# **Project Summary and Justification**

Department Lincoln Electric System

Division

Lincoln Electric System is submitting a Capital Improvement Program for 2004 - 2010<sup>1</sup> that will:

- Extend electric service to 12,000 new customers,
- · Increase size of service for 6,000 existing customers,
- Serve 103,000 kilowatts of new electric load, and
- Replace obsolete and deteriorated facilities.

We project that the normal weather peak system demand will increase from 751,000 kilowatts in 2004 to 854,000 kilowatts in 2010. This increase of 103,000 kW represents an effective annual growth rate of 2.2% over the six-year period. Net customer growth will average 2,000 new customers per year through this six-year plan.

The 2004 - 2010 Capital Improvement Program includes \$345,839,000 in capital improvements to continue to provide economical and reliable electric service to our customers.

This program shows two types of projects. Specific projects are shown below with a brief description. Continuing projects are normally customer related and not yet identified. They are not described here.

## TRANSMISSION PROJECTS

### Projects 1-5 Continuing Miscellaneous Construction Projects (Not Shown)

## Project 6 115kV Transmission Line: 40<sup>th</sup>, Yankee Hill - Rokeby Road

Install 1 mile of 115kV, double-circuit transmission line from the existing 115kV line at 40<sup>th</sup> & Yankee Hill Road to a proposed substation near 40th & Rokeby Road.

### Project 7 115kV Transmission Line: NW 12th & Arbor – NW 68th & Holdrege

Install about 8 miles of 115kV transmission line from the new NW 12th & Arbor Substation to the existing 345 -115kV substation at NW 68th & Holdrege. About 2 miles of this line will be constructed to accommodate a proposed 345kV line (345kV Regional Tie) in addition to the 115kV line.

### Project 8 115kV Transmission Rebuild: Rokeby Sub - 20th & Pioneers

Rebuild approximately 5.5 miles of existing 115kV line from the Rokeby Substation near SW 12th & Denton Road to the 20th & Pioneers 115kV Substation. This line is being upgraded to provide additional capacity for bringing power generated at Rokeby Station to Lincoln.

### Project 9 115kV Transmission Rebuild/Upgrade: Sheldon Sub - Rokeby Sub

Rebuild and upgrade about 10 miles of old, 115kV transmission line from the existing Sheldon Substation (Hallam, NE) to the existing substation at Rokeby Generating Station.

<sup>&</sup>lt;sup>1</sup>The 2004-2010 CIP covers 2004 to 2010 for LES. The LES fiscal year coincides with the calendar year. For example, on Forms A & B, 2004-2005 is 2005 for LES.

Project Summa	ry and Justification (cont.)
Department	Lincoln Electric System
Division	
68th & Holdrege S essential element i a second 345-115k another 345kV sou Amberly is comple NW 12th & Arbor year period: . NW 68 <sup>th</sup> &	<b>345kV Transmission Line: Regional Tie</b> ely 25 miles of 345kV line from the Wagener Substation (128th & Adams) to the NW Substation. This line will complete a loop to NW 68th & Holdrege Substation and is an n developing the 345kV bulk transmission network. Its timing is based on the need for cV transformer at NW 68th & Holdrege Substation. The second transformer requires arce to meet reliability criteria. The first 5 miles, from 128th & Adams to 120th & ete. In 2004, another 2 miles will be completed in conjunction with the 19th & Alvo – 115kV project. The two remaining portions of the line will be built during this six- & Holdrege – NW 12 <sup>th</sup> & Arbor; Kelvie – 120 <sup>th</sup> & Amberly.
SUBSTATION P	ROJECTS
Reconfigure an ex	<b>Continuing Miscellaneous Construction Projects (Not Shown)</b> <b>okeby Substation - Reconfigure</b> isting switching substation at Rokeby Generating Station to provide additional the generators at Rokeby Generating Station to the transmission grid.
Build a new 115-1	W 27th & "F" Substation 2kV substation near SW20th & "K". This substation replaces the 3rd & Van Dorn last CIP. Continued growth in this area will require an additional substation transformer
This proposed sub Nebraska directly	<b>7th &amp; Holdrege Substation</b> station in the vicinity of 17th & Holdrege will provide service to the University of from an LES 115kV transmission line. This will provide a needed additional capacity on city campus, State Fair Park and the surrounding area.
Build a new 115-1 Lake Upgrade from (27th & Rokeby) w	<b>Oth &amp; Rokeby Substation</b> 2kV substation near 40th & Rokeby Road. This substation replaces the 27th & Pine in the last CIP. Continued growth in this area and the addition of the S1/S2 subareas will require an additional substation near this location. We will be conducting routing V line to serve this substation.
Add a second 115-	<b>Ath &amp; Leighton Substation, Transformer #2</b> -12kV, 39.2 MVA transformer to the existing substation at 84th & Leighton. The r is required to provide additional capacity to ensure reliable service for the growing he area.

# **Project Summary and Justification (cont.)**

Department Lincoln Electric System

Division

## Project 22 NW 40th & Alvo Substation

Build a new 115-12kV substation near NW 40th & Alvo. This substation will serve continuing industrial growth in this area. This substation will also provide better back-up to the growing Kawasaki load and to Fallbrook.

## Project 23 56th & I80 Substation

Build a new 115-12kV substation near 56th Street and Interstate 80. Continued growth in this area and development in north Lincoln (N1/N2 subareas) will require a new substation at this location.

### Project 24 70th & Bluff Substation, Replace Transformer & Breakers

Replace and upgrade the existing 115-161kV transformer at the 70<sup>th</sup> & Bluff Substation. This transformer is a critical part of the grid connection to OPPD and is undersized for several power flow situations.

## Project 25 Wagener Substation – Add Line Terminal

This project adds an additional 345kV line terminal to the Wagener Substation in order to energize the 345kV regional tie line.

### Project 26 NW 68<sup>th</sup> & Holdrege Substation, Transformer #2

Add a second 345-115kV, 336MVA transformer to the existing substation at NW 68th & Holdrege. The second transformer is required to provide additional inlet capacity to ensure reliable service for the growing electric needs of the City of Lincoln.

### **OVERHEAD DISTRIBUTION PROJECTS**

### Projects 27-33 Continuing Miscellaneous Construction Projects (Not Shown)

## **UNDERGROUND DISTRIBUTION PROJECTS**

### Projects 34 - 39 Continuing Miscellaneous Construction Projects (Not Shown)

### WAVERLY PROJECTS

LES serves Waverly by franchise. We continue to budget and plan for capital investments to provide safe and reliable service to this growing community.

### Project 40 - 42 Continuing Miscellaneous Construction Projects (Not Shown)

# **Project Summary and Justification (cont.)**

Department Lincoln Electric System

Division

## STREET LIGHT PROJECTS

We are proposing \$17,750,000 for streetlight capital construction projects in this six-year plan. Approximately 700 (net) new streetlights per year will be added within the city limits. Many of these lighting projects are required by street and highway construction during this period. LES coordinates the arterial lighting schedule with the Department of Public Works.

## Project 43 - 48 Continuing Miscellaneous Construction Projects (Not Shown)

## **POWER SUPPLY PROJECTS**

## Project 49 Laramie River Station

This item represents LES' share of anticipated annual capital expenditures for the Laramie River Station. The Laramie River facility consistently ranks among the lowest operating 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 20 years of operation various systems are beginning to age. This fact, coupled with technological advances, is the primary cause for additional investments in the Project. A number of significant plant improvements are scheduled for the 2005 through 2010 time frame. These include turbine upgrades, upgrade of the super heater outlet bank, coal handling facility modifications switchgear upgrades, Gray Rocks Reservoir improvements, circulating water pipe lining and water treatment system improvements. These construction activities are of significant size and will provide a long term impact on the continued superior performance of this generating resource. A significant increase in the proposed capital budget may be required in the future if the EPA mandates reductions in mercury or CO2 emissions, which will require construction of additional emissions control systems.

## Project 50 Local Generation Permitting, Safety, Security and Unit Upgrades

The purpose of this budget item is to provide for unanticipated local generation capital requirements imposed by changing regulatory or operational requirements or unexpected major equipment failures. Based on 1997 through 2003 operating experience the local LES generation assets have reached a new level of required performance and availability. Based on recent market conditions, the 2003 termination of a base load resource contract and transmission line loading constraints it will be critical to maintain these turbines at a high operational level of periods of critical peak demand and other generating unit outages. Changing environmental regulations and permitting mandates may require unanticipated unit modifications. It is also anticipated that site security upgrades could be dictated by any number of regulatory agencies (FERC, MISO, MAPP, Homeland Security Agency, etc.).

## Project 51 Salt Valley Generating Station Spare Engine

Due to the critical nature of the Salt Valley Generating Station LES evaluated options to minimize unit outage durations for a major combustion turbine failure. This budget item provides for the purchase of a spare engine which could be installed in a matter of days as opposed to weeks for the other options. Life cycle analysis indicated a 6 year payback for this investment.

# **Project Summary and Justification (cont.)**

Department

Division

Lincoln Electric System

Project 52 Council Bluffs No. 4 (Regional Coal)

This capital item represents a 100 MW ownership share of a nominally rated 790 MW generating unit under construction at an existing plant site near Council Bluffs, Iowa. The project includes both generation facilities and significant 345 and 161 kV transmission construction. In order to diversify unit outage risk, LES will receive its 100 MW allocation from two different units on the plant site. Council Bluffs project work has progressed well during 2003 including the completion of preliminary air permitting activities, site grading and installation of production piling for the steam turbine pedestal. MidAmerican Energy Company is acting as project manager and operating agent for this facility. Including LES, there are currently 15 joint owners committed to the 2007 project. This capacity will be used to serve the growing needs of Lincoln and would be the first base load capacity added to LES' resources since Laramie River Station was placed in commercial operation in the early 1980's.

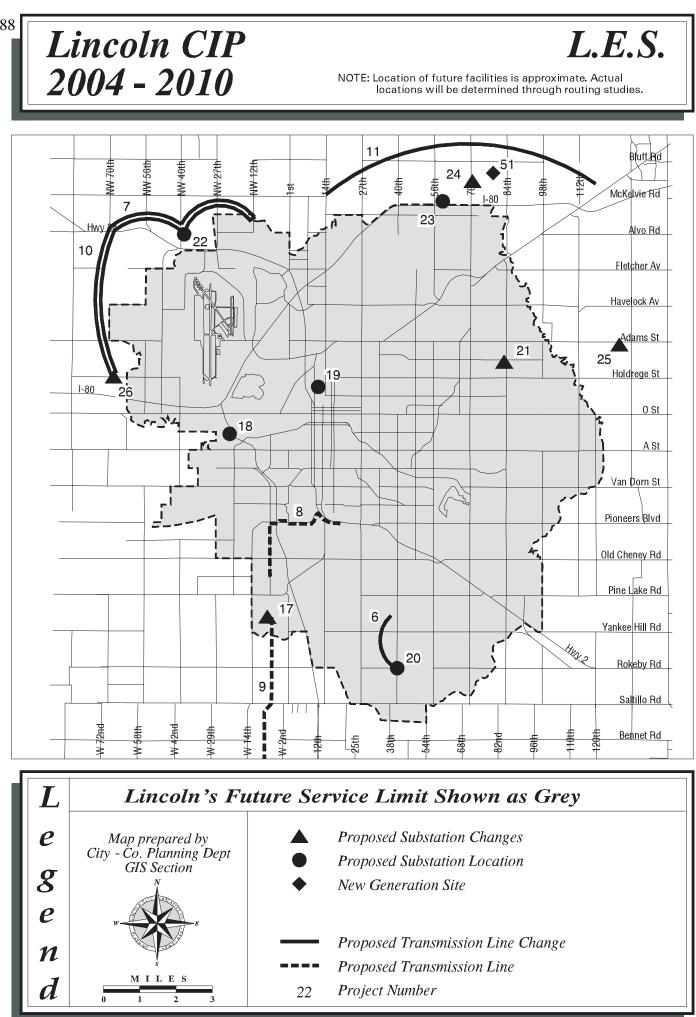
## Project 53 LES Renewable Project No. 3

This item will allow for construction of a renewable energy project as part of LES' Renewal Energy Program. Depending on the economics of energy production, LES would provide initial funding, but the amortization of construction and operation costs may be accomplished by a monthly contribution from LES customers who would elect to participate in an additional renewable project.

# **CONTRACT CARRIER PROJECTS**

## Project 54 Connections to Fiber Optic System

On March 3, 2003 the Lincoln City Council voted to approve an ordinance authorizing LES to provide telecommunication service as a contract carrier to support economic development. This project is for the purchase and installation of transport equipment to operate the fiber optic system assuming connections to three customer locations per year. We are proposing \$3,000,000 for connections to the LES fiber optic system in this six-year plan.



(satchel/cip/cip04/les04.aml)

(02/02/04)

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Project Project Number Title

#### TRANSMISSION PROJECTS

- 1-5\* Continuing Miscellaneous Construction Projects
- 6 115kV: 40<sup>th</sup>, Yankee Hill Rokeby Rd
- 7 115kV: NW12th & Arbor NW  $68^{th}$  & Holdrege
- 8 115kV: Rokeby Sub 20<sup>th</sup> & Pioneers
- 9 115kV: Sheldon Sub Rokeby Sub
- 10 345kV: NW68th & Holdrege NW12th & Arbor
- 11  $345kV: 14^{th}$  & McKelvie  $120^{th}$  & Amberly

#### SUBSTATION PROJECTS

- 12-16\* 35kV: Substation Miscellaneous Construction Projects
- 17 115kV: Rokeby Sub Reconfigure
- 18 115kV: SW 27<sup>th</sup> & "F" Substation
- 19 115kV: 17<sup>th</sup> & Holdrege Substation
- 20 115kV: 40<sup>th</sup> & Rokeby Substation
- 21 115kV: 84<sup>th</sup> & Leighton Add Transformer 2
- 22 115kV: NW40<sup>th</sup> & Alvo Substation
- 23 115kV: 56<sup>th</sup> & 180 Substation
- 24 161kV: 70<sup>th</sup> & Bluff Replace T691
- 25 345kV: Wagener Line Terminal
- 26 345kV: NW 68 & Holdrege Add Transformer

#### **OVERHEAD DISTRIBUTION PROJECTS**

27-33\* Continuing Miscellaneous Construction Projects

#### UNDERGROUND DISTRIBUTION PROJECTS

34-39\* Continuing Miscellaneous Construction Projects

#### WAVERLY PROJECTS

40-42\* Waverly Distribution & Streetlight

#### STREET LIGHT PROJECTS

43 - 48\* Street Light Construction

#### POWER SUPPLY PROJECTS

- 49\* Laramie River Station
- 50\* Local Generation Upgrades
- 51 SVGS Spare Engine
- 52\* Council Bluffs No.4
- 53\* Renewable No. 3

#### **CONTRACT CARRIER PROJECTS**

54\* Continuing Miscellaneous Construction Projects

\* Indicates project is NOT shown on the map.

FORM A

#### 2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

DIVISION: SUMMARY

2004	- 2010 CAPITAL IMPROVEMENT PROGRAM		DIVISION:	SUMMARY				
(1)	(2)	(3)	3% Inflation per	year	(4)			
				PROGRAMMED E	XPENDITURES & F	UNDING SOURCES	(FS) (000's)	
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2004-2005 FS	2005-2006 FS	2006-2007 FS	2007-2008 FS	2008-2009 FS	2009-2010 FS
	Transmission		12,677.0	15,728.0	11,198.0	3,098.0	572.0	581.0
	Substation		6,487.0	4,301.0	6,695.0	10,592.0	8,566.0	3,920.0
	Overhead		3,255.0	3,291.0	3,414.0	3,524.0	3,629.0	3,740.0
	Underground		10,872.0	11,620.0	11,951.0	12,634.0	13,323.0	13,721.0
	Waverly		79.0	85.0	88.0	98.0	101.0	104.0
	Street Light		4,250.0	2,480.0	2,968.0	2,476.0	2,518.0	3,058.0
	Power Supply		60,305.0	34,354.0	35,876.0	6,058.0	5,176.0	3,376.0
	Communication		500.0 ========	500.0	500.0	500.0	500.0	500.0
	TOTAL		98,425.0	72,359.0	72,690.0	38,980.0	34,385.0	29,000.0
	FUNDING SOURCE EXPLANATION All available cash (Utility Revenues) will be used first for funding generation projects. Revenue Bonds will be used to fund all other projects and the remaining generation projects in excess of available cash.							

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(5)	(6)	(7)	(8)	(9)	(10)				(11)			(1)
	COST		TOTAL			COST	BREAKDOW	INS FOR SIX	-YEAR EXPE	NDITURES (0	000's)	
TOTAL FOR SIX YEARS (000's)	BEYOND 2009-2010 (000's)	PRIOR APPROPRIATIONS (000's) YEAR FS	CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	PRELIM PLANS	FINAL PLANS	LAND ACQUISI- TION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	PRO. NO.
43,854.0	0.0	5,107.0	48,961.0						43,854.0			
40,561.0	0.0	1,842.0	42,403.0						40,561.0			
20,853.0	0.0	0.0	20,853.0						20,853.0			
74,121.0	0.0	0.0	74,121.0						74,121.0			
555.0	0.0	0.0	555.0						555.0			
17,750.0	0.0	0.0	17,750.0						17,750.0			
145,145.0	0.0	41,000.0	186,145.0						145,145.0			
3,000.0	0.0	0.0	3,000.0						3,000.0			
			393,788.0						======= 345,839.0			
040,000.0	0.0	41,040.0	000,700.0						040,000.0			

FORM A

### 2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

DIVISION: TRANSMISSION

2001			DIVISION					
(1)	(2)	(3)	3% Inflation per	year	(4)			
				PROGRAMMED E	XPENDITURES & F	UNDING SOURCES	(FS) (000's)	1
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2004-2005 FS	2005-2006 FS	2006-2007 FS	2007-2008 FS	2008-2009 FS	2009-2010 FS
1	115kV: Misc Construction/Rebuild	в	61.0	63.0	335.0	70.0	72.0	74.0
2	115kV: Relocation	в	141.0	63.0	67.0	70.0	72.0	74.0
3	115kV: Communication	В	520.0	428.0	428.0	428.0	428.0	433.0
4	115kV: ROW	в	1,897.0					
5	345kV: Other	в	107.0			128.0		
6	115kV:40th, Yankee Hill - Rokeby Rd	Α	535.0	428.0				
7	115kV: NW12th & Arbor - NW68th & Holdrege	в	856.0	856.0				
8	115kV:Rokeby Sub-20th & Pioneers	в		1,897.0				
9	115kV:Sheldon - Rokeby	в		4,678.0	5,058.0			
10	345kV: NW68th & Holdrege - NW12th & Arbor	в	8,560.0	4,280.0				
11	345kV: 14th & McKelvie-120th & Amberly	в		3,035.0	5,310.0	2,402.0		
	TOTAL		======== 12,677.0	15,728.0	========= 11,198.0	3,098.0	======== 572.0	581.0
	* Denotes new project							
DATE	SUBMITTED: 02/09/04	DATE	REVISED:		FILE NAME: LES	STD02	Pa	ge M-2 (a)

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(5)	(6)	(7)	(8)	(9)	(10)				(11)			(1)
	COST		TOTAL			соѕт	BREAKDOW	NS FOR SIX	-YEAR EXPE	INDITURES	(000's)	
TOTAL FOR SIX YEARS (000's)	BEYOND 2009-2010 (000's)	PRIOR APPROPRIATIONS (000's) YEAR FS	CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	PRELIM PLANS	FINAL PLANS	LAND ACQUISI- TION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	PROJ. NO.
675.0	0.0	0.0	675.0	GCP	1				675.0			1
487.0	0.0	0.0	487.0	GCP	1				487.0			2
2,665.0	0.0	0.0	2,665.0	GCP	1				2,665.0			3
1,897.0	0.0	1,897.0	3,794.0	GCP	1				1,897.0			4
235.0	0.0	0.0	235.0	GCP	1				235.0			5
963.0	0.0	0.0	963.0	GCP	2				963.0			6
1,712.0	0.0	0.0	1,712.0	GCP	1				1,712.0			7
1,897.0	0.0	0.0	1,897.0	GCP	1				1,897.0			8
9,736.0	0.0	0.0	9,736.0	GCP	1				9,736.0			9
12,840.0	0.0	0.0	12,840.0	GCP	2				12,840.0			10
10,747.0	0.0	0.0	10,747.0	GCP	1				10,747.0			11
			;									
43,854.0	0.0	1,897.0	45,751.0						43,854.0			
												1

FORM A

#### 2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

OGRAM DIVISION:

DIVISION: SUBSTATIONS

(1)	(2)	(3)	3% Inflation	per y			(4)					—
PROJ.		PROJ.			PROGRAMMED E		6 & F	UNDING SOURCES	(FS) (000's)			
NO.	PROJECT TITLE	PRIO.	2004-2005	FS	2005-2006 FS	2006-2007	FS	2007-2008 FS	2008-2009	FS	2009-2010	FS
12	35kV: Sub Misc. Constr/Rebuild	в	263.0		393.0	975.0		1,103.0	94.0		2,751.0	)
13	115kV: Misc Sub Constr/Rebuild	В	1,082.0		566.0	1,405.0		1,549.0	2,009.0		637.0	i -
14	115kV: Sub Sites	A	291.0		71.0	253.0		76.0	78.0		81.0	j.
15	115kV: SONET Node Additions	В	282.0		278.0	73.0		76.0	78.0		81.0	J
16	345kV:Misc Sub Constr/Rebuild	A	130.0		134.0	139.0		143.0	147.0		150.0	,
17	115kV: Rokeby Sub Reconfiguration	В	1,100.0		989.0							
18	115kV:SW27th & F	В	143.0									
19	115kV: 17th & Holdrege Sub	В	1,546.0									
20	115kV:40th & Rokeby	В	1,650.0		220.0							
21	115kV: 84th & Leighton - Add Trf 2	В			1,650.0	220.0						
22	115kV:NW40th & Alvo	В				1,705.0		220.0				
23	115kV:56th & I80 Sub	В							1,760.0		220.0	)
24	161kV:70th & Bluff - Replace T691	В							4,400.0			
25	345kV: Wagener Line Terminal					825.0		1,375.0				
26	345kV: NW68&Holdrege Add Trfr					1,100.0		6,050.0				
	TOTAL		6,487.0		4,301.0	6,695.0			8,566.0		3,920.0	
	* Denotes new project											
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(5)	(6)	(7)	(8)	(9)	(10)				(11)			(1)
	соѕт		TOTAL			COST	BREAKDOW	/NS FOR SIX	-YEAR EXPE	ENDITURES (	(000's)	
TOTAL FOR SIX YEARS (000's)	BEYOND 2009-2010 (000's)	PRIOR APPROPRIATIONS (000's) YEAR FS	CAP COSTS (000's)	COMP PLAN CONFORM	STATUS OF PLANS	PRELIM PLANS	FINAL PLANS	LAND ACQUISI- TION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	PROJ. NO.
5,579.0	0.0	0.0	5,579.0	GCP	1				5,579.0			12
7,248.0	0.0	0.0	7,248.0	GCP	1				7,248.0			13
850.0	0.0	0.0	850.0	GCP	7				850.0			14
868.0	0.0	0.0	868.0	GCP	2				868.0			15
843.0	0.0	0.0	843.0	GCP	2				843.0			16
2,089.0	0.0	0.0	2,089.0	GCP	1				2,089.0			17
143.0	0.0	1,653.0	1,796.0	GCP	1				143.0			18
1,546.0	0.0	189.0	1,735.0	GCP	1				1,546.0			19
1,870.0	0.0	0.0	1,870.0	GCP	1				1,870.0			20
1,870.0	0.0	0.0	1,870.0	GCP	1				1,870.0			21
1,925.0	0.0	0.0	1,925.0	GCP	1				1,925.0			22
1,980.0	0.0	0.0	1,980.0	GCP	1				1,980.0			23
4,400.0	0.0	0.0	4,400.0	GCP	1				4,400.0			24
2,200.0	0.0	0.0	2,200.0	GCP	1				2,200.0			25
7,150.0	0.0	0.0	7,150.0	GCP	1				7,150.0			26
40,561.0	0.0	1,842.0	42,403.0						40,561.0			

FORM A

### 2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

DIVISION: OVERHEAD & UNDERGROUND DISTRIBUTION

(1)	(2)	(3)	3% Inflation p	oer ye	ar	(4)							
					PROGRAMMED E	XPENDITURES & F	UNDING SOURCES	(FS) (000's)					
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2004-2005 F	FS	2005-2006 FS	2006-2007 FS	2007-2008 FS	2008-2009 FS	2009-2010 FS				
	OVERHEAD DISTRIBUTION												
27	Transformers & Meters	A	777.0		799.0	823.0	849.0	874.0	901.0				
28	Extensions	A	316.0		326.0	338.0	349.0	360.0	372.0				
29	Service Area Adjustments: Norris	С	183.0		188.0	193.0	200.0	206.0	212.0				
30	Rebuild/Convert	A	908.0 1,024.0		1,024.0	1,056.0	1,089.0	1,122.0	1,156.0				
31	Relocate	A	491.0		506.0	522.0	539.0	555.0	572.0				
32	Feeders & Capacitors	A	460.0		320.0	330.0	340.0	350.0	360.0				
33	35kV Construction	A	120.0		128.0	152.0	158.0	162.0	167.0				
	 TOTAL		3,255.0	-	3,291.0	3,414.0	3,524.0	3,629.0	3,740.0				
	UNDERGROUND DISTRIBUTION												
									1				
34	Transformers	A	1,476.0		1,520.0	1,565.0	1,612.0	1,660.0	1,709.0				
35	Extensions	A	4,620.0		4,758.0	4,901.0	5,046.0	5,198.0	5,355.0				
36	Rebuild/Convert	A	2,081.0		2,619.0	2,660.0	3,064.0	3,467.0	3,568.0				
37	Relocate	A	1,147.0		1,123.0	1,157.0	1,192.0	1,229.0	1,267.0				
38	Feeders & Capacitors	A	1,428.0		1,472.0	1,516.0	1,562.0	1,607.0	1,655.0				
39	35kV Construction	A	120.0		128.0	152.0	158.0	162.0	167.0				
	TOTAL		10,872.0	=	11,620.0	======== 11,951.0	12,634.0	13,323.0					
	* Denotes new project												
	SUBMITTED: 02/09/04	DATE	REVISED:			FILE NAME: LES	STD04	Pag	ge M-4 (a)				

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											FORM B	
(5)	(6)	(7)	(8)	(9)	(10)				(11)			(1)
	COST		TOTAL			COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
TOTAL FOR	BEYOND	PRIOR	CAP COSTS	COMP	STATUS			LAND			· ·	
SIX YEARS (000's)	2009-2010 (000's)	APPROPRIATIONS (000's) YEAR FS	(000's) (5)+(6)+(7)	PLAN CONFORM	OF PLANS	PRELIM PLANS	FINAL PLANS	ACQUISI- TION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	PROJ NO.
5,023.0	0.0	0.0	5,023.0	GCP	1				5,023.0			27
2,061.0	0.0	0.0	2,061.0	GCP	1				2,061.0			28
1,182.0	0.0	0.0	1,182.0	GCP	1				1,182.0			29
6,355.0	0.0	0.0	6,355.0	GCP	1				6,355.0			30
3,185.0	0.0	0.0	3,185.0	GCP	1				3,185.0			31
2,160.0	0.0	0.0	2,160.0	GCP	1				2,160.0			32
887.0	0.0	0.0	887.0	GCP	1				887.0			33
20,853.0	0.0	0.0	20,853.0						20,853.0			
9,542.0	0.0	0.0	9,542.0	GCP	1				9,542.0			34
29,878.0	0.0	0.0	29,878.0	GCP	1				29,878.0			35
17,459.0	0.0	0.0	17,459.0	GCP	1				17,459.0			36
7,115.0	0.0	0.0	7,115.0	GCP	1				7,115.0			37
9,240.0	0.0	0.0	9,240.0	GCP	1				9,240.0			38
887.0	0.0	0.0	887.0	GCP	1				887.0			39
74,121.0	0.0	0.0	74,121.0						74,121.0			
							I	1	1		Page M-4	(b)

**DEPARTMENT:** LINCOLN ELECTRIC SYSTEM

FORM A

2004 -	2010 CAPITAL IMPROVEMENT PROGRAM		DIVISION:	WAVERLY & STRE				FORMA
(1)	(2)	(3)	3% Inflation per y	vear	(4)			
				PROGRAMMED E	XPENDITURES & F	UNDING SOURCES	(FS) (000's)	1
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2004-2005 FS	2005-2006 FS	2006-2007 FS	2007-2008 FS	2008-2009 FS	2009-2010 FS
	WAVERLY							
40	Overhead Distribution	A	8.0	10.0	10.0	10.0	10.0	13.0
41	Underground Distribution	A	67.0	70.0	73.0	82.0	85.0	85.0
42	Street Light	A	4.0	5.0	5.0	6.0	6.0	6.0
	TOTAL			85.0	======= 88.0	 98.0		
	STREET LIGHT							
43	New Construction	A	123.0	126.0	130.0	134.0	138.0	142.0
44	Ornamental Lighting Districts	A	66.0	68.0	71.0	73.0	76.0	78.0
45	City Projects	A	3,412.0	1,617.0	2,131.0	1,612.0	1,627.0	2,138.0
46	Rebuild	A	474.0	489.0	449.0	463.0	477.0	494.0
47	Relocation	A	138.0	142.0	147.0	152.0	157.0	162.0
48	Other	A	37.0	38.0	40.0	42.0	43.0	44.0
	TOTAL		4,250.0	2,480.0	2,968.0	2,476.0	2,518.0	3,058.0
	* Denotes new project							
DATE	SUBMITTED: 02/09/04	DATE	REVISED:		FILE NAME: LES	STDO5	Pag	ge M-5 (a)

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i												
(5)	(6)	(7)	(8)	(9)	(10)	(11)						(1)
TOTAL FOR	COST BEYOND	PRIOR	TOTAL CAP COSTS	СОМР	STATUS	COST	BREAKDOW		-YEAR EXPE	PENDITURES (000's)		
SIX YEARS		APPROPRIATIONS	(000's)	PLAN	OF	PRELIM	FINAL	LAND ACQUISI-		EQUIP /	OTHER	PRO
(000's)	(000's)	(000's) YEAR F	S (5)+(6)+(7)	CONFORM	PLANS	PLANS	PLANS	TION	CONST	FURNISH	(EXPLAIN)	NO
61.0	0.0	0.0	61.0	GCP	1				61.0			40
462.0	0.0	0.0	462.0	GCP	1				462.0			41
32.0	0.0	0.0	32.0	GCP	1				32.0			42
 555.0	.0.0	0.0	555.0						555.0			
793.0	0.0	0.0	793.0	GCP	1				793.0			43
432.0	0.0	0.0	432.0	GCP	1				432.0			44
12,537.0	0.0	0.0	12,537.0	GCP	1				12,537.0			45
	0.0		12,00710	001					12,00110			
2,846.0	0.0	0.0	2,846.0	GCP	1				2,846.0			46
898.0	0.0	0.0	898.0	GCP	1				898.0			47
244.0	0.0	0.0	244.0	GCP	1				244.0			48
17,750.0	0.0	0.0	17,750.0						17,750.0			
								1				1

FORM A

2004 -	2010 CAPITAL IMPROVEMENT PROGRAM		DIVISION:	POWER SUPPLY &	COMMUNICATION			FORMA				
(1)	(2)	(3)	3% Inflation per	year	(4)							
		222		PROGRAMMED E	XPENDITURES & FUNDING SOURCES (FS) (000's)							
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2004-2005 FS	2005-2006 FS	2006-2007 FS	2007-2008 FS	2008-2009 FS	2009-2010 FS				
	POWER SUPPLY											
49	Laramie River Station	В	375.0	707.0	3,093.0	3,412.0	2,404.0	541.0				
50	Local Generation Upgrades	В	2,520.0	2,520.0	2,646.0	2,646.0	2,772.0	2,835.0				
51	SVGS Spare Engine	A	0.0	6,065.0	0.0	0.0	0.0	0.0				
52	Council Bluffs No. 4	С	55,845.0	25,062.0	30,137.0	0.0	0.0	0.0				
53	Renewable No. 3	в	1,565.0	0.0	0.0	0.0	0.0	0.0				
			=========	========	========	=========	=======================================	=======================================				
	TOTAL		60,305.0	34,354.0	35,876.0	6,058.0	5,176.0	3,376.0				
	COMMUNICATION											
54	Connections to the Fiber Optic System	в	500.0	500.0	500.0	500.0	500.0	500.0				
	TOTAL		======== 500.0	500.0	500.0	500.0	500.0	======================================				
	* Denotes new project											
DATE	SUBMITTED: 02/09/04	DATE	REVISED:	1	FILE NAME: LES	STD06	Paç	je M-6 (a				

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(5)	(6)	(7)	(8)	(9)	(10)				(11)			(1
	COST		TOTAL			COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
OTAL FOR	BEYOND	PRIOR	CAP COSTS	СОМР	STATUS	0001		LAND				_
SIX YEARS		APPROPRIATIONS	(000's)	PLAN	OF	PRELIM	FINAL	ACQUISI-		EQUIP /	OTHER	PR
(000's)	(000's)	(000's) YEAR FS	(5)+(6)+(7)	CONFORM	PLANS	PLANS	PLANS	TION	CONST	FURNISH	(EXPLAIN)	N
10,532.0			10,532.0	GCP	1				10,532.0			4
15,939.0			15,939.0	GCP	1				15,939.0			5
6,065.0			6,065.0	GCP	8				6,065.0			5
111,044.0		41,000.0	152,044.0	GCP	1				111,044.0			5
1,565.0			1,565.0	GCP	2				1,565.0			5
	========	========	=========						=======			
145,145.0	0.0	41,000.0	186,145.0						145,145.0			
3,000.0			3,000.0	GCP	1				3,000.0			5
			:						;			
3,000.0	0.0	0.0	3,000.0						3,000.0			

