

FAC 1251 POL PIPELINE

FY22 SUC: \$10.77 / LF
 Source: Inflated from previous FY using ENR labor and material cost indices to measure actual inflation
 Original Source: 2018 DLA Study of Fuel Facilities

Design Life	45	Years			
Representative Size	1	FT			
Component	Frequency	Estimated Cost per Occurrence	Occurrences in Design Life	Occurrences Rounded	Design Life Cost
Repairs					
Large Section Replacement, Major Repair (20)	20	\$ 36.86	2.3	2.0	\$ 73.72
Minor Valve Repairs (5)	10	\$ 21.42	4.5	4.0	\$ 85.68
Minor Pipe Repairs (5)	10	\$ 15.75	4.5	4.0	\$ 63.00
Inspection					
API 570 Inspection (UFC 3-460-03) (5)	10	\$ 17.96	4.5	4.0	\$ 71.84
Coating					
Exterior cleaning and recoating (10)	10	\$ 26.99	4.5	4.0	\$ 107.96
Pre-Post Cost	10	\$ 0.81	4.5	4.0	\$ 3.24
RMMR	1	\$ 0.01	45.0	45.0	\$ 0.45
SIOH	1	\$ 0.01	45.0	45.0	\$ 0.45
Cathodic Protection	1	\$ 0.27	45.0	45.0	\$ 12.15
Operator Maintenance	1	\$ 0.16	45.0	45.0	\$ 7.20
Total					\$ 425.69
Annual SUC Per UM					\$ 9.46
Operator Maintenance Calculated using RS Means Costworks PM Model below					
CostWorks 2018 Quarter 3 - FAC 1251 Pipeline PM Only			Average Size	10881	LF
Description	Qty	Labor Hours	Bare Total	Total In-House	Total Incl. O&P
Valve, globe, auto, above 4", annualized	8.0	2.60	224.00	271.36	\$324.24
Valve, pressure regular, above 4", annualized	8.0	2.87	192.80	239.52	\$292.08
Valve, automatic, above 4", annualized	8.0	1.50	170.64	202.16	\$239.44
Pump Centrifugal, w/ reduction gear, over 1 H.P., annualized	4.0	5.10	343.84	428.64	\$523.24
Controls, Central System	1.0	0.00	0.00	0.00	\$0.00
Circuit breaker, high voltage air, annualized	2.0	0.94	91.20	107.64	\$131.04
Panelboard, 225 A and above, annualized	1.0	0.44	51.91	60.93	\$73.20
Cathodic protection system, annualized	1.0	1.46	99.06	119.89	\$149.09
Total					\$1,732.33
PM per Linear Foot					\$0.16