

FAC 8115 Electrical Power Source, PhotoVoltaic

FY25 SUC: \$28.50 / KW
Source: Calculated using R.S. Means CostWorks 2024 Qtr 3 component prices

FAC 8115 Electrical Power Source, PhotoVoltaic

ACI 8115 Electrical Power Source, PhotoVoltaic			FY25 SUC: \$28.50						
Release: 2024 Qtr 3			UM: KW						
Zip Code Prefix: 222			Expected Service Life: 33		Adjusted Occurrences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.				
Type: MR			Model Size: 556						
Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Service Life/Frequency	Occurrences	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace solar panel 3' x 8'	15	14.00 Ea.	\$19,910.17	\$23,268.44	2.2000	2	2	\$46,536.87	\$46,536.87
Repair 500 kva transformer, primary, liquid filled	10	1.00 Ea.	\$3,062.11	\$3,520.43	3.3000	3	3	\$10,561.29	\$10,561.29
Maintenance and inspection primary transformer, dry	0.5	1.00 Ea.	\$43.82	\$54.97	66.0000	66	66	\$3,627.84	\$3,627.84
Repair switchgear 1200 A mainframe	5	2.00 Ea.	\$4,137.36	\$4,840.15	6.6000	6	5	\$29,040.90	\$24,200.75
Maintenance and inspection switchgear, mainframe	1	2.00 Ea.	\$139.97	\$175.59	33.0000	33	33	\$5,794.46	\$5,794.46
Replace switchgear 1200 A mainframe	20	2.00 Ea.	\$9,016.12	\$10,863.30	1.6500	1	1	\$10,863.30	\$10,863.30
Repair switchboard meter	10	4.00 Ea.	\$5,287.56	\$6,215.64	3.3000	3	3	\$18,646.92	\$18,646.92
Replace switchboard meter	20	4.00 Ea.	\$18,409.72	\$21,006.98	1.6500	1	1	\$21,006.98	\$21,006.98
Maintenance and repair rectifier, up to 600 V	2	1.00 Ea.	\$744.52	\$887.31	16.5000	16	15	\$14,196.98	\$13,309.67
Maintenance and inspection rectifier, up to 600 V	0.33	1.00 Ea.	\$139.97	\$175.59	100.0000	100	100	\$17,558.98	\$17,558.98
Replace rectifier, up to 600 V	20	1.00 Ea.	\$1,391.36	\$1,602.81	1.6500	1	1	\$1,602.81	\$1,602.81
Maintenance and repair of general wiring lightning protection system	1	0.35 M.L.F.	\$38.96	\$48.08	33.0000	33	33	\$1,586.50	\$1,586.50
Maintenance and repair lightning ground rod	1	4.00 Ea.	\$381.84	\$477.33	33.0000	33	33	\$15,751.94	\$15,751.94
Maintenance and repair transfer switch	5	2.00 Ea.	\$774.52	\$935.06	6.6000	6	6	\$5,610.35	\$5,610.35
Replace voice/data outlet	20	4.00 Ea.	\$113.27	\$137.94	1.6500	1	1	\$137.94	\$137.94
Maintenance and inspection patch panel	0.5	1.00 Ea.	\$92.50	\$116.04	66.0000	66	66	\$7,658.77	\$7,658.77
Replace patch panel	15	4.00 Ea.	\$3,788.72	\$4,553.23	2.2000	2	2	\$9,106.45	\$9,106.45
Repair cable splice overhead service	12	1.20 M.L.F.	\$710.18	\$887.65	2.7500	2	2	\$1,775.29	\$1,775.29
Cable inspection overhead service, splice	5	1.20 M.L.F.	\$60.11	\$75.41	6.6000	6	6	\$452.45	\$452.45
			\$68,242.78	\$79,841.95					
								MR Subtotal:	\$215,789.56
								MR Per Year:	\$6,539.08
								PM Total:	\$9,306.07
								Subtotal:	\$15,845.15
								Total Per Unit:	\$28.50

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FY25 SUC: \$28.50

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Expected Service Life: 33

Model Size: 556

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Controls, central system, electro/pneumatic, annualized	4	7.68	\$719.07	\$490.68	\$0.0000	1,209.75	1,428.86	1,683.93
Switchboard, with air circuit breaker, annualized	4	53.27	\$76.45	\$3,804.72	\$0.0000	3,881.17	5,030.23	6,183.11
Circuit breaker, high voltage air, annualized	4	1.88	\$66.07	\$133.46	\$0.0000	199.53	246.18	296.13
Circuit breaker, high voltage oil, annualized	2	1.71	\$38.02	\$122.51	\$0.0000	160.53	201.09	243.54
Switch, interrupt, high voltage, fused air, annualized	8	2.91	\$132.14	\$207.17	\$0.0000	339.30	414.67	496.64
Transformer, oil pad mounted, annually	2	2.16	\$1.90	\$154.38	\$0.0000	156.28	202.78	249.38
Power stabilizer, annualized	2	1.25	\$21.96	\$78.68	\$0.0000	100.64	126.44	153.34
						\$6,047.20	\$7,650.25	\$9,306.07