

Appendix F

Breakdown of Pressure Reducing Valve, Generator and Fire Hydrant Costs

APPENDIX F
CAMBRIA COMMUNITY SERVICES DISTRICT
BREAKDOWN OF PRESSURE REDUCING VALVE
GENERATOR AND FIRE HYDRANT COSTS

PRV UNIT COST ESTIMATE	
DESCRIPTION	COST
6' x 8' Vault w/Hatch Cover	\$11,000.00
8" PRV w/2 Isolation Valves	\$10,000.00
Miscellaneous Piping	\$2,000.00
Taxes, Contractor Overhead & Profit, Design Allowance, Engineering, Legal/Adminstrative, Construction Management and Contingency.	\$18,000.00
TOTAL 8" PRV	\$41,000.00
6' x 8' Vault w/Hatch Cover	\$11,000.00
10" PRV w/2 Isolation Valves	\$12,000.00
Miscellaneous Piping	\$2,000.00
Taxes, Contractor Overhead & Profit, Design Allowance, Engineering, Legal/Adminstrative, Construction Management and Contingency.	\$21,000.00
TOTAL 10" PRV	\$46,000.00
6' x 8' Vault w/Hatch Cover	\$11,000.00
12" PRV w/2 Isolation Valves	\$15,000.00
Miscellaneous Piping	\$2,000.00
Taxes, Contractor Overhead & Profit, Design Allowance, Engineering, Legal/Adminstrative, Construction Management and Contingency.	\$23,000.00
TOTAL 12" PRV	\$51,000.00
GENERATOR COST ESTIMATE	
50 kW @ \$300/kW	\$15,000.00
Enclosure	\$5,000.00
Transfer Switch	\$6,000.00
Fuel Tank	\$3,000.00
Misc. Electrical	\$5,000.00
Foundation/Earthwork	\$5,000.00
Subtotal	\$39,000.00
Taxes (8.25%)	\$3,220.00
Installation (18%)	\$7,020.00
Engineering (20%)	\$7,800.00
Contingency (20%)	\$7,800.00
Legal/Admin.	\$780.00
TOTAL GENERATOR COST	\$65,620.00
FIRE HYDRANT UNIT COST ESTIMATE	
Cast Iron Hydrant include Lower Barrel & Shoe	\$931.00
Excavation	\$68.00
Sleeve	\$1,046.00
Offset Pipe 6", CL 250 Ductile Iron	\$1,178.00
Gate Valve, 6"	\$443.00
Gate Box	\$195.00
Thrust Blocks at Valve, Shoe and Sleeve	\$618.00
Borrow, crushed stone, 3/8"	\$312.00
Backfill and Compact, dozer, air tamped	\$6.00
Spread Excess Material	\$1.00
Fine Grade Hand	\$172.00
Taxes, Contractor Overhead & Profit, Design Allowance, Engineering, Legal/Adminstrative, Construction Management and Contingency.	\$2,167.00
TOTAL FIRE HYDRANT COST	\$7,137.00