

Scope of Supply

PROPOSAL DATE: 5/14/2010
PROJECT NUMBER: 631300V2
PROJECT REFERENCE: Gillette Regional Pump Stations
SPECIFICATION SECTION: NA
SYSTEM MODEL#: SEE BELOW
OF PUMPS (EXCLUDING PMP): SEE BELOW

Metron has been a leading manufacturer of Pump Controllers and Packaged Pumping Systems for more than 50 years. Our commitment to high standards of quality and reliability include U.L. certification of the skid mounted Packaged Pumping System. Only Metron, Inc. can offer the largest and most qualified pump station service organization with the quickest solutions during all phases of the project. Largest pump panel and package manufacturer with unequalled sales and technical experience and support. Metron, Inc. is the world's largest supplier of fire pump controls. Our standards for quality, reliability and responsiveness are unsurpassed.

GENERAL NOTE:

This proposal was derived from information provided by Bryon Wood of HDR, Inc. This proposal is completely BUDGETARY. Once the scope is fully defined, we can update the quote.

The following assumptions have been made:

- ~ Generators are required for each station. The generators included have been supplied for future additional pump.
 - ~ Buckskin Meadows and Peoples pump stations will not require pressure maintenance pumps due to low systems design flows.
 - ~ Potable coatings and AWWA valves are required on each station.
 - ~ VFD's are required on each supplied pump.
 - ~ Additional space is required for a future pump.
 - ~ A control panel with an A/C unit is equivalent to an electrical room.
- V2 - Added Antelope Valley price to scope of supply. (see below)**

SYSTEM(S) DETAILS	DESCRIPTION
PACKAGE PUMP SYSTEM	1
PAINT	FOR ENTIRE SKID AND PIPING
SANDBLAST	FOR ENTIRE SKID AND PIPING
PANEL TEST	FOR ENTIRE SKID AND PIPING
QC	FOR ENTIRE SKID AND PIPING
SKID BASE	
SKID BASE	FOR PUMPS
WELDMENT	INCLUDES:
DIAMOND PLATE	3/16" DIAMOND DECK PLATE, 48" X 120", STEEL
MISC	HARDWARE, GASKETS, ETC
PUMP ASSEMBLY	
PUMP ASSEMBLY, POTABLE	QTY PER ASSEMBLY
PUMP	PUMP
MOTOR	MOTOR
VALVES	INCLUDES:
AIR RELEASE VALVE	1/2", 1/16" ORIFICE, MAX 175 PSI
BALL VALVE	BALL VALVE, 1/2", BRONZE, FNPTXFNPT
CHECK VALVE	CHECK VALVE, SINGLE DISC, WAFER STYLE, POTABLE
BUTTERFLY VALVE	WAFER STYLE, LEVER HANDLE, CAST IRON BODY, CAST IRON DISC, SS STEM, EDPM SEAT, AWWA C504
PIPE & FITTINGS	PIPE, ELBOW, TEES, ETC.
PIPE	PIPE, STEEL, SCH40
FLANGE	WELDNECK, STEEL, 150#
FLANGE	SLIP-ON, STEEL, 150#
EXPANSION JOINT	NEOPRENE BODY, FLANGED, 150#, W/RESTRAINT CABLES, CABLESPHERE
MISC	DRAINS, GASKETS, PIPE SUPPORTS
PRESSURE MAINTANANCE PUMP ASSEMBLY	
PRESSURE MAINTANANCE PUMP, POTABLE	2.5" PIPING
PUMP	SUBMERSIBLE TYPE W/SS HOUSING AND IMPELLERS
MOTOR	MOTOR
VALVES	INCLUDES:
BUTTERFLY VALVE	WAFER STYLE, LEVER HANDLE, CAST IRON BODY, CAST IRON DISC, SS STEM, EDPM SEAT, AWWA C504
CHECK VALVE	CHECK VALVE, SINGLE DISC, WAFER STYLE, POTABLE
PIPE & FITTINGS	PIPE, ELBOW, TEES, ETC.
MISC	DRAINS, GASKETS, PIPE SUPPORTS
SUCTION ASSEMBLY	
PUMP SUCTION MANIFOLD, POTABLE	1
VALVES	1 INCLUDES:
BUTTERFLY VALVE	1 6", WAFER STYLE, LEVER HANDLE, CAST IRON BODY, CAST IRON DISC, SS STEM, EDPM SEAT, AWWA C504
PIPE & FITTINGS	1 PIPE, ELBOW, TEES, ETC.
MISC	1 DRAINS, GASKETS, PIPE SUPPORTS
DISCHARGE ASSEMBLY	
PUMP DISCHARGE MANIFOLD, POTABLE	1
VALVES	1 INCLUDES:
BUTTERFLY VALVE	1 6", WAFER STYLE, LEVER HANDLE, CAST IRON BODY, CAST IRON DISC, SS STEM, EDPM SEAT, AWWA C504
PIPE & FITTINGS	1 PIPE, ELBOW, TEES, ETC.
MISC	1 DRAINS, GASKETS, PIPE SUPPORTS
PRESSURE RELIEF VALVE ASSEMBLY	
PRV ASSEMBLY, POTABLE	
VALVES	INCLUDES:
PRESSURE RELIEF VALVE	ANGLED, THREADED, CLASS 300, 20-200 PSI, EPOXY COATING

BALL VALVE PIPE & FITTINGS MISC	THREADED, BRASS, FULL OPENING PIPE, ELBOW, TEES, ETC. DRAINS, GASKETS, PIPE SUPPORTS
METERING RUN METER RUN, 5 X 2 RATIO, EM METER INSTRUMENTS FLOW METER VALVES BUTTERFLY VALVE PIPE & FITTINGS PIPE FLANGE FLANGE MISC	MAGNETIC, FLANGED INCLUDES: FLANGED STYLE, LEVER HANDLE, CAST IRON BODY, CAST IRON DISC, SS STEM, EDPM SEAT, AWWA C504 PIPE, ELBOW, TEES, ETC. PIPE, STEEL, SCH40 SLIP-ON, STEEL, 150# SLIP-ON, STEEL, 150# DRAINS, GASKETS, PIPE SUPPORTS
CONTROLS CONTROL PANEL 65" W X 60" T X 20" D PANEL PANEL CIRCUIT PROTECTION DISCONNECT SWITCH CONTROL TRANSFORMER PLC PARTS PLC PACKAGE, W/PLC, ANALOG, OID POWER MONITOR SURGE ARRESTOR GFCI ALARM HORN LOGIC COMPONENTS MAIN PUMP LOGIC COMPONENTS MAIN PUMP LOGIC COMPONENTS PRESSURE MAINTAINENCE PUMP LOGIC COMPONENTS POWER COMPONENTS MOTOR POWER PARTS VFD FUSE BLOCK FUSES PMP POWER COMPONENTS CONTACTOR RELAY FUSE BLOCK FUSE	ENCLOSURE 65" W X 60" T X 20" D PANEL, MILD STEEL, POWDERCOATED, WITH 6" FEET, NEMA 12 CIRCUIT PROTECTION DEVICE DISCONNECT SWITCH CONTROL TRANSFORMER KIT FOR PLC PLC PACKAGE, GE FANUC PAC RX3I AND QUICKPANEL VIEW 6" COLOR TOUCH POWER MONITOR SURGE ARRESTOR GFCI ALARM HORN LOGIC COMPONENTS FOR MOTOR 1 FOR MOTOR 2 FOR ALL HP PMP PUMPS POWER COMPONENTS FOR EACH MOTOR VFD FUSE BLOCK FUSES FOR 7.5 HP MOTOR CONTACTOR RELAY FUSE BLOCK FUSE
CONTROL OPTIONS PRESSURE TRANSDUCER, 1% ACCURACY, 0-200 PSI GAUGE TRANSDUCER PRESSURE GAUGE PRESSURE TRANSDUCER, 1% ACCURACY, 30HG-60 PSI GAUGE TRANSDUCER PRESSURE GAUGE	ELECTRICAL COMPONENTS FOR OPTION SOLID-STATE BONDED STRAIN TYPE, +/- 0.13% OF FULL SCALE, 17-4 PH SS SILICON FILLED, +/-2 %, 2-1/2" DIA, 0 – 200 PSIG, STAINLESS STEEL BACK, AND BRONZE INTERNALS SOLID-STATE BONDED STRAIN TYPE, +/- 0.13% OF FULL SCALE, 17-4 PH SS SILICON FILLED, +/-2 %, 2-1/2" DIA, 0 – 200 PSIG, STAINLESS STEEL BACK, AND BRONZE INTERNALS
ACCESSORIES METRON BUILDING * INTERIOR AND EXTERIOR WALLS * INSULATION * UL LISTED PER NEC * 100 MPH WIND LOAD WITH 45 PSF SNOW LOAD	16 GAUGE GALVANIZED STEEL R-13 WALL, R-13 CEILING PE STAMP OR STATE CERTIFICATION AVAILABLE UPON REQUEST

The selling prices includes freight to the installation site in Gillette, WY, but does not include the freight related cost for on-site delays.

The selling price does not include off-loading the pumping station.

The selling price includes one-half (1/2) day (4 hours) of installation oversight per station.

The selling price includes one (1) 8-hour day of start-up assistance and customer training per station.

The selling price includes two (2) copies of Submittals per station.

The selling price includes two (2) bound O & M manuals per station.

NET SELLING PRICE

West Gillette - 10' x 16' x 10' Skid with Building Model # - HES-VFD-125/125/125/40-1500/195-460VAC 3 - 125 HP Pumps - 1500 GPM @ 450' w/ PMP - 1 Pump is redundant	\$346,703.00
Fox Ridge - 9' x 14' x 10' Skid with Building HES-VFD-15/15/-150/180-460VAC 2 - 15 HP Pumps - 150 GPM @ 180' w/ PMP - 1 Pump is redundant	\$179,330.00
Peoples - 9' x 14' x 10' Skid with Building HES-VFD-7.5/7.5/-100/200-460VAC 2 - 7.5 HP Pumps - 100 GPM @ 200' w/ PMP - 1 Pump is redundant	\$173,377.00
East Gillette - 9' x 14' x 10' Skid with Building HES-VFD-15/15/-250/120-460VAC 2 - 15 HP Pumps - 250 GPM @ 120' w/ PMP - 1 Pump is redundant	\$175,441.00
Buckskin Meadows - 9' x 14' x 10' Skid with Building HES-VFD-5/5/-50/180-460VAC 2 - 5 HP Pumps - 50 GPM @ 180' w/ PMP - 1 Pump is redundant	\$166,635.00
Antelope Valley - 9' x 14' x 10' Skid with Building HES-VFD-20/20/2-500/100-460VAC 2 - 20 HP Pumps - 500 GPM @ 100' w/ PMP - 1 Pump is redundant	\$178,418.00