

FAC 8112 STAND-BY-EMERGENCY POWER

FY24 SUC:	\$26.34 / KW
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 8112 STAND-BY-EMERGENCY POWER

Release 2023 Qtr 4

Zip Code Prefix 222

Type MR

UM KW

Design Life 45

Average Size 305.68311

SUC \$26.34

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	
Maintenance and inspection generator, gasoline, 175 KW	0.08	1.00 Ea.	\$68.26	\$85.52	562.5000	562	562	\$48,059.58	\$48,059.58	
Replace generator component gasoline, 175 KW	25	1.00 Ea.	\$86,568.24	\$99,366.91	1.8000	1	1	\$99,366.91	\$99,366.91	
Replace battery charger	20	1.00 Ea.	\$1,063.17	\$1,230.16	2.2500	2	2	\$2,460.33	\$2,460.33	
Maintenance and inspection transfer switch	0.5	1.00 Ea.	\$42.34	\$53.05	90.0000	90	90	\$4,774.60	\$4,774.60	
Maintenance and repair electrical service ground	25	0.65 M.L.F.	\$59.98	\$74.96	1.8000	1	1	\$74.96	\$74.96	
Repair switchboard meter	10	1.00 Ea.	\$1,218.62	\$1,434.12	4.5000	4	4	\$5,736.50	\$5,736.50	
Replace safety switch, heavy duty 100 A	25	1.00 Ea.	\$1,436.33	\$1,691.69	1.8000	1	1	\$1,691.69	\$1,691.69	
			\$90,456.95	\$103,936.41				MR Subtotal	\$162,164.56	
									MR Per Year	\$3,603.66
									PM Total	\$4,448.67
									Subtotal	\$8,052.33
									Total Per Unit	\$26.34

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Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Battery system and charger, annualized	1.00	8.73	\$18.41	\$551.58	\$0.00	\$569.99	\$737.31	\$905.55
Emergency diesel or gas generator, over 15 KVA, annualized	2.00	32.30	\$166.13	\$2,041.38	\$0.00	\$2,207.51	\$2,836.54	\$3,473.87
Circuit breaker, high voltage air, annualized	1.00	0.47	\$13.83	\$32.48	\$0.00	\$46.31	\$57.43	\$69.25
						\$2,823.81	\$3,631.28	\$4,448.67

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Modeled Component List

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D50 Electrical

Generator, Gasoline, 175 KW	1.0 Ea.
Battery Charger	1.0 Ea.
Safety Switch, Heavy Duty 100 A	1.0 Ea.

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Sustainment by Year
CostWorks Release 2023 Qtr 4

