

## Appendix B. System Component Cause Code (Photovoltaic)

The following tables list available components for each system and the code to enter for each component for Photovoltaic Generation System:

System	Component	Entry
<b>Balance Plant</b>	General	674
	Battery Systems	1042
	Breakers	1037
	CT / PT	1041
	Fuses	1044
	Main Substation Transformer	1038
	Metering and Relays	655
	Overhead Lines	652
	Preventative Maintenance	682
	SCADA	656
	Site Communication	1043
	Site Reactive Power Comp	654
	Substation	653
	Switches	1039
	Transmission (Gen Tie)	1077
	Underground	650
	Wave Trap	1040
Wind Park Control System	657	
	General	672
	Cabinet Cooling/Heating	648
	Cold Weather Control	647
	Control Cabinet Filtration	1048
	Control Com Links Top and Bottom	644
	Control Slip Rings	1049
	Hardware	1046

<b>Control System</b>	Low Voltage Control Wiring	638
	Power Supply	1047
	Processor	645
	Processor Cooling	646
	Reactive Power Control	640
	Sensors	642
	Software	643
	Voltage Regulation	639
	Wind Vane and Anemometer	649
<b>Electrical</b>	General	670
	Circuit Breakers and Switches	661
	Converter Cooling	1052
	Current Transformers	1050
	Individual Turbine Transformers	662
	Power Compensation-WTG	660
	Power Converters	658
	Power Supply	1053
	Power Transformers	1051
	Transmission Cables	659
	General (OMC)	681
	Catastrophe (OMC)	1034
	Economic (OMC)	1035
	External Communication (OMC)	1057
	Legal, Contractual or Environmental (OMC)	1079
	Off-Taker Transmission & Distribution (OMC)	675
	Weather – Ice (OMC)	1036
	Weather – Lightning (OMC)	678

	Weather – Temperature (OMC)	676
	Weather – Turbulence (OMC)	1076
<b>Gear Box</b>	General	669
	Gear Box	608
	Gear Box Heating/Cooling	609
	Gear Box Oil System	610
	Gearbox Filtration	611
	Torque Arm System	612
<b>Generator / Exciter</b>	General	668
	Exciter	634
	Generator	631
	Generator Bearings	632
	Generator Cooling Systems	636
	Generator Lube Oil Systems	633
	Generator Shaft	635
	Wiring to Gen Terminals	637
	RCC (Rotor Current Control)	641
	High Speed Coupling	1058
	Power Slip Rings	1059
<b>Human Performance</b>	General	1071
	Contractor	1074
	Maintenance	1073
	Operator	1072
	Procedure Error	1075
	General	667
	Common Pump and Motor	627
	Filtering System	629
	Hoses, Reservoirs, Valves	630

<b>Hydraulic System</b>	Hydraulic Accumulator	628
	Hydraulic Slip Ring	1060