. Sick Leave

A. Each full-time employee will earn sick leave from the date of employment, at the rate of 3.70 hours per bi-weekly pay period (96 hours/year). Regular part-time employees shall receive sick leave pay on a pro rata basis according to hours worked. This does not apply to temporary employees. Unused sick leave may be accumulated without limit. Employees may use up to one-half of one year's annual accrual (e.g., 48 hours for full-time employees) for family sick leave purposes.

B. Sick leave may be used for such things as: personal illness or injury; required attendance of an employee upon a sick or injured spouse, child or other immediate family member residing with the employee; medical or dental appointments to the extent that such appointments cannot be scheduled outside the work day. An employee may be granted sick leave only in the case of actual sickness as defined herein. No employee who is on sick leave shall engage in work or other activities which would negatively affect the employee's ability to return to work and to perform the duties assigned.

C. Sick Leave Requests. An employee requesting sick leave shall notify his/her immediate supervisor or the Department Head no later than one (1) hour before

the time their work shift begins or immediately when taken ill during work hours. Failure to do so without good reason, as determined by the Administrative Services Officer, Department Head, or their designee, may result in that day of absence being treated as leave of absence without pay. The employee, or the employee's designee, will first attempt to personally notify the employee's immediate supervisor or Department Head before utilizing voicemail, e-mail, and/or text message to make the sick leave request.

D. Physician's Certificate Requirements. In the event that an employee has requested or taken sick leave for three (3) or more workdays, the District may require the employee to immediately, or as soon as possible, provide a physician's certificate as to the illness or injury, duration, the treatment recommended for it, and/or an approval of the employee's intended return to work. However, the District may require such certification regarding sick leave use at any time, including when the District has reason to believe that sick leave is being abused. The General Manager or the General Manager's authorized representative may terminate or withhold said benefits if the employee fails to furnish satisfactory or non-falsified proof of illness or accident.

E. Abuse of Sick Leave. An employee is subject to disciplinary action for abuse of sick leave which is defined as a claim of entitlement to sick leave when the employee does not meet the requirements of sick leave as defined above, when they engage in work or other activities which negatively affect their ability to return to work, or when they furnish falsified proof of illness or accident.

F. Excessive Use of Sick Leave. Excessive use of unprotected sick leave may be considered in establishing the performance rating. Unprotected sick leave is sick leave which is not used in connection with Family Sick Leave, a reasonable accommodation for a disability, or any other leave that is provided under the law for which sick leave may be used. Excessive use of sick leave, tardiness, and failing to use the call-in procedures when absent or tardy can negatively impact the performance of your job or affect others in the performance of their job. Examples of excess use may include whether an employee's sick leave use indicates a pattern of use on or around specific days of the week, the number of absences compared to other employees, whether absenteeism is limited to a finite time period or whether it continues over time, the basis for the absenteeism and the significance of the impact on the performance of the employee's job or of others.

Renumber the current items D and E to H and I.

Section 3.5: Health Insurance:

Paragraph A and C: Delete paragraphs.

Paragraph D: If the legal requirements of the Affordable Care Act have an impact on District rights and obligations regarding health benefits for District employees, the District shall have the right to reopen Article 30 – Health Benefits, in order to meet and confer over such impacts.

Section 3.6: Dental Insurance:

Paragraph A: A Dental Insurance policy will be provided for each MCE member and his/her dependents. The District shall continue to pay 90% of the premiums for employee and dependent coverage for the lowest cost plan.

Paragraph B: Delete Paragraph

Paragraph C: Delete Paragraph

3.11. Retirement:

A. The District provides a Retirement Program for all regular employees working half-time or more. The Retirement Program may be provided through contract with the California Public Employees Retirement System (P.E.RS.), as is currently provided and may be integrated with Federal Social Security Program, as is currently provided. The District shall provide the PERS 3% @ 60 retirement plan for covered employees hired prior to October 1, 2012, including single highest year computation and credit for unused sick leave. The District shall provide the PERS 2% @ 60 retirement plan for covered employees hired on or after October 1, 2012 up through December 31, 2012, including the 36 highest consecutive months' final compensation provision. All covered employees hired on or after January 1, 2013 who are defined as "new members" under PEPRA will be covered by the 2% @ 62 retirement plan and the 36 highest consecutive months' final compensation provision.

B. All employees shall pay 100% of the PERS employee contribution. Employees receiving the 3% @ 60 retirement plan currently pay the entire 8% employee contribution and employees receiving the 2% @ 60 retirement plan currently pay the entire 7% employee contribution, as determined by statute and CalPERS. All covered employees hired on or after January 1, 2013 who are defined as "new members" under PEPRA will pay 50% of the total normal cost of the retirement benefit, as determined by CalPERS.

3.13. Family Medical Leave

Employees shall be eligible for benefits under the California Family Rights Act or Federal Family Medical Leave Act pursuant to state and federal law. Leaves of absence will run concurrently with the CFRA or FMLA when applicable.

Section 4.11: Other Allowances:

4. In addition, the District may, at its sole discretion following inspection of the previous year's clothing, provide the following articles of clothing once annually:

5 long sleeve shirts
5 short sleeve shirts

1 jacket
plus hats as needed

5. Prescription Safety Glasses. The District agrees to provide each employee a maximum allowance of up to one-hundred fifty hundred dollars ($150) per fiscal year for medically required prescription safety glasses. Employees will purchase approved prescription safety glasses from a vendor of their choice and submit a request for reimbursement. Upon reimbursement by the District, the employee shall maintain and wear such prescription safety glasses when performing his/her duties with the District.

6. Bilingual Premium Pay.

    a. The District, in its discretion, may designate a certain number of employees who will be called upon to speak, translate, read or write in Spanish as part of his/her regular duties. Such circumstance(s) will not be interpreted as the employee working out of his/her classification.

    b. The General Manager, or his/her designee, within his/her discretion, will determine the number of employees assigned and which eligible employees will be offered and/or retain a bilingual designation.

    c. Eligible employees, as defined below, who receive a bilingual assignment will receive bilingual premium pay in the amount of twenty-five ($25) dollars per pay period for all pay periods actually worked.

        i. Employees must pass a proficiency test as determined appropriate by the District. The proficiency test may measure, among other skills, an employee's ability to communicate, read, or write, fluently, directly, and accurately in both English and Spanish.

        ii. The District, in its discretion, may re-test employees' proficiency to determine continued eligibility for a bilingual designation.

It is further recommended that the following changes be added as an addendum to the Payment and Compensation Plan and affect only the Management and Confidential Employees. Changes in benefits must be negotiated with the represented employee groups at the appropriate time. Therefore these changes will not have an effect on the represented employee groups.

The District has been experiencing difficulty in attracting and retaining qualified employees for a number of reasons. The District is remote and Cambria is expensive. Living in close by communities and commuting to Cambria is costly. The District has also adopted two tiers for retirement and has a third tier instituted with the adoption of PEPRA. This has had an effect on the senior and experienced public employees causing them to continue their employment with their current employers. Consequently, attracting experienced public employees has waned over the recent years. In order to attract and retain qualified employees staff proposes the

following authority be added to an addendum to the Payment and Compensation Plan. This would allow the General Manager to provide additional compensation and benefits when appropriate in order to successfully attract and retain qualified employees.

1. Provide a phone and internet allowance. Authorize the General Manager to provide a monthly allowance up to $100.
2. Accruals: Authorize the General Manager to increase accrual rates of up to 2 weeks annually (i.e., vacation leave or administrative leave).
3. Relocation allowance: Authorize the General Manager to provide a relocation reimbursement allowance (with receipts) with an Agreement to commit to one year of service or repay the CCSD for the allowance.
4. Travel reimbursement: Authorize the General Manager to provide a travel allowance in the form of reimbursement (with receipts) for interviewing.
5. Working Out of Position: Allow the General Manager to authorize an increase in salary up to 10% for working out of position for a period not to exceed one year.
6. Education/Tuition reimbursement: Allow the General Manager to budget an annual amount to be dispersed to employees through a tuition reimbursement program. This amount would be determined through the budget process and would include a policy which would allow for a fair distribution of the funds.

Attachment: Resolution 46-2016
Exhibit “A”
Exhibit “B” Addendum 1 to Payment and Compensation Plan
Exhibit “C” Salary matrix

BOARD ACTION: Date _____ Approved: _____ Denied: _____

UNANIMOUS: ___ THOMPSON ____ BAHRINGER___ RICE ____SANDERS ____FARMER

RESOLUTION NO. 46-2016
DECEMBER 15, 2016

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE CAMBRIA COMMUNITY SERVICES DISTRICT
AUTHORIZING AMENDMENTS TO THE PAYMENT AND COMPENSATION
PLAN FOR MANAGEMENT AND CONFIDENTIAL EMPLOYEES

WHEREAS, the Board of Directors of the Cambria Community Services District entered into labor negotiations with the Management and Confidential Employees (MCE); and

WHEREAS, an agreement was reached between the CCSD and MCE with regard to salary and benefits, commencing January 1, 2017.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Cambria Community Services District hereby approves the amendments to the Payment and Compensation Plan for Management and Confidential Employees as set forth in Exhibits A, B, and C which are attached hereto and incorporated herein by this reference.

PASSED AND ADOPTED THIS 15th day of December, 2016.

_____
_____, President
Board of Directors

APROVED AS TO FORM:

_____
Timothy J. Carmel
District Counsel

ATTEST:

_____
Monique Madrid
District Clerk

EXHIBIT A to Resolution 46-2016 Amending
Payment and Compensation Plan Commencing January 1, 2017

This exhibit shall represent the changes made to the Payment and Compensation Plan, commencing January 1, 2017.

Article 3 – Fringe Benefits

3.3 Sick Leave

A. Each full-time employee will earn sick leave from the date of employment, at the rate of 3.70 hours per biweekly pay period (96 hours/year). Regular part-time employees shall receive sick leave pay on a pro rata basis according to hours worked. This does not apply to temporary employees. Unused sick leave may be accumulated without limit. Employees may use up to one-half of one year's annual accrual (e.g., 48 hours for full-time employees) for family sick leave purposes.

B. Sick leave may be used for such things as: personal illness or injury; required attendance of an employee upon a sick or injured spouse, child or other immediate family member residing with the employee; medical or dental appointments to the extent that such appointments cannot be scheduled outside the work day. An employee may be granted sick leave only in the case of actual sickness as defined herein. No employee who is on sick leave shall engage in work or other activities which would negatively affect the employee's ability to return to work and to perform the duties assigned.

C. Sick Leave Requests. An employee requesting sick leave shall notify his/her immediate supervisor or the Department Head no later than one (1) hour before the time their work shift begins or immediately when taken ill during work hours. Failure to do so without good reason, as determined by the Administrative Services Officer, Department Head, or their designee, may result in that day of absence being treated as leave of absence without pay. The employee, or the employee's designee, will first attempt to personally notify the employee's immediate supervisor or Department Head before utilizing voicemail, e-mail, and/or text message to make the sick leave request.

D. Physician's Certificate Requirements. In the event that an employee has requested or taken sick leave for three (3) or more workdays, the District may require the employee to immediately, or as soon as possible, provide a physician's certificate as to the illness or injury, duration, the treatment recommended for it, and/or an approval of the employee's intended return to work. However, the District may require such certification regarding sick

leave use at any time, including when the District has reason to believe that sick leave is being abused. The General Manager or the General Manager's authorized representative may terminate or withhold said benefits if the employee fails to furnish satisfactory or non-falsified proof of illness or accident.

E. Abuse of Sick Leave. An employee is subject to disciplinary action for abuse of sick leave which is defined as a claim of entitlement to sick leave when the employee does not meet the requirements of sick leave as defined above, when they engage in work or other activities which negatively affect their ability to return to work, or when they furnish falsified proof of illness or accident.

F. Excessive Use of Sick Leave. Excessive use of unprotected sick leave may be considered in establishing the performance rating. Unprotected sick leave is sick leave which is not used in connection with Family Sick Leave, a reasonable accommodation for a disability, or any other leave that is provided under the law for which sick leave may be used. Excessive use of sick leave, tardiness, and failing to use the call-in procedures when absent or tardy can negatively impact the performance of your job or affect others in the performance of their job. Examples of excess use may include whether an employee's sick leave use indicates a pattern of use on or around specific days of the week, the number of absences compared to other employees, whether absenteeism is limited to a finite time period or whether it continues over time, the basis for the absenteeism and the significance of the impact on the performance of the employee's job or of others.

G. Upon termination of a full-time or regular part-time employee in good standing, (i.e., resignation/retirement, excluding disciplinary termination and resignation/retirement in lieu of disciplinary termination), he/she will be paid for 50% of accumulated but unused sick leave, up to a maximum accrual of 720 hours. Therefore, the maximum that will be paid is 50% x 720 hours = 360 hours.

H. Employees may voluntarily transfer up to forty (40) hours of unused sick leave per fiscal year in one (1) hour increments to a "sick leave bank" under the conditions established herein. The sick leave transfer shall be on an hour for hour basis and subject to the following conditions:

1. The employee donating the sick leave must have a minimum of eighty (80) hours of accrued sick leave available after the donation. No transfers of sick leave shall be allowed when the donating employee is terminated, separated or retires from the District within nine (9) months after the donation. All transfers to the "sick leave bank" shall be non-

reversible and donations shall be processed on the District's Personnel Action Form in the same manner as any other leave request.

2. Employees eligible to receive sick leave hours from the "sick leave bank" must have been employed by the District for a minimum of eighteen (18) months, have exhausted all paid leave and are suffering from a long term illness or injury that will result in the loss of work for a period of at least twenty (20) consecutive working days. These "sick leave bank" provisions shall extend to the required attendance of an employee for the care of a spouse, child or other immediate family member residing with the employee. The General Manager shall review, approve, modify or deny requests for use of the "sick leave bank" based on the employee request and the criteria established in this section.

3. Employees utilizing the "sick leave bank" may integrate these benefits with the provisions of Section 3.8 of this Payment and Compensation Plan for State Disability Insurance, as well as Worker's Compensation, provided, however, that the total compensation from these sources combined shall not exceed the employee's base salary.

4. The District reserves the right to request additional information on the nature of the injury or illness and/or require verification from a medical doctor regarding the diagnosis prior to making an eligibility determination.

5. The maximum sick leave available for use by an eligible employee during any twelve (12) month period shall be the lesser of 1,056 hours or the amount of sick leave available in the "sick leave bank." Allocation of hours from the "sick leave bank" shall commence on the date that all other leave of the requesting employee is exhausted. Subsequent eligibility by additional employees for use of the "sick leave bank" shall result in the concurrent use of available hours in the "sick leave bank."

I. A sick leave incentive plan shall be established effective January 1, 1997, which will provide for the conversion of twenty four (24) hours of sick leave to vacation or pay if no sick leave is used by an employee during the calendar year. The employee must request the conversion during the month of January for the previous calendar year. Failure to request the conversion during January will result in ineligibility for conversion for the previous calendar year. All requests for conversion are non-reversible and shall require prior approval by the General Manager.

3.5 Health Insurance

A. Effective January 1, 2017 the District will pay 85% of the premiums for employee and dependent coverage for the Blue Shield Access Plus plan available to District employees offered through the PERS system. The District payment is inclusive of the PERS minimum health contribution (currently $115/mo). The balance of the total District contribution is a cafeteria like plan contribution. In the event an employee elects a higher cost coverage, the employee shall pay the increased cost for that plan. District premium payments apply to retirees and their dependents as applied to active employees and their dependents for employees/retirees hired before October 1, 2012.

B. Employees hired after October 1, 2012 shall be eligible to receive retiree health contributions in an amount equal to the PERS minimum health contribution only.

C. In the event legislation is passed allowing for local PERS agencies to reduce contributions for retiree health insurance coverage, all employees retiring after the effective date of such legislation shall be provided health insurance coverage at the same ratio as current employees. Employees retiring prior to such legislation shall have insurance coverage as currently provided.

D. If the legal requirements of the Affordable Care Act have an impact on District rights and obligations regarding health benefits for District employees, the District shall have the right to reopen Article 30 – Health Benefits, in order to meet and confer over such impacts.

3.6 Dental Insurance

A Dental Insurance policy will be provided for each MCE member and his/her dependents. The District shall continue to pay 90% of the premiums for employee and dependent coverage for the lowest cost plan.

3.11 Retirement

A. The District provides a Retirement Program for all regular employees working half-time or more. The Retirement Program may be provided through contract with the California Public Employees Retirement System (P.E.RS.), as is currently provided and may be integrated with Federal Social Security Program, as is currently provided. The District shall provide the PERS 3% @ 60 retirement plan for covered employees hired prior to October 1, 2012, including single highest year computation and credit for unused sick leave. The District shall provide the PERS 2% @ 60 retirement plan for covered employees hired on or after October 1, 2012 up through December 31, 2012, including the 36 highest consecutive

months' final compensation provision. All covered employees hired on or after January 1, 2013 who are defined as "new members" under PEPRA will be covered by the 2% @ 62 retirement plan and the 36 highest consecutive months' final compensation provision.

B. All employees shall pay 100% of the PERS employee contribution. Employees receiving the 3% @ 60 retirement plan currently pay the entire 8% employee contribution and employees receiving the 2% @ 60 retirement plan currently pay the entire 7% employee contribution, as determined by statute and CalPERS. All covered employees hired on or after January 1, 2013 who are defined as "new members" under PEPRA will pay 50% of the total normal cost of the retirement benefit, as determined by CalPERS.

3.13 Family Medical Leave

Employees shall be eligible for benefits under the California Family Rights Act or Federal Family Medical Leave Act pursuant to state and federal law. Leaves of absence will run concurrently with the CFRA or FMLA when applicable.

4.11 Other Allowances

A. Operations and Maintenance Unit

1. The District shall provide employees in the Operations and Maintenance Unit a boot or safety shoe allowance of $150 per year. This allowance shall be paid in single payment in July of each year upon presentation of receipt for boots or safety shoes.

2. Employees in the Operations and Maintenance Unit shall receive a clothing allowance of $250 payable in July.

3. Employees shall maintain their uniforms and other clothing on the job in neat and clean condition. The employee shall replace worn or damaged clothing items at their own cost with the exception of coveralls or other job specialty clothing.

4. In addition, the District may, at its sole discretion following inspection of the previous year's clothing, provide the following articles of clothing once annually:

   5 long sleeve shirts
   5 short sleeve shirts
   1 jacket
   plus hats as needed

   Employees shall be required to wear these items while on duty.

5. Prescription Safety Glasses. The District agrees to provide each employee a maximum allowance of up to one-hundred fifty hundred dollars ($150) per fiscal year for medically required prescription safety glasses. Employees will purchase approved prescription safety glasses from a vendor of their choice and submit a request for reimbursement. Upon reimbursement by the District, the employee shall maintain and wear such prescription safety glasses when performing his/her duties with the District.

6. Bilingual Premium Pay.

    a. The District, in its discretion, may designate a certain number of employees who will be called upon to speak, translate, read or write in Spanish as part of his/her regular duties. Such circumstance(s) will not be interpreted as the employee working out of his/her classification.

    b. The General Manager, or his/her designee, within his/her discretion, will determine the number of employees assigned and which eligible employees will be offered and/or retain a bilingual designation.

    c. Eligible employees, as defined below, who receive a bilingual assignment will receive bilingual premium pay in the amount of twenty-five ($25) dollars per pay period for all pay periods actually worked.

        i. Employees must pass a proficiency test as determined appropriate by the District. The proficiency test may measure, among other skills, an employee's ability to communicate, read, or write, fluently, directly, and accurately in both English and Spanish.

        ii. The District, in its discretion, may re-test employees' proficiency to determine continued eligibility for a bilingual designation.

Exhibit B to Resolution 46-2016

Addendum 1 to the Payment and Compensation Plan

BETWEEN

THE CAMBRIA COMMUNITY SERVICES DISTRICT (CCSD) AND CAMBRIA MANAGEMENT AND CONFIDENTIAL EMPLOYEE (MCE) GROUP (collectively "Parties")

The CCSD Board of Directors met in Closed Session on November 17, 2016 to discuss various items related to compensation for the MCE employees. As a result, the Parties enter into this amendment to the Payment and Compensation plan effective only on the Parties referenced herein. Effective January 1, 2017 which shall remain in effect unless agreed to otherwise in writing. Authority is given to the General Manager to provide the following additional compensation and benefits when appropriate in order to successfully attract and retain qualified employees.

The parties agree to the following:

1. Provide a phone and internet allowance. Authorize the General Manager to provide a monthly allowance up to $100.
2. Accruals: Authorize the General Manager to provide an increase of accrual rates up to 2 weeks annually, i.e. vacation leave or administrative leave.
3. Relocation allowance: Authorize the General Manager to provide a relocation reimbursement allowance (with receipts.) Require an Agreement to commit to one year of service or repay the CCSD for the relocation allowance.
4. Travel reimbursement: Authorize the General Manager to provide a travel allowance in the form of reimbursement (with receipts) for interviewing purposes.
5. Working Out of Position: Allow the General Manager to authorize an increase in salary up to 10% for working out of position for a period not to exceed one year.
6. Education/Tuition reimbursement: Allow the General Manager to budget an annual amount to be dispersed to employees through a tuition reimbursement program. This amount would be determined through the budget process and would include a policy which would allow for a fair distribution of the funds.

It is further recommended that the following changes be added as an addendum to the Payment and Compensation and affect only the Management and Confidential Employees following a completion of an update to the Payment and Compensation Plan of all previously approved changes between the period of 2000 and 2016.

CAMBRIA COMMUNITY SERVICES DISTRICT
MANAGEMENT AND CONFIDENTIAL EMPLOYEES
PROPOSED SALARY SCHEDULES 12/15/16

EXISTING ANNUAL SALARY SCHEDULE EFFECTIVE JULY 1, 2015

Position	STEP A	STEP B	STEP C	STEP D	STEP E
Confidential Administrative Assistant	$44,854	$47,097	$49,452	$51,924	$54,520
Facilities & Resources Supervisor	$67,518	$70,894	$74,439	$78,161	$82,069
District Clerk/Admin Services Officer	$95,729	$100,515	$105,541	$110,818	$116,359
District Engineer; Fire Chief	$107,902	$113,297	$118,962	$124,910	$131,156
Finance Manager	$107,902	$113,297	$118,962	$124,910	$131,156

(Note: the Finance Manager's salary was adopted November 17, 2016 and will not change)

PROPOSED ANNUAL SALARY SCHEDULE EFFECTIVE JANUARY 1, 2017

(This schedule is 5.5% higher than July 1, 2015)

Position	STEP A	STEP B	STEP C	STEP D	STEP E
Confidential Administrative Assistant	$47,321	$49,687	$52,171	$54,780	$57,519
Facilities & Resources Supervisor	$71,231	$74,793	$78,533	$82,459	$86,582
District Clerk/Admin Services Officer	$100,994	$106,044	$111,346	$116,913	$122,759
District Engineer; Fire Chief	$113,837	$119,528	$125,505	$131,780	$138,369
Finance Manager	$107,902	$113,297	$118,962	$124,910	$131,156

(Note: the Finance Manager's salary was adopted November 17, 2016 and will not change)

PROPOSED ANNUAL SALARY SCHEDULE EFFECTIVE JULY 1, 2017

(This schedule is 11.0% higher than July 1, 2015)

Position	STEP A	STEP B	STEP C	STEP D	STEP E
Confidential Administrative Assistant	$49,788	$52,277	$54,891	$57,636	$60,518
Facilities & Resources Supervisor	$74,945	$78,692	$82,627	$86,758	$91,096
District Clerk/Admin Services Officer	$106,259	$111,572	$117,151	$123,008	$129,159
District Engineer; Fire Chief	$119,771	$125,760	$132,048	$138,650	$145,583
Finance Manager	$107,902	$113,297	$118,962	$124,910	$131,156

(Note: the Finance Manager's salary was adopted November 17, 2016 and will not change)