

FAC 8112 STAND-BY-EMERGENCY POWER

FY22 SUC: \$22.38 / KW

Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 8112 STAND-BY-EMERGENCY POWER

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM KW
Design Life 45
Average Size 353.0

SUC \$22.38

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.	\$64.78	\$81.16	562.5000	562	562	\$45,609.73	\$45,609.73	
Replace generator component gasoline, 175 KW	25	1.00 Ea.	\$90,918.17	\$104,263.04	1.8000	1	1	\$104,263.04	\$104,263.04	
Replace battery charger	20	1.00 Ea.	\$1,075.03	\$1,242.49	2.2500	2	2	\$2,484.97	\$2,484.97	
Maintenance and inspection transfer switch	0.5	1.00 Ea.	\$40.64	\$50.92	90.0000	90	90	\$4,582.93	\$4,582.93	
Maintenance and repair electrical service ground	25	0.65 M.L.F.	\$57.13	\$71.36	1.8000	1	1	\$71.36	\$71.36	
Repair switchboard meter	10	1.00 Ea.	\$1,568.90	\$1,830.18	4.5000	4	4	\$7,320.73	\$7,320.73	
Replace safety switch, heavy duty 100 A	25	2.00 Ea.	\$2,317.86	\$2,746.86	1.8000	1	1	\$2,746.86	\$2,746.86	
			\$96,042.51	\$110,286.02				MR Subtotal	\$167,079.63	
									MR Per Year	\$3,712.88
									PM Total	\$4,187.62
									Subtotal	\$7,900.50
									Total Per Unit	\$22.38

FAC 8112 STAND-BY-EMERGENCY POWER

SUC \$22.38

Release 2021 Qtr 3

UM KW

Zip Code Prefix 222

Design Life 45

Type PM

Average Size 353.0

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	\$19.95	\$518.00	\$0.00	\$537.95	\$695.34	\$853.74
Emergency diesel or gas generator, over 15 KVA, annualized	2.00	32.30	\$172.18	\$1,906.24	\$0.00	\$2,078.42	\$2,667.51	\$3,265.21
Circuit breaker, high voltage air, annualized	1.00	0.47	\$15.16	\$31.08	\$0.00	\$46.24	\$57.08	\$68.67
						\$2,662.60	\$3,419.93	\$4,187.62

FAC 8112 STAND-BY-EMERGENCY POWER

Modeled Component List

CostWorks Release 2021 Qtr 3

D50 Electrical

Generator, Gasoline, 175 KW	1.0 Ea.
Battery Charger	1.0 Ea.
Safety Switch, Heavy Duty 100 A	2.0 Ea.

FAC 8112 STAND-BY-EMERGENCY POWER
Sustainment by Year
CostWorks Release 2021 Qtr 3

