

Electric Light

The 2010-2014 Capital Improvements Program for the Light and Power Division of Public Works focuses on upgrading and enhancing the reliability of the City's electric distribution system.

Projects include construction of an underground distribution tie to the City Hall circuit from 6th Street to 7th Street along Dakota Avenue, construction of a new downtown circuit from the Elm Substation to tie into the existing distribution system in the Uptown development area, construction of a new Minnesota Avenue distribution circuit, and the conversion of a portion of the 18th Street and Summit Avenue circuit from overhead to underground construction. The replacement of aging transformers and underground conductors, adding new streetlights in new and existing neighborhoods, and making improvements to several circuits throughout the system. Many of the projects in the program were developed as a result of a ten-year master plan that was completed in 2004.

City of Sioux Falls
 2010-2014 Capital Program

10/07/09 CAPITAL IMPROVEMENT PROGRAM 2010 - 2014

CITY PROJECT NUMBER: 002056

DEPARTMENT: 56- ELECTRIC LIGHT
 DEPARTMENT PROJECT PRIORITY: 1

PROJECT DESCRIPTION:

STREET LIGHTING IN NEWLY DEVELOPED AND ANNEXED AREAS, AND STREET INSTALLATIONS.
 CITY'S SHARE OF SDDOT LIGHTING PROJECTS

TOTAL 5 YEAR PROJECT COST: \$2,200,000

PROJECT TITLE: STREET LIGHTING IN NEWLY DEVELOPED AND ANNEXED AREAS

PROJECT JUSTIFICATION AND RELATIONSHIP TO OTHER PROJECTS:

This project is needed to install roadway and intersection lighting for vehicle and pedestrian traffic.

CONFORM TO COMPREHENSIVE PLAN: Not Included in the Plan

STATUS OF PLANS: Final Plans in Preparation/Completed

CONFORMANCE TO AMERICAN DISABILITIES ACT: Y

PROJECT CATEGORY: Lighting

ESTIMATED IMPACT ON THE ANNUAL OPERATING BUDGET:

\$30,000 YEAR

 PROGRAMMED EXPENDITURES:

YEAR:	2010	2011	2012	2013	2014
ST SALES TAX B LIGHT INSTALLATION 253-1456-430.35-61	350,000	350,000	350,000	350,000	350,000
ST SALES TAX Q LIGHT SUPPLIES 253-1456-430.35-61	10,000	110,000	110,000	110,000	110,000

City of Sioux Falls
 2010-2014 Capital Program

10/07/09 CAPITAL IMPROVEMENT PROGRAM 2010 - 2014

CITY PROJECT NUMBER: 068056

DEPARTMENT: 56- ELECTRIC LIGHT
 DEPARTMENT PROJECT PRIORITY: 2

PROJECT DESCRIPTION:

UNFORSEEN REPLACEMENT OF UG PRIMARY FEED LINES, EQUIPMENT, AND NEW ELECTRIC SERVICES

TOTAL 5 YEAR PROJECT COST: \$800,000

PROJECT TITLE: UNFORSEEN ELECTRICAL SYSTEM REPLACEMENT

PROJECT JUSTIFICATION AND RELATIONSHIP TO OTHER PROJECTS:

This project will replace 30 year old underground primary wire before failures and lessen the chance for possible future outages on the system.

CONFORM TO COMPREHENSIVE PLAN: In Conformance with the Plan

STATUS OF PLANS: Nothing Done Except This Report

CONFORMANCE TO AMERICAN DISABILITIES ACT: Y

PROJECT CATEGORY: Power Line and Transformers

ESTIMATED IMPACT ON THE ANNUAL OPERATING BUDGET:

NO EFFECT

 PROGRAMMED EXPENDITURES:

YEAR:	2010	2011	2012	2013	2014
UF USER FEES B LIGHT INSTALLATION 656-5602-480.35-61	20,000	20,000	20,000	20,000	20,000
UF USER FEES Q LIGHT SUPPLIES 656-5602-480.35-61	140,000	140,000	140,000	140,000	140,000

City of Sioux Falls
 2010-2014 Capital Program

10/07/09 CAPITAL IMPROVEMENT PROGRAM 2010 - 2014

CITY PROJECT NUMBER: 061056

DEPARTMENT: 56- ELECTRIC LIGHT
 DEPARTMENT PROJECT PRIORITY: 3

PROJECT DESCRIPTION:

CONSTRUCT NEW AND PERFORM IMPROVEMENTS TO CIRCUITS: #2, #3, #4, #11, AND #12

TOTAL 5 YEAR PROJECT COST: \$2,445,000

PROJECT TITLE: CIRCUIT IMPROVEMENTS

PROJECT JUSTIFICATION AND RELATIONSHIP TO OTHER PROJECTS:

Circuit improvements were identified in 2004 Electric Light Master Plan to be constructed to improve reliability and switching ability.

CONFORM TO COMPREHENSIVE PLAN: In Conformance with the Plan

STATUS OF PLANS: Nothing Done Except This Report

CONFORMANCE TO AMERICAN DISABILITIES ACT: Y

PROJECT CATEGORY: Lighting

ESTIMATED IMPACT ON THE ANNUAL OPERATING BUDGET:

\$1,000 PER YEAR

 PROGRAMMED EXPENDITURES:

YEAR:	2010	2011	2012	2013	2014
UF USER FEES A ENGINEERING 656-5602-480.35-21	85,000	38,000	57,000	50,000	50,000
UF USER FEES B LIGHT INSTALLATION 656-5602-480.35-61	70,000	290,000	130,000	200,000	
UF USER FEES Q LIGHT SUPPLIES 656-5602-480.35-61	75,000	280,000	130,000	190,000	800,000

City of Sioux Falls
 2010-2014 Capital Program

10/07/09 CAPITAL IMPROVEMENT PROGRAM 2010 - 2014

CITY PROJECT NUMBER: 059056

DEPARTMENT: 56- ELECTRIC LIGHT
 DEPARTMENT PROJECT PRIORITY: 4

PROJECT DESCRIPTION:

UPGRADE CIRCUIT #2 UG PRIMARY LINE NEAR 11TH/PHILLIPS AREA; DESIGN (10),
 CONSTRUCT (11)

TOTAL 5 YEAR PROJECT COST: \$58,000

PROJECT TITLE: DOWNTOWN HIGH VOLTAGE POWER LINES

PROJECT JUSTIFICATION AND RELATIONSHIP TO OTHER PROJECTS:

This project is needed to remove existing overhead primary lines and install them underground and upgrade existing underground lines with larger conductor to handle existing and future load growth as recommended in the 2004 Electric Light Division Master Plan.

CONFORM TO COMPREHENSIVE PLAN: Generally Conforms with the Plan

STATUS OF PLANS: Nothing Done Except This Report

CONFORMANCE TO AMERICAN DISABILITIES ACT: Y

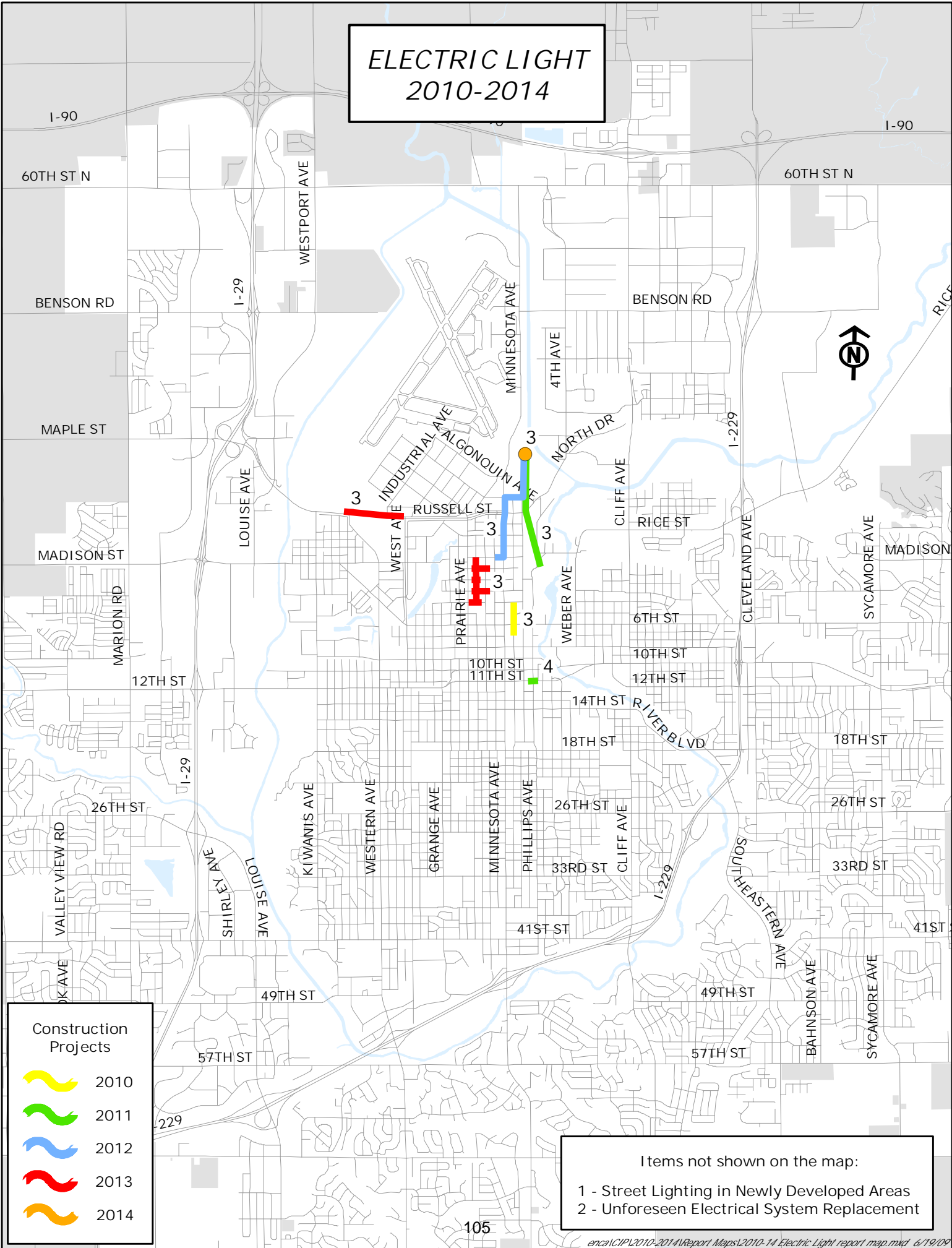
PROJECT CATEGORY: Lighting

ESTIMATED IMPACT ON THE ANNUAL OPERATING BUDGET:
 \$200 PER YEAR






PROGRAMMED EXPENDITURES:

YEAR:	2010	2011	2012	2013	2014
UF USER FEES	8,000				
A ENGINEERING					
656-5602-480.35-21					
UF USER FEES		25,000			
B LIGHT INSTALLATION					
656-5602-480.35-61					
UF USER FEES		25,000			
Q LIGHT SUPPLIES					
656-5602-480.35-61					

ELECTRIC LIGHT 2010-2014



Construction Projects

-  2010
-  2011
-  2012
-  2013
-  2014

Items not shown on the map:

- 1 - Street Lighting in Newly Developed Areas
- 2 - Unforeseen Electrical System Replacement

OCEP Detail by Department

Electric Light

Asset #	Vehicle #	Description	2010	2011	2012	2013	2014	
2645	New Item	Antique Wire Trailer	\$ -	\$ 3,750	\$ -	\$ -	\$ -	656-5601-480-3401
			-	3,750				656-5602-480-3401
2646	561203	Army Pole Trailer	-	-	5,000	-	-	656-5601-480-3401
			-	-	5,000	-	-	656-5602-480-3401
2091960		Boilers	-	-	-	-	24,249	656-5601-480-3401
			-	-	-	-	24,250	656-5602-480-3401
2224	New Item	Electrical Meter AMR	10,000	-	-	-	-	656-5602-480-3401
2225	New Item	Electrical Meter AMR	-	10,000	-	-	-	656-5602-480-3401
2226	New Item	Electrical Meter AMR	-	-	10,000	-	-	656-5602-480-3401
2434	New Item	Electrical Meter AMR	-	-	-	10,000	-	656-5602-480-3401
2644	New Item	Electrical Meter AMR	-	-	-	-	10,000	656-5602-480-3401
3008814		SCADA System	-	-	-	15,186	-	656-5602-480-3401
Electric Light Total			\$ 10,000	\$ 17,500	\$ 20,000	\$ 25,186	\$ 58,499	