

FAC 1262 POL PUMP STATION

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| FY24 SUC: | \$17.78 / GM |
| Source: | Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices |

FAC 1262 POL PUMP STATION

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM GM
Design Life 50
Average Size 1403.605824

SUC \$17.78

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 | |
|--|-----------|-------------|----------------|---------------|-----------------------|----------------------------|----------------------|--------------|----------------|-------------|
| Replace old valve, non-drain, 10" | 10 | 2.00 Ea. | \$20,682.75 | \$23,796.13 | 5.0000 | 5 | 5 | \$118,980.65 | \$118,980.65 | |
| Inspect sprinkler system | 1 | 1.00 Ea. | \$36.17 | \$45.28 | 50.0000 | 50 | 50 | \$2,264.22 | \$2,264.22 | |
| Replace sprinkler head | 20 | 4.00 Ea. | \$350.59 | \$432.61 | 2.5000 | 2 | 2 | \$865.22 | \$865.22 | |
| Maintenance and inspection switchgear, indoor, 600 V | 3 | 1.00 Ea. | \$42.34 | \$53.05 | 16.6667 | 16 | 16 | \$848.82 | \$848.82 | |
| Replace switchgear, indoor, 600 V | 30 | 1.00 Ea. | \$2,989.28 | \$3,595.55 | 1.6667 | 1 | 1 | \$3,595.55 | \$3,595.55 | |
| Repair switchboard meter | 10 | 1.00 Ea. | \$1,218.62 | \$1,434.12 | 5.0000 | 5 | 5 | \$7,170.62 | \$7,170.62 | |
| Replace switchboard meter | 20 | 1.00 Ea. | \$4,154.75 | \$4,742.14 | 2.5000 | 2 | 2 | \$9,484.29 | \$9,484.29 | |
| Maintenance and repair motor starter, 600 V | 3 | 1.00 Ea. | \$701.17 | \$863.04 | 16.6667 | 16 | 16 | \$13,808.68 | \$13,808.68 | |
| Replace starter motor starter, 600 V | 18 | 1.00 Ea. | \$5,809.05 | \$6,768.71 | 2.7778 | 2 | 2 | \$13,537.42 | \$13,537.42 | |
| Maintenance and inspection lighting panel, indoor | 3 | 1.00 Ea. | \$42.34 | \$53.05 | 16.6667 | 16 | 16 | \$848.82 | \$848.82 | |
| Maintenance and inspection circuit breaker, enclosed, 600 V, 3 pole | 0.33 | 1.00 Ea. | \$34.13 | \$42.76 | 151.5152 | 151 | 151 | \$6,456.40 | \$6,456.40 | |
| Replace circuit breaker enclosed, 600 V, 3 pole circuit breaker | 50 | 1.00 Ea. | \$1,029.72 | \$1,215.29 | 1.0000 | 1 | 1 | \$1,215.29 | \$1,215.29 | |
| Maintenance and repair safety switch general, 3 pole | 8 | 1.00 Ea. | \$42.34 | \$53.05 | 6.2500 | 6 | 6 | \$318.31 | \$318.31 | |
| Maintenance and inspection safety switch, 3 pole | 1 | 1.00 Ea. | \$42.34 | \$53.05 | 50.0000 | 50 | 50 | \$2,652.56 | \$2,652.56 | |
| Replace safety switch, 240 V, 3 pole | 25 | 1.00 Ea. | \$537.66 | \$648.64 | 2.0000 | 2 | 2 | \$1,297.28 | \$1,297.28 | |
| Replace metal halide ballast, 175 W | 10 | 1.00 Ea. | \$166.89 | \$199.76 | 5.0000 | 5 | 3 | \$998.82 | \$599.29 | |
| Replace metal halide fixture lamp, 175 W | 5 | 1.00 Ea. | \$57.10 | \$69.49 | 10.0000 | 10 | 10 | \$694.92 | \$694.92 | |
| Replace metal halide fixture, 175 W | 20 | 1.00 Ea. | \$738.73 | \$870.86 | 2.5000 | 2 | 2 | \$1,741.72 | \$1,741.72 | |
| Minor repairs to fire alarm control panel | 5 | 1.00 Ea. | \$149.42 | \$182.60 | 10.0000 | 10 | 10 | \$1,825.95 | \$1,825.95 | |
| Maintenance and inspection fire alarm control panel | 0.5 | 1.00 Ea. | \$45.50 | \$57.01 | 100.0000 | 100 | 100 | \$5,701.02 | \$5,701.02 | |
| Replace fire alarm control panel | 15 | 1.00 Ea. | \$2,196.12 | \$2,675.47 | 3.3333 | 3 | 3 | \$8,026.42 | \$8,026.42 | |
| Maintenance and repair of general wiring lightning protection system | 1 | 1.00 M.L.F. | \$109.50 | \$134.89 | 50.0000 | 50 | 50 | \$6,744.34 | \$6,744.34 | |
| Maintenance and repair lightning ground rod | 1 | 1.00 Ea. | \$92.28 | \$115.32 | 50.0000 | 50 | 48 | \$5,766.08 | \$5,535.43 | |
| Replace lightning ground rod | 25 | 1.00 Ea. | \$245.60 | \$303.67 | 2.0000 | 2 | 2 | \$607.34 | \$607.34 | |
| Maintenance and repair special ground system | 4 | 1.00 Ea. | \$22.69 | \$28.43 | 12.5000 | 12 | 12 | \$341.11 | \$341.11 | |
| | | | \$41,537.11 | \$48,433.98 | | | | MR Subtotal | \$215,161.66 | |
| | | | | | | | | | MR Per Year | \$4,303.23 |
| | | | | | | | | | PM Total | \$20,659.81 |
| | | | | | | | | | Subtotal | \$24,963.04 |
| | | | | | | | | | Total Per Unit | \$17.78 |

FAC 1262 POL PUMP STATION

Release 2023 Qtr 4

Zip Code Prefix 222

Type PM

UM GM

Design Life 50

Average Size 1403.605824

SUC \$17.78

| Description | Qty | Labor Hours | Bare Mat | Bare Labor | Bare Equip | Bare Total | Total In-House | Total Incl OP |
|---|------|-------------|----------|-------------|------------|-------------|----------------|---------------|
| Valve, auto diaphragm, above 4", annualized | 4.00 | 0.70 | \$16.56 | \$37.50 | \$0.00 | \$54.05 | \$66.96 | \$80.69 |
| Deaerator tank, annualized | 4.00 | 6.02 | \$101.20 | \$383.68 | \$0.00 | \$484.88 | \$610.10 | \$740.39 |
| Fire pump, electric motor driven, annualized | 4.00 | 191.01 | \$149.78 | \$11,946.40 | \$0.00 | \$12,096.18 | \$15,695.07 | \$19,301.46 |
| Switchboard, annualized | 1.00 | 0.70 | \$3.98 | \$48.97 | \$0.00 | \$52.95 | \$68.04 | \$83.33 |
| Circuit breaker, high voltage oil, annualized | 4.00 | 3.42 | \$59.63 | \$237.13 | \$0.00 | \$296.76 | \$373.86 | \$453.94 |
| | | | | | | \$12,984.82 | \$16,814.03 | \$20,659.81 |

FAC 1262 POL PUMP STATION
Modeled Component List
CostWorks Release 2023 Qtr 4

D20 Plumbing

| | |
|-----------------------|---------|
| Valve, Non-Drain, 10" | 2.0 Ea. |
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D40 Fire Protection

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| Sprinkler System, Fire Supression, sprinkler head | 4.0 Ea. |
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|---------------------------------|----------|
| Fire Pump, Electric, annualized | 4.0 Each |
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D50 Electrical

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|---------------------------|---------|
| Switchgear, Indoor, 600 V | 1.0 Ea. |
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| Motor Starter, 600 V | 1.0 Ea. |
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| Load Center, 100 A, maintenance & inspection | 1.0 Ea. |
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| Circuit Breaker, enclosed, 600 V, 3 pole | 1.0 Ea. |
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| Safety Switch, General Duty, 240 V, 3 pole | 1.0 Ea. |
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| Metal Halide Fixture | 1.0 Ea. |
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| Fire Alarm Control Panel | 1.0 Ea. |
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| Lightning Ground Rod | 1.0 Ea. |
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FAC 1262 POL PUMP STATION
Sustainment by Year
CostWorks Release 2023 Qtr 4

