CAPITAL IMPROVEMENTS PROGRAM

PROJECT TITLE: LED Street Lighting ED-7

PROJECT TYPE: Infrastructure Improvement

DEPARTMENT: Electric Distribution

DESCRIPTION:
Replace HPS lighting with LED lighting in following areas: 2016 - Highway 166/169 4th & Northeast to Lewark & 8th St. from Northeast to Lewark; 2017 - Highway 169 from 11th St. to Osage and replace approximately 200 additional lights throughout the City; 2018 - 2019 Replace 650 additional lights throughout the City.

JUSTIFICATION:
The advantage of Light Emitting Diode (LED) lighting over High Pressure Sodium (HPS) is the 50% reduction in the cost of electricity as well reducing maintenance costs by 70%. It also produces white light and contains no hazardous materials.

Projected Five-Year Cost Schedule

Breakdown	Prior	2015	2016	2017	2018	2019	Beyond	Total
Materials			$130,000	$150,000	$130,000	$130,000	$130,000	$670,000
Construction			$20,000					$20,000
Total			$150,000	$150,000	$130,000	$130,000	$130,000	$690,000
OP Expense	$0	$0	$0	$0	$0	$0	$0	$0
Cost Savings	$0	$0	$0	$0	$0	$0	$0	$0

Projected Five-Year Funding Schedule

Source	Prior	2015	2016	2017	2018	2019	Beyond	Total
CMLP D/R Fund			$150,000	$150,000	$130,000	$130,000	$130,000	$690,000
Total			$150,000	$150,000	$130,000	$130,000	$130,000	$690,000