

**Reapprop to the Department of Corrections for OSHA  
Electrical Arc Flash Assessment and Remediation - NTE  
\$1,800,000**

**FY2017 Request: \$0  
Reference No: 60971**

**AP/AL:** Appropriation **Project Type:** Life / Health / Safety  
**Category:** Public Protection **House District:** Statewide (HD 1-40)  
**Location:** Statewide **Contact:** L. Diane Casto  
**Impact House District:** Statewide (HD 1-40) **Contact Phone:** (907)465-3960  
**Estimated Project Dates:** 06/30/2016 - 06/30/2020

**Brief Summary and Statement of Need:**

The unexpended and unobligated balance, not to exceed \$1,800,000, of the appropriation made in sec. 1. ch. 17, SLA 2012, page 109, lines 13-15 (Department of Corrections, Goose Creek Correctional Center start-up furniture and equipment - \$5,000,000) is reappropriated to the Department of Corrections for electrical arc flash assessment and remediation required by the Occupational Safety and Health Administration.

<b>Funding:</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Total</b>
1004 Gen Fund							\$0
<b>Total:</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<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	0
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

No prior funding history.

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.

**Project Description/Justification:**

The unexpended and unobligated balance, not to exceed \$1,800,000, of the appropriation made in sec. 1, ch. 17, SLA 2012, page 109, lines 13-15 (Department of Corrections, Goose Creek Correctional Center start-up furniture and equipment - \$5,000,000) is reappropriated to the Department of Corrections for electrical arc flash assessment and remediation required by the Occupational Safety and Health Administration.

**Reapprop to the Department of Corrections for OSHA  
Electrical Arc Flash Assessment and Remediation - NTE  
\$1,800,000**

**FY2017 Request:  
Reference No:**

**\$0  
60971**

---

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.