

# TECHNICAL ANNEX

## RECOMMENDATIONS – SAMPLE

The following information outlines arc flash and equipment recommendation as a result of the arc flash analysis.

ARC FLASH MITIGATION RECOMMENDATIONS					
<b>Note:</b> Load monitoring and other system considerations should be considered before protection device changes are made. EPSCO, Inc does not hold liability for results for changes made via recommendations.					
Device:	(800P) MAIN-PAINT PLANT	Existing:	68 cal/cm <sup>2</sup>	Recommended:	<8 cal/cm <sup>2</sup>
Recommendation:	Must install upstream protective device to lower incident energy.				
Device:	(801P)MAIN SERVICE PAINT	Existing:	68 cal/cm <sup>2</sup>	Recommended:	<8 cal/cm <sup>2</sup>
Recommendation:	Unable to lower due to nuisance tripping with downstream device.				
Device:	(819P)PANEL-DS-1	Existing:	37 cal/cm <sup>2</sup>	Recommended:	<8 cal/cm <sup>2</sup>
Recommendation:	Recommend installing integral trip unit with LTPU, LTD, STPU, STD, INST.				
Device:	(802P)PANEL-DS3	Existing:	19 cal/cm <sup>2</sup>	Recommended:	1.6cal/cm <sup>2</sup>
Recommendation:	By lowering the feeder fuse from 600amp to 400amps, it will lower the incident energy level from 19 to 1.6 cal/cm <sup>2</sup> .				
Device:	BUS BAR-7 BUS PLUGS	Existing:	27 cal/cm <sup>2</sup>	Recommended:	<1.2cal/cm <sup>2</sup>
Recommendation:	By lowering the INST setting on the feeder breaker from 4 to 3 it will lower the incident energy from 27 cal/cm <sup>2</sup> to 0.41.				
Device:		Existing:		Recommended:	
Recommendation:					
Device:		Existing:		Recommended:	
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