

## Capital Improvement Plan: FY2021-2025

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**Project Title:** Substation Capacitor Bank Relay Upgrades

**Department/Division:** Beaches Energy Services / Substation Distribution

**Project Description and Reason Necessary:**

The relays associated with the protection and control of our substation capacitor banks have passed their expected life span of 20 years. Parts are obsolete and service is nonexistent, this project will replace six (6) protective relays and control equipment (two each at Butler, Jacksonville Beach, and Ft. Diego Substations). Engineering for Jacksonville Beach sub and Ft. Diego sub has already been completed. Upgrading and replacement is necessary to continue reliable control of our capacitor banks for proper system power factor control.

FY 2021 – Butler, Jacksonville Beach, and Ft. Diego Substations

**Funding Source:** Beaches Energy Services Operating Revenues

Cost Item	FY2021	FY2022	FY2023	FY2024	FY2025	TOTAL
Butler Substation: Engineering	\$10,000					\$10,000
Butler Substation: Construction	\$30,000					\$30,000
Jacksonville Beach Substation: Construction	\$30,000					\$30,000
Ft. Diego Substation: Construction	\$30,000					\$30,000
<b>TOTAL</b>	<b>\$100,000</b>					<b>\$100,000</b>