Capital Improvement Program

FY 2014/15 – 2019/20

Lincoln Electric System

CITY OF LINCOLN NEBRASKA

Lincoln Electric System

0679 G:Service Center

Description:

Build an additional service facility at a location that more corresponds with the growth pattern of the city. We plan to construct an 80,000 square feet building at the new location to house the construction crews related to new distribution facilities.
Once built, transfer many of the existing staff at the Walter A. Canney Service Center to the new location and transfer almost all of the downtown activities to either this location or to the WAC Service Center. Identify the placement of a location in the downtown area that would accept customer payments and provide short-term office space for LES personnel that would have business in the area (meetings with the City or with state government). This would provide LES with opportunities to better meet the needs of our customers by decreasing drive time to work sites, decreasing response times for outages, and providing better security for our control center functions.

Group:	(None)
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2016
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$25,190.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$12,021.00	$13,169.00	$0.00	$0.00	$0.00	$0.00	$25,190.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Other	X	X				

0697 G:Backup Control Center Improvements

Description:

This project will improve the existing facilities at the LES data center to provide a backup control center. The existing backup control center is in space that can be better utilized, and the new space will provide enhanced capabilities. In addition, the new backup control center will help LES to continue to meet regulatory compliance requirements.

Group:	(None)
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	C
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$728.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$728.00	$0.00	$0.00	$0.00	$0.00	$0.00	$728.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Other	X					

0117 T:Misc. Construction/Rebuild

Description:

Smaller, miscellaneous 115,000 volt and 345,000 volt transmission construction and rebuild projects that are of a repetitive nature and occur annually. These projects can be related to new construction, upgrades or rebuilds.

Group:	Transmission
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,104.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$71.00	$626.00	$626.00	$628.00	$75.00	$78.00	$2,104.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0213 T:Relocations

Description:

Relocation of existing 115,000 volt and 345,000 volt transmission lines for road projects, as required.

Group:	Transmission
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$419.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$64.00	$67.00	$69.00	$71.00	$73.00	$75.00	$419.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0214 T:Right-of-Way/Easements

Description:

This item provides for purchasing right-of-way (ROW) and easements for 115,000 volt transmission lines. Construction damages are also included in these estimates. Easements (new or perfected) are required for the following projects in this CIP:
- 40th & Bennet - 76th & Rokeby
- SW7th & Bennet - 40th & Rokeby
- 91st & Hwy 2 - 76th & Rokeby

Group:	Transmission
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$6,656.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$442.00	$1,768.00	$2,678.00	$1,248.00	$260.00	$260.00	$6,656.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Land Acquisition	X	X	X	X	X	X
Other	X	X	X	X	X	X

0424 T:115kV SW7th & Bennet - 40th & Rokeby 115kV Line

Description:

Install about 5.5 miles of 115kV transmission line from a proposed 115kV substation near SW 7th & Bennet Road to the existing 115kV substation at 40th & Rokeby Road.

Group:	Transmission
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/01/2015
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$4,558.00 Prior Appropriations $2,874.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$1,684.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,684.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X					
Other	X					

0684 T:91st & Hwy 2 - 76th & Rokeby Rd 115kV Line

Description:

Install approximately 3.25 miles of 115kV transmission line from the existing 91st & Highway 2 Substation to a proposed distribution substation near 76th & Rokeby Road.

Group:	Transmission
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2020
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,599.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$848.00	$1,751.00	$2,599.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction					X	X
Other					X	X

0686 T:40th & Bennet - 76th & Rokeby 115kV Line

Description:

Construct approximately 4.5 miles of 115kV single circuit transmission line from the planned 76th & Rokeby substation to a new switching substation near 40th & Bennet Rd.

Group:	Transmission
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2021
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$3,597.00 Prior Appropriations $0.00 Costs Beyond: $2,467.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$0.00	$1,130.00	$1,130.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction						X
Other						X

0237 S:Misc Ongoing Construction

Description:

Various construction, rebuild and communication projects that are required to enhance customer service and reliability. This could include transformer replacement or terminal modifications at existing substations.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,923.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$655.00	$689.00	$239.00	$273.00	$252.00	$815.00	$2,923.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0238 S:Substation Sites

Description:

Purchase land for substation sites as required for supporting continued growth. In this CIP, new sites are needed for substations near these proposed locations:
- 40th & Bennet Road
- 120th & Alvo Road
- SW 56th & K
- 128th & O
- "Wind Project Interconnection"

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$897.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$113.00	$283.00	$120.00	$123.00	$127.00	$131.00	$897.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Land Acquisition	X	X	X	X	X	X
Other	X	X	X	X	X	X

0245 S:84th & Leighton Transformer #2

Description:

Add a second 115-12kV, 36 MVA transformer to the existing substation at 84th & Leighton. The second transformer will replace four smaller 35-12kV transformers and is required to provide additional capacity to ensure reliable service for the growing electric needs of the area.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers. In addition, the 115kV-12kV substation is significantly more efficient than the older 35-12kV substations.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2016
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,854.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$2,035.00	$819.00	$0.00	$0.00	$0.00	$0.00	$2,854.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X				
Other	X	X				

0283 S:27th & Pine Lake Transformer #2

Description:

Add second 115-12kV transformer and associated switchgear at the existing 27th & Pine Lake Substation. This expansion is required to serve the growing load in this area.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/31/2021
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,894.00 Prior Appropriations $0.00 Costs Beyond: $404.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$0.00	$2,490.00	$2,490.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction						X
Other						X

0543 S:21st & N Substation

Description:

Build a new 115-12kV substation near 21st & N that will support the continuing growth in central Lincoln as well as allow for the retirement of the existing 35-12kV substation at 19th & Q. This new substation will provide reliable service to the Antelope Valley Corridor as identified in the Vision 2015 plan. The existing substation at 19th & Q is not adequate to serve the load growth identified in Vision 2015. In addition, the existing substation is served from the less reliable 35kV system. The proposed expanded substation would be sourced from the more efficient and reliable 115kV system (CLRP).

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/01/2015
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$3,280.00 Prior Appropriations $2,934.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$346.00	$0.00	$0.00	$0.00	$0.00	$0.00	$346.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X					
Other	X					

0638 S:17th & Holdrege Transformer #2

Description:

Add a 115-12kV, 36 MVA transformer and associated switchgear at the existing 17th & Holdrege Substation. This capacity addition will support growth at University of Nebraska (City Campus), research corridor, and the Nebraska Innovation Campus.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/01/2017
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,529.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$1,286.00	$1,243.00	$0.00	$0.00	$0.00	$2,529.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction		X	X			
Other		X	X			

0682 S:91st & A Replace Transformer

Description:

This project will replace the existing 115-12kV, 28 MVA transformer (T721) with a new 36 MVA transformer and 12kV switchgear. Transformer T721 was manufactured in 1969, will be 50 years old in 2019 and is one of the oldest 115-12kV transformers in the system. This project acknowledges the need to start replacing older 115-12kV transformers based on the Substation Transformer Replacement Study. It will also provide additional capacity at the 91st & A Substation.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2019
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$3,049.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$2,769.00	$280.00	$0.00	$3,049.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction				X	X	
Other				X	X	

0683 S:76th & Rokeby Substation

Description:

Build a 115-12kV substation near 76th & Rokeby including a 115-12kV, 36 MVA transformer and associated switchgear. This capacity addition will support the continuing growth in southeast Lincoln.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/31/2020
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$3,873.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$3,438.00	$435.00	$3,873.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction					X	X
Other					X	X

0687 S:Upgrade 40th & Rokeby Substation

Description:

Install equipment to convert the substation to a ring-bus configuration. This will accommodate an additional line terminal to connect a 115kV line to proposed SW7th & Bennet substation.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2015
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$835.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$835.00	$0.00	$0.00	$0.00	$0.00	$0.00	$835.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X					
Other	X					

0688 S:120th & Alvo Substation

Description:

Build a new 115-12kV substation near 120th & Alvo including a 115-12kV, 36 MVA transformer and associated switchgear. This substation will absorb all load currently served from the 35kV substation located at 108th & Alvo and provide additional capacity to support future growth in northeast Lincoln.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2018
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$4,081.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$3,273.00	$808.00	$0.00	$0.00	$4,081.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction			X	X		
Other			X	X		

0689 S:29th & Leighton Substation, Add 115-35kV Trfr

Description:

Add a 115-35kV, 56 MVA transformer at the 29th & Leighton Substation. The 115-35kV transformer will absorb load currently served from 115-35kV, 56 MVA transformer (T304) at 2nd & N which was installed in 1964, will be 52 years old in 2016 and has high core and winding losses. A terminal for the transformer will be created by converting the substation to a ring-bus configuration.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/31/2017
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$4,014.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$3,642.00	$372.00	$0.00	$0.00	$0.00	$4,014.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction		X	X			
Other		X	X			

0690 S:Wind Project Interconnection

Description:

This project is initiated by the SPP generation interconnection process and LES will be reimbursed for all associated project costs. The project adds a 3 terminal 115kV ring-bus switching substation near SW 42nd & West Pella Road connected to L1197. The estimate assumes a location immediately adjacent to the existing transmission line. The project will happen only if the developer decides to construct the wind farm.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2016
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$3,596.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$3,596.00	$0.00	$0.00	$0.00	$0.00	$3,596.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction		X				
Other		X				

0691 S:91st & Hwy 2 Substation Upgrade

Description:

Install equipment to convert the substation to a ring-bus configuration. This will accommodate an additional line terminal to connect a 115kV line to the planned 76th & Rokeby substation.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2020
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$1,347.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$78.00	$1,269.00	$1,347.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction					X	X
Other					X	X

0692 S:40th & Bennet Substation

Description:

This project adds a 3 terminal 115kV ring-bus switching substation near 40th & Bennet connected to 115kV lines to SW 7th & Bennet, 40th & Rokeby and 76th & Rokeby substations. The substation will be configured to accommodate the addition of a 115-12kV transformer and associated switchgear in the future.

Sustainability: Substation transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2021
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,620.00 Prior Appropriations $0.00 Costs Beyond: $2,395.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$0.00	$225.00	$225.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction						X
Other						X

0694 S:West Lincoln Substation Rebuild

Description:

Upgrade the 115kV West Lincoln substation which was constructed in approximately 1937. The project will enhance system reliability by reconfiguring the 115kV bus and replacing obsolete equipment. The project also includes retiring 115-35kV transformers T082 (41.6 MVA), T083 (50 MVA) and associated 35 kV bus work removed from service in 2015.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2020
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$4,594.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$0.00	$0.00	$0.00	$2,260.00	$2,334.00	$4,594.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction					X	X
Other					X	X

0695 S:Wagener Substation Upgrade

Description:

Replace 115kV equipment at the Wagener substation. The old equipment requires significantly more maintenance to maintain equipment reliability and is approaching the end of its useful life. In addition, this project may include a new substation control building to maintain conformance with NERC CIP standards.

Group:	Substation
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	05/31/2016
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$1,706.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$1,507.00	$199.00	$0.00	$0.00	$0.00	$0.00	$1,706.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X				
Other	X	X				

0073 O:Transformers & Meters

Description:

We will install approximately 5,000 kVA of pole-mounted transformers per year to serve new load and to replace old, deteriorated transformers.

This project also covers the purchase of meters for both overhead and underground commercial and industrial services. This item also covers the standard installation charge for the new transformers and meters (per FERC accounting rules).

Sustainability: All distribution transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,671.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$413.00	$425.00	$438.00	$451.00	$465.00	$479.00	$2,671.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0074 O:Extensions

Description:

RESIDENTIAL EXTENSIONS: The residential extension item provides for the addition of primary (12,500 volt) and secondary lines (low voltage) to new residential customers or to existing residential customers for increased load. This item also covers removal of existing overhead facilities when a service is converted to underground. Most new service conductors are installed underground.

COMMERCIAL/INDUSTRIAL: A commercial/industrial extension is the addition of primary, secondary, or service facilities to a new customer or to an existing customer for increased load, where the customer is commercial or industrial.

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$1,624.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$253.00	$259.00	$267.00	$274.00	$281.00	$290.00	$1,624.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0076 O:Service Area Adjustments

Description:

LES and Norris have entered into a Joint Planning Agreement. The agreement calls for the planning in a Joint Planning Area and the orderly transition of service area from Norris to LES as required to keep all of the City of Lincoln within LES' service area. These adjustments will provide a buffer area around the city limits to allow planning for infrastructure in these areas.

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$334.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$0.00	$62.00	$64.00	$67.00	$69.00	$72.00	$334.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction		X	X	X	X	X
Other		X	X	X	X	X

0077 O:Rebuilds

Description:

The rebuild budget item is for replacement or removal of deteriorated (or otherwise obsolete) facilities. Some rebuild work will be associated with new or increased loads. Rebuild work will also be required on joint poles with the telephone company. Our goal is to replace approximately 200 old, deteriorated poles per year. We will also annually test about 2,000 poles and treat about 1,600 of these poles with preservative to extend their life.

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$13,018.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$2,003.00	$2,063.00	$2,128.00	$2,206.00	$2,274.00	$2,344.00	$13,018.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0078 O:Relocations

Description:

This item provides for the relocation of existing overhead distribution facilities. This item also includes the overhead portion of an overhead-to-underground relocation project. Relocations are generally requested for federal, state, county, or city governmental agencies for road widening, sewer construction, etc. Customers also request relocation work for various projects. An "aid-to-construction", based on non-betterment cost to LES, is usually required for these projects. We anticipate relocating about 3-4 miles of overhead distribution lines annually.

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$1,804.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$279.00	$288.00	$296.00	$305.00	$314.00	$322.00	$1,804.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0079 O:Major Circuits

Description:

FEEDERS

This budget item provides for ongoing construction of new 12kV and 35kV feeders (main distribution circuits). Reconductoring of existing overhead feeders for capacity requirements and the installation of 600 amp disconnect switches for sectionalizing are also covered by this project.

Sustainability: Distribution feeder conductors are economically evaluated including the life-cycle cost of electrical losses. This allows LES to install higher capacity lines with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

CAPACITORS

This item provides for the installation of pole-mounted distribution capacitor banks. Capacitors are used for power factor correction on the distribution system. These capacitors provide a more economic operation by reducing unmetered electric losses in the distribution and transmission system. They also provide needed voltage support at peak load conditions. We plan to install 2 - 1,200 kVAR, radio-controlled, switched overhead capacitor banks per year.

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$2,742.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$321.00	$574.00	$1,229.00	$201.00	$206.00	$211.00	$2,742.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0696 O:AMR Meter Conversion

Description:

LES will be transitioning to AMR meters. This will provide for drive-by meter reading.
Note: This project was previously shown as part of "Overhead Transformers & Meters".

Group:	Overhead Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	12/31/2016
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$8,293.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$4,040.00	$4,253.00	$0.00	$0.00	$0.00	$0.00	$8,293.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X				
Other	X	X				

0081 U:Transformers

Description:

Based on projected customer growth, about 50,000 kVA of pad-mounted transformers will be purchased each year to serve new load and to replace existing transformers that are damaged or fail in service. Disposal of PCB-contaminated transformers is included in this project. This item also covers the standard installation charge for the new transformers (per FERC accounting).

Sustainability: All distribution transformers are economically evaluated including the life-cycle cost of electrical losses. This allows LES to purchase higher quality transformers with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

Group:	Underground Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$8,822.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$1,364.00	$1,405.00	$1,447.00	$1,490.00	$1,535.00	$1,581.00	$8,822.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0082 U:Extensions

Description:

RESIDENTIAL EXTENSION: A projected 1,200 new residential customers per year will be served from proposed, new underground primary, secondary or service additions. Also covered by this budget item are about 300 existing customers that request overhead to underground conversions of their electric service or upgrades for increased load.

RESIDENTIAL DEVELOPMENT: This provides primary and secondary extensions to new residential developments and apartment complexes.

COMMERCIAL EXTENSION: About 150 new commercial and industrial customers per year will require new underground primary, secondary or service installations. Other commercial customers will expand their business and will require upgraded service conductors and transformer capacities.

COMMERCIAL DEVELOPMENT: Newly platted commercial and industrial developments, including small shopping centers and offices are covered in this budget item.

Group:	Underground Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$39,475.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$6,101.00	$6,284.00	$6,474.00	$6,669.00	$6,870.00	$7,077.00	$39,475.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0083 U:Rebuilds

Description:

This item provides for replacement of existing underground facilities due to age, deterioration, or other operating problems. This budget item also includes replacing deteriorated overhead facilities with underground, when feasible. The identified projects are general system upgrades that will extend the life of existing underground facilities. LES has about 1,270 circuit miles of underground primary distribution conductor in service. We recognize that some of our underground cable and equipment is approaching the end of its useful life. We anticipate the increased need to replace deteriorating underground cable and obsolete equipment to maintain adequate reliability levels for our customers. We plan to replace about 8 miles of deteriorated conductor and associated equipment annually. Replacement will be done on an "as required" basis. We are also continuing a program to install duct (about 60 miles per year) along existing older cable to facilitate rapid installation in a future failure event.

Group:	Underground Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$47,996.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$7,083.00	$7,531.00	$7,982.00	$8,215.00	$8,465.00	$8,720.00	$47,996.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0085 U:Relocations

Description:

This item provides for the relocation of existing underground distribution facilities. This item also includes the underground portion of an overhead-to-underground relocation project. Relocations are generally requested by federal, state, county, or city governmental agencies for road widening, sewer construction, etc. Other relocation work is requested by customers. An "aid-to-construction", based on non-betterment cost to LES, is usually required for these projects. Typically we will:
· Relocate 3 to 4 miles of existing overhead and underground lines and associated transformers and equipment for road widening projects and customer requests.
· Convert to underground about 1 mile of existing overhead lines and associated transformers and equipment in the discretionary overhead to underground conversion program.

Group:	Underground Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$12,084.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$2,463.00	$1,819.00	$1,885.00	$1,927.00	$1,970.00	$2,020.00	$12,084.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0086 U:Major Circuits

Description:

FEEDER
This project provides for construction of new 12kV and 35kV feeders (main distribution lines). The installation of switchgears on existing feeders is also included in this budget item. We will install about 5 to 6 miles of underground feeders per year.

Sustainability: Distribution feeder conductors are economically evaluated including the life-cycle cost of electrical losses. This allows LES to install higher capacity lines with lower electrical losses (lower energy use and reduction of greenhouse gasses) while maintaining lowest overall cost for customers.

PADMOUNT CAPACITORS
This item provides for the installation of padmounted capacitor banks on the underground distribution system. Capacitors are used for power factor correction on the distribution system. These capacitors provide a more economic operation by reducing unmetered electric losses in the distribution and transmission system. They also provide needed voltage support at peak load conditions. We plan to install 2 - 1,200 kVAR, radio-controlled, padmounted capacitor banks per year.

Group:	Underground Distribution
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$9,419.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$1,395.00	$1,464.00	$1,380.00	$1,807.00	$1,850.00	$1,523.00	$9,419.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0070 W:OH Distribution - Waverly

Description:

Various overhead distribution projects in Waverly city limits. This includes services for new customers as well as rebuilding existing facilities to maintain a reliable system.

Group:	Waverly
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$84.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$14.00	$14.00	$14.00	$14.00	$14.00	$14.00	$84.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0071 W:UG Distribution - Waverly

Description:

Various underground distribution projects in Waverly city limits. This includes services for new customers as well as rebuilding existing facilities to maintain a reliable system.

Group:	Waverly
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$690.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$115.00	$115.00	$115.00	$115.00	$115.00	$115.00	$690.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0072 W:Street Light - Waverly

Description:

Various street light projects in Waverly city limits.

Group:	Waverly
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$72.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00	$72.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0089 L:Misc Ongoing Projects

Description:

SECURITY LIGHTS
Security lighting provides for lighting of private property, as requested by customers, for which they are charged a monthly fee.

COUNTY STREET LIGHTS
This budget item provides for street light facilities for Lancaster County roads. LES accounts for these facilities separately from City of Lincoln street light facilities.

Group:	Street Light
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$211.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$32.00	$33.00	$35.00	$36.00	$37.00	$38.00	$211.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0067 P:Laramie River Station

Description:

This item represents LES' share of anticipated annual capital expenditures for the Laramie River Station. The Laramie River facility consistently ranks among the lowest cost generating stations in the United States. This performance record is a result of efficient and effective design and the continued review and upgrade of facility systems. The Project's facilities are in good condition and in compliance with environmental and other regulatory requirements. However, after over twenty five years of operation the system is beginning to show its age. This fact, coupled with technological advances, is cause for additional investments in the Project. A number of significant plant improvements are scheduled for the 2014 through 2020 time frame, including upgrades which will improve plant efficiency, reliability as well as reduce environmental impacts.

Group:	Power Supply
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$31,052.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$6,506.00	$5,506.00	$5,010.00	$5,510.00	$5,010.00	$3,510.00	$31,052.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0137 P:Walter Scott Energy Center #4

Description:

This item covers ongoing capital investments in LES' newest base load power plant. LES has a 100 MW share of the Walter Scott Energy Center output. WSEC #4 uses a high efficiency, super critical steam boiler design and extensive emissions controls which significantly reduces fuel consumption and air emissions compared to standard coal plant designs.

Group:	Power Supply
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$6,306.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$1,758.00	$1,208.00	$1,310.00	$760.00	$760.00	$510.00	$6,306.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0156 P:Local Generation Capital Projects

Description:

This Budget item covers a variety of projects at the three local gas fired power plants: Rokeby Station, 8th & J Street Station and the Terry Bundy Generating Station. These plant improvements and upgrades are necessary to maintain the operating reliability as well as environmental and security requirements for these critical assets.

Group:	Power Supply
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$12,615.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$3,625.00	$2,125.00	$1,650.00	$1,855.00	$1,680.00	$1,680.00	$12,615.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

0157 P:Misc Env.,Safety,Security

Description:

This budget item provides for unanticipated capital expenditures imposed by changing regulatory, environmental or operational requirements or unexpected major equipment failures. Based on 1997 through 2011 operating experience, the local LES generating assets have reached a new level of required performance and availability. With recent market conditions and transmission line loading constraints, it will be critical to maintain these turbines at a high operational level for periods of critical peak demand and during other generating unit outages. Changing environmental regulations and permitting mandates may also require unanticipated unit modifications. It is also anticipated that site security upgrades could be dictated by any number of regulatory agencies (FERC, NERC, Homeland Security Agency, etc.).

Group:	Power Supply
Program:	(None)
Budget Outcome:	
Budget Goal:	
Date Anticipated:	
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:$3,350.00 Prior Appropriations $0.00 Costs Beyond: $0.00

6 yr appropriations

Funding Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	6 yr Total
Lincoln Electric System	$525.00	$525.00	$575.00	$575.00	$575.00	$575.00	$3,350.00

6 yr estimated cost by activity

Activity type	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Construction	X	X	X	X	X	X
Other	X	X	X	X	X	X

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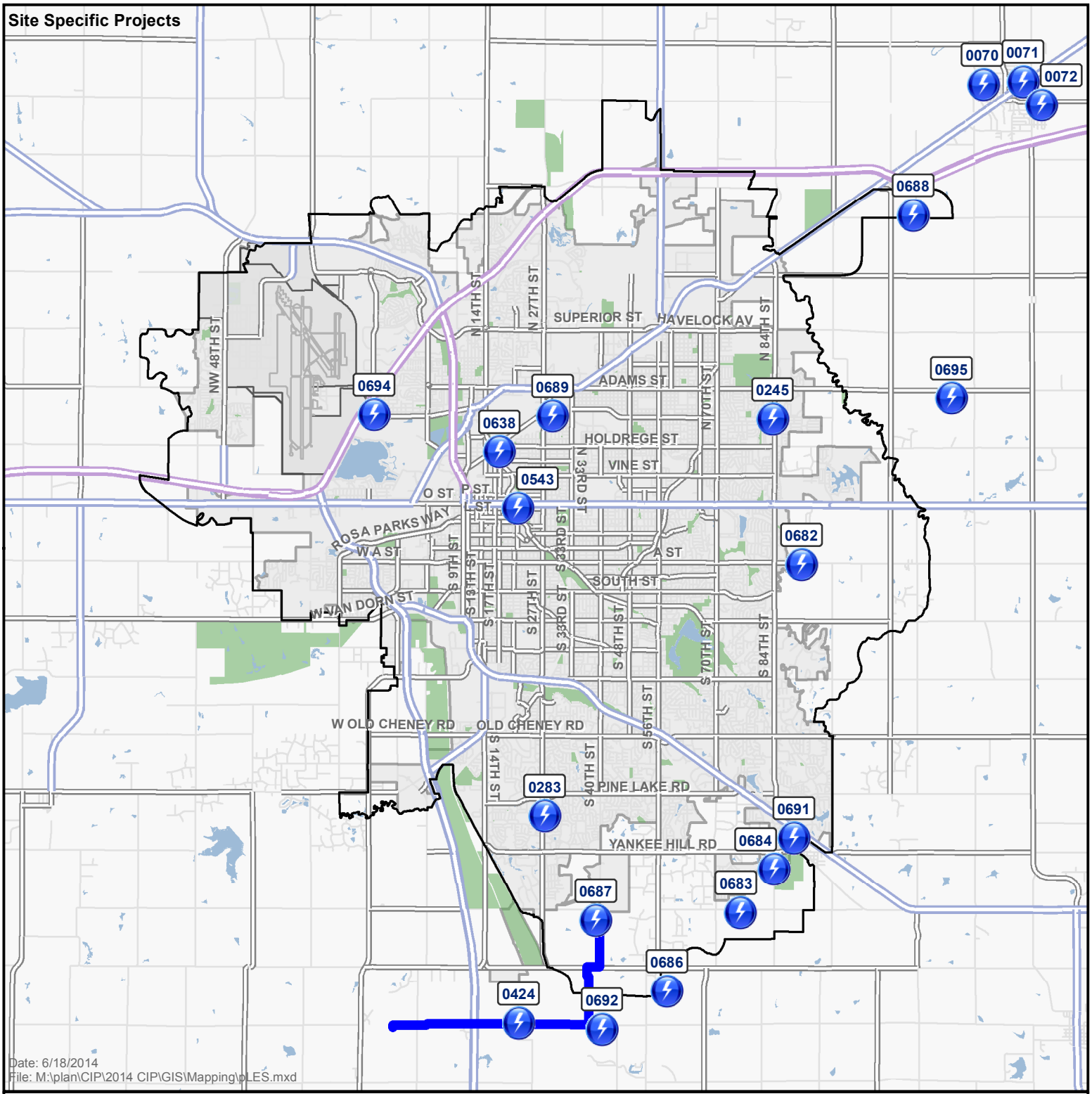

Lincoln CIP 2014 - 2020

Lincoln Electric System

Project Locations

XXXX

Last 4 digits of project number

Lincoln's Future Service Limit Shown as Black Outline

N
W E
S

2 1 0 2
Miles

Consult the detailed project descriptions and funding summary for further information.

Projects with Citywide Benefit

0117	0213	0214	0237
0238	0073	0074	0076
0077	0078	0079	0081
0082	0083	0085	0086
0089	0067	0137	0156
0157	0679	0697	0690
0696			

* Amounts are in thousands of dollars

Lincoln Electric System

	Project Title	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
0679	G:Service Center	**12,021.00**	**13,169.00**	**0.00**	**0.00**	**0.00**	**0.00**	$25,190.0
0697	G:Backup Control Center Improvements	**728.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	$728.0
0117	T:Misc. Construction/Rebuild	**71.00**	**626.00**	**626.00**	**628.00**	**75.00**	**78.00**	$2,104.0
0213	T:Relocations	**64.00**	**67.00**	**69.00**	**71.00**	**73.00**	**75.00**	$419.0
0214	T:Right-of-Way/Easements	**442.00**	**1,768.00**	**2,678.00**	**1,248.00**	**260.00**	**260.00**	$6,656.0
0424	T:115kV SW7th & Bennet - 40th & Rokeby 115kV Line	**1,684.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	$1,684.0
0684	T:91st & Hwy 2 - 76th & Rokeby Rd 115kV Line	**0.00**	**0.00**	**0.00**	**0.00**	**848.00**	**1,751.00**	$2,599.0
0686	T:40th & Bennet - 76th & Rokeby 115kV Line	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1,130.00**	$1,130.0
0237	S:Misc Ongoing Construction	**655.00**	**689.00**	**239.00**	**273.00**	**252.00**	**815.00**	$2,923.0
0238	S:Substation Sites	**113.00**	**283.00**	**120.00**	**123.00**	**127.00**	**131.00**	$897.0
0245	S:84th & Leighton Transformer #2	**2,035.00**	**819.00**	**0.00**	**0.00**	**0.00**	**0.00**	$2,854.0
0283	S:27th & Pine Lake Transformer #2	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2,490.00**	$2,490.0
0543	S:21st & N Substation	**346.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	$346.0
0638	S:17th & Holdrege Transformer #2	**0.00**	**1,286.00**	**1,243.00**	**0.00**	**0.00**	**0.00**	$2,529.0
0682	S:91st & A Replace Transformer	**0.00**	**0.00**	**0.00**	**2,769.00**	**280.00**	**0.00**	$3,049.0
0683	S:76th & Rokeby Substation	**0.00**	**0.00**	**0.00**	**0.00**	**3,438.00**	**435.00**	$3,873.0
0687	S:Upgrade 40th & Rokeby Substation	**835.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	$835.0
0688	S:120th & Alvo Substation	**0.00**	**0.00**	**3,273.00**	**808.00**	**0.00**	**0.00**	$4,081.0
0689	S:29th & Leighton Substation, Add 115-35kV Trfr	**0.00**	**3,642.00**	**372.00**	**0.00**	**0.00**	**0.00**	$4,014.0
0690	S:Wind Project Interconnection	**0.00**	**3,596.00**	**0.00**	**0.00**	**0.00**	**0.00**	$3,596.0
0691	S:91st & Hwy 2 Substation Upgrade	**0.00**	**0.00**	**0.00**	**0.00**	**78.00**	**1,269.00**	$1,347.0
0692	S:40th & Bennet Substation	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**225.00**	$225.0

* Amounts are in thousands of dollars

		2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
0694	S:West Lincoln Substation Rebuild	**0.00**	**0.00**	**0.00**	**0.00**	**2,260.00**	**2,334.00**	$4,594.0
0695	S:Wagener Substation Upgrade	**1,507.00**	**199.00**	**0.00**	**0.00**	**0.00**	**0.00**	$1,706.0
0073	O:Transformers & Meters	**413.00**	**425.00**	**438.00**	**451.00**	**465.00**	**479.00**	$2,671.0
0074	O:Extensions	**253.00**	**259.00**	**267.00**	**274.00**	**281.00**	**290.00**	$1,624.0
0076	O:Service Area Adjustments	**0.00**	**62.00**	**64.00**	**67.00**	**69.00**	**72.00**	$334.0
0077	O:Rebuilds	**2,003.00**	**2,063.00**	**2,128.00**	**2,206.00**	**2,274.00**	**2,344.00**	$13,018.0
0078	O:Relocations	**279.00**	**288.00**	**296.00**	**305.00**	**314.00**	**322.00**	$1,804.0
0079	O:Major Circuits	**321.00**	**574.00**	**1,229.00**	**201.00**	**206.00**	**211.00**	$2,742.0
0696	O:AMR Meter Conversion	**4,040.00**	**4,253.00**	**0.00**	**0.00**	**0.00**	**0.00**	$8,293.0
0081	U:Transformers	**1,364.00**	**1,405.00**	**1,447.00**	**1,490.00**	**1,535.00**	**1,581.00**	$8,822.0
0082	U:Extensions	**6,101.00**	**6,284.00**	**6,474.00**	**6,669.00**	**6,870.00**	**7,077.00**	$39,475.0
0083	U:Rebuilds	**7,083.00**	**7,531.00**	**7,982.00**	**8,215.00**	**8,465.00**	**8,720.00**	$47,996.0
0085	U:Relocations	**2,463.00**	**1,819.00**	**1,885.00**	**1,927.00**	**1,970.00**	**2,020.00**	$12,084.0
0086	U:Major Circuits	**1,395.00**	**1,464.00**	**1,380.00**	**1,807.00**	**1,850.00**	**1,523.00**	$9,419.0
0070	W:OH Distribution - Waverly	**14.00**	**14.00**	**14.00**	**14.00**	**14.00**	**14.00**	$84.0
0071	W:UG Distribution - Waverly	**115.00**	**115.00**	**115.00**	**115.00**	**115.00**	**115.00**	$690.0
0072	W:Street Light - Waverly	**12.00**	**12.00**	**12.00**	**12.00**	**12.00**	**12.00**	$72.0
0089	L:Misc Ongoing Projects	**32.00**	**33.00**	**35.00**	**36.00**	**37.00**	**38.00**	$211.0
0067	P:Laramie River Station	**6,506.00**	**5,506.00**	**5,010.00**	**5,510.00**	**5,010.00**	**3,510.00**	$31,052.0
0137	P:Walter Scott Energy Center #4	**1,758.00**	**1,208.00**	**1,310.00**	**760.00**	**760.00**	**510.00**	$6,306.0
0156	P:Local Generation Capital Projects	**3,625.00**	**2,125.00**	**1,650.00**	**1,855.00**	**1,680.00**	**1,680.00**	$12,615.0
0157	P:Misc Env.,Safety,Security	**525.00**	**525.00**	**575.00**	**575.00**	**575.00**	**575.00**	$3,350.0
	Department Totals:	**58,803.00**	**62,109.00**	**40,931.00**	**38,409.00**	**40,193.00**	**42,086.00**	**$282,531.0**

* Amounts are in thousands of dollars

Funding Sources

Fund Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
Lincoln Electric System	$58,803.0	$62,109.0	$40,931.0	$38,409.0	$40,193.0	$42,086.0	$282,531.0
	$58,803.0	**$62,109.0**	**$40,931.0**	**$38,409.0**	**$40,193.0**	**$42,086.0**	**$282,531.0**

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