

FAC 8231 HEAT GAS PRODUCTION PLANT

FY24 SUC: \$0.00008 / BH
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 8231 HEAT GAS PRODUCTION PLANT

Release 2023 Qtr 4

UM BH

Zip Code Prefix 222

Design Life 34

Type MR

Average Size 54000000.0

SUC \$0.00008

Adjusted Occurences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Check and adjust 10 H.P. compressor	1	2.00 Ea.	\$178.06	\$222.90	34.0000	34	34	\$7,578.65	\$7,578.65	
Replace 10 H.P. compressor	25	2.00 Ea.	\$31,513.43	\$36,647.33	1.3600	1	1	\$36,647.33	\$36,647.33	
Replace expansion tank, 400 gal capacity	50	2.00 Ea.	\$28,502.36	\$32,569.50	0.6800	0	0	\$0.00	\$0.00	
Repair damaged pipe insulation, fiberglass 2"	5	4.00 Ea.	\$105.56	\$128.68	6.8000	6	6	\$772.09	\$772.09	
Install new 2" gasket, 1 per M.L.F. natural gas, steel/iron	30	1.00 Ea.	\$141.41	\$175.10	1.1333	1	1	\$175.10	\$175.10	
Replace 10' of buried 2" diam steel pipe/M.L.F. natural gas	12	8.00 Ea.	\$5,393.96	\$6,692.16	2.8333	2	2	\$13,384.33	\$13,384.33	
Check gas pressure natural gas, pressure reducing valve	5	1.00 Ea.	\$10.14	\$12.70	6.8000	6	6	\$76.19	\$76.19	
Replace 10' steel pipe 1/2" diam. per M.L.F. LPG distribution	12	3.00 Ea.	\$977.25	\$1,201.75	2.8333	2	2	\$2,403.50	\$2,403.50	
Replace metal flue, all fuel SS, 6" diameter metal flue / chimney	15	1.00 L.F.	\$165.38	\$190.91	2.2667	2	2	\$381.83	\$381.83	
Preventive maintenance oil filter	1	1.00 Ea.	\$7.09	\$8.52	34.0000	34	34	\$289.61	\$289.61	
Preventive maintenance fuel level meter	5	1.00 Ea.	\$39.18	\$49.05	6.8000	6	6	\$294.28	\$294.28	
Replace remote tank fuel gauge	20	1.00 Ea.	\$6,439.74	\$7,373.78	1.7000	1	1	\$7,373.78	\$7,373.78	
			\$73,473.54	\$85,272.38				MR Subtotal	\$69,376.68	
									MR Per Year	\$2,040.49
									PM Total	\$2,363.56
									Subtotal	\$4,404.05
									Total Per Unit	\$0.00008

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Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Valve, globe, above 4", annualized	1.00	0.16	\$4.14	\$8.50	\$0.00	\$12.64	\$15.61	\$18.78
Valve, pressure regular, above 4", annualized	1.00	0.36	\$5.92	\$19.18	\$0.00	\$25.10	\$31.45	\$38.09
Valve, automatic, above 4", annualized	1.00	0.19	\$4.14	\$9.98	\$0.00	\$14.12	\$17.53	\$21.15
Oxygen monitor, annualized	1.00	5.00	\$490.82	\$265.96	\$0.00	\$756.78	\$885.65	\$1,039.06
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$169.00	\$121.21	\$0.00	\$290.21	\$343.47	\$405.19
Air compressor, centrifugal, to 40 H.P., annualized	2.00	6.82	\$119.42	\$432.51	\$0.00	\$551.93	\$693.62	\$841.29
						\$1,650.79	\$1,987.34	\$2,363.56

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Modeled Component List

CostWorks Release 2023 Qtr 4

D20 Plumbing

Compressed Air Systems, Compressors, 10 H.P.	2.0 Ea.
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D30 HVAC

Metal Flue / Chimney, 6" diameter	1.0 L.F.
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Sustainment by Year
CostWorks Release 2023 Qtr 4

