

OSHA Electrical Arc Flash Assessment and Remediation**FY2017 Request:****\$1,800,000****Reference No:****60971****AP/AL:** Appropriation**Project Type:** Life / Health / Safety**Category:** Public Protection**Location:** Statewide**House District:** Statewide (HD 1-40)**Impact House District:** Statewide (HD 1-40)**Contact:** L. Diane Casto**Estimated Project Dates:** 07/01/2016 - 06/30/2021**Contact Phone:** (907)465-3960**Brief Summary and Statement of Need:**

Department of Corrections' facilities require electrical component assessments and potential upgrades and remediation to comply with code requirements and improve worker safety.

Occupational Safety and Health Administration (OSHA) electrical changes were issued in regard to transmission line electrical requirements. There is code compliance issues related to the work covered under National Fire Protection Association (NFPA) 70E Electrical Work Practices.

Funding:	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	Total
1004 Gen Fund	\$1,800,000						\$1,800,000
Total:	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$1,800,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Prior Funding History / Additional Information:

No prior funding history.

Project Description/Justification:

This project provides for component assessment, panel voltage ratings, electrical safety Personal Protective Equipment (PPE) rating, training and repairs. Many of the electrical systems are 40 plus years old and require preventative maintenance and parts replacement as some components are no longer manufactured. PPE will be rated per the heat and hazard calculations performed during the arc flash analysis. Safety boundaries and other work practices will also be provided for operations and maintenance.

To date, facilities have been required to label the panels with electrical hazard symbols and acquire Personal Protective Equipment (PPE) for those employees working on them. Should there be an incident the PPE should protect the worker but may not provide the required protection level. The clothing is also rated in accordance with the energy hazard in the panel and may need reevaluated with the final determination from the analysis.