

## **FAC 1261 Liquid Fuel Loading/Unloading Facility**

FY25 SUC: \$7,912.23 / OL

Source: Inflated from previous FY using ENR labor and material cost indices to measure actual inflation

Original Source: 2018 DLA Energy Study Hybrid with CostWorks Components

## FAC 1261 LIQUID FUEL LOADING / UNLOADING FACILITY

DLA 2018 Study of Fuel Facilities; calculation below.

RMMR = Recurring Maintenance and Minor Repair program.

<b>Design Life</b>	<b>30</b>	<b>Years</b>			
<b>Representative Size</b>	<b>3</b>	<b>OL</b>			
<b>Component</b>	<b>Frequency</b>	<b>Estimated Cost per Occurrence</b>	<b>Occurrences in Design Life</b>	<b>Occurrences Rounded</b>	<b>Design Life Cost</b>
<b>RS Means Cost Works</b>					
Clean separator strainer	10	\$2,613.66	3.0	3.0	\$7,840.98
Maintenance and repair motor starter, up to 600 V	5	\$720.54	6.0	6.0	\$4,323.24
Maintenance and repair breaker, molded case, 480 V, 3 pole	20	\$245.76	1.5	1.0	\$245.76
Maintenance and inspection circuit breaker, molded case, 480 V, 3 pole	1	\$110.58	60.0	60.0	\$6,634.80
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	\$138.24	3.8	3.0	\$414.72
Maintenance and repair electrical service ground	25	\$103.36	1.2	1.0	\$103.36
Maintenance and repair of general wiring lightning protection system	1	\$111.47	30.0	30.0	\$3,344.10
Replace lightning ground rod	25	\$793.35	1.2	1.0	\$793.35
Maintenance and repair special ground system	4	\$73.74	7.5	7.0	\$516.18
Replace 400W H.P.S. pole-mounted fixture w/ lamp and ballast	20	\$6,200.12	1.5	1.0	\$6,200.12
<b>Costs Captured Through DLA Study</b>					
Pipeline Repairs	20	\$84,426.80	1.5	1.0	\$84,426.80
Valve Repairs	20	\$39,117.87	1.5	1.0	\$39,117.87
Truck Stand Repairs	20	\$177,362.09	1.5	1.0	\$177,362.09
Pre-Post Costs	20	\$11,556.39	1.5	1.0	\$11,556.39
<b>Additional Costs</b>					
Planning Studies I & II	1	\$701.73	30.0	30.0	\$21,051.90
SIOH	1	\$421.46	30.0	30.0	\$12,643.80
RMMR	1	\$2,817.00	30.0	30.0	\$84,510.00
Operator Maintenance	1	\$2,498.15	30.0	30.0	\$74,944.50
<b>Total</b>					\$536,029.96
<b>Annual SUC Per UM</b>					\$5,955.89