Capital Improvement Program

FY 2022/23 — 2027/28





Project Title	202	22/2023	20	23/2024	20	024/2025	20	25/2026	20	26/2027	20	27/2028	6 y	r Total
G:Communications	\$	630,000	·	-	\$	-,	-		\$	275,000	\$	275,000	\$	1,630,000
G:Meters	\$	1,500,000	\$	10,000,000	\$	10,000,000	\$	10,000,000	\$	5,000,000	\$	2,500,000	\$	39,000,000
G:Service Center Facility Equipment Upgrades	\$	2,000,000	\$	5,000,000	\$	5,000,000	\$	-	\$	-	\$	-	\$	12,000,000
L:Misc Ongoing Lighting Projects	\$	23,000	\$	24,000	\$	25,000	\$	26,000	\$	27,000	\$	28,000	\$	153,000
O:Extensions	\$	188,000	\$	194,000	\$	200,000	\$	206,000	\$	212,000	\$	218,000	\$	1,218,000
O:Major Circuits	\$	350,000	\$	361,000	\$	372,000	\$	383,000	\$	394,000	\$	405,000	\$	2,265,000
O:Rebuilds	\$	3,615,000	\$	2,562,000	\$	2,640,000	\$	2,720,000	\$	2,802,000	\$	2,886,000	\$	17,225,000
O:Relocations	\$	55,000	\$	56,000	\$	57,000	\$	58,000	\$	59,000	\$	60,000	\$	345,000
O:Service Area Adjustments	\$	-	\$	1,000,000	\$	-	\$	-	\$	-	\$	-	\$	1,000,000
O:Transformers	\$	600,000	\$	600,000	\$	618,000	\$	200,000	\$	206,000	\$	212,000	\$	2,436,000
P:Laramie River Station	\$	5,000,000	\$	3,500,000	\$	2,500,000	\$	3,250,000	\$	2,500,000	\$	5,000,000	\$	21,750,000
P:Local Generation Rokeby Environmental, Regulatory & Safety	\$	250,000	\$	255,000	\$	250,000	\$	300,000	\$	325,000	\$	325,000	\$	1,705,000
P:Local Generation TBGS Environmental,					H									
Regulatory & Safety	\$	235,000	\$	245,000	\$	250,000	\$	300,000	\$	325,000	\$	325,000	\$	1,680,000
P:Misc Environmental, Safety, Security, &					H									
Efficiency	\$	3,500,000	\$	3,600,000	\$		\$		\$	4,000,000	\$	4,000,000	\$	22,600,000
P:Power Supply Sites	\$	1,000,000	\$	-	\$		·		\$	250,000	•	-	\$	1,750,000
P:Walter Scott Energy Center #4	\$	1,250,000	\$	3,000,000	\$		\$	1,550,000	\$	1,500,000	\$	4,000,000	\$	12,900,000
S:105th & Pioneers Substation	\$	-	\$	-	\$		\$			-	\$	-	\$	4,654,000
S:134th & Highway 6 Replace Transformer	\$	-	\$	-	\$		\$		\$	75,000	\$	1,610,000	\$	1,685,000
S:17th & Holdrege Transformer #2	\$	-	\$	-	\$		\$		\$	1,378,000	\$	1,762,000		3,204,000
S:20th & Pioneers Replace Transformer	\$	-	\$	-	\$		\$	-	\$	-	\$	1,064,000	\$	1,064,000
S:27th & Fletcher Add Transmission Breaker	\$	-	\$	-	\$	-	\$	-	\$	100,000	\$	294,000	\$	394,000
S:30th & A Replace Transformer	\$	981,000	\$	2,290,000			\$	-	\$	-	\$	-	\$	3,271,000
S:3rd & Van Dorn Add Transmission Breaker	\$	-	\$	100,000	\$	550,000	\$		\$	-	\$	-	\$	650,000
S:40th & Gertie Replace Transformer	\$	1,549,000	\$	1,982,000	\$	-	\$	-	\$	-	\$	-	\$	3,531,000
S:56th & Everett Replace Transformer	\$	-	\$	67,000	\$	1,450,000	\$	1,855,000	\$	-	\$	-	\$	3,372,000
S:56th & Q Replace Transformer	\$	-	\$	1,540,000	\$	3,594,000	\$	-	\$	-	\$	-	\$	5,134,000
S:57th & Garland Replace Transformer	\$	2,153,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	2,153,000
S:70th & Bluff Replace Transformer	\$	-	\$	-	\$	-	\$		\$	1,732,000	\$	-	\$	2,309,000
S:8th & N Replace Transformer	\$	142,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	142,000
S:91st & A Replace Transformer	\$	-	\$	-	\$	-	\$	-	\$	964,000	\$	5,461,000	\$	6,425,000
S:Misc Ongoing Construction	\$	308,000	\$	278,000	\$			294,000	\$	303,000	\$	312,000	\$	1,781,000
S:NW56th & Morton Substation	\$	-	\$	-	\$	101,000	\$	2,168,000	\$	2,773,000	\$	-	\$	5,042,000
S:Substation Sites	\$	200,000	\$	206,000	\$	212,000	\$	218,000	\$	225,000	\$	232,000	\$	1,293,000
S:SW27th & F Add Transmission Breaker	\$	-	\$	-	\$	25,000	\$	525,000	\$	-	\$	-	\$	550,000
S:West Lincoln Site Remediation	\$	-	\$	-	\$	-	\$	-	\$	-	\$	500,000	\$	500,000
T: 56th, Q - Everett	\$	-	\$	-	\$	-	\$	-	\$	82,000	\$	27,000	\$	109,000
T:128th & Pioneers - 103rd & Rokeby	\$	-	\$	-	\$	113,000	\$	38,000	\$	2,156,000	\$	825,000	\$	3,132,000
T:56th & Everett - Elkcrest / Rebuild L1189T	\$	30,000	\$	1,825,000	\$	688,000	\$	-	\$	-	\$	-	\$	2,543,000
T:56th, Garland - Q	\$	-	\$	-	\$	-	\$	-	\$	-	\$	82,000	\$	82,000
T:Bennet - Martell	\$	-	\$	-	\$	-	\$	65,000	\$	22,000	\$	1,156,000	\$	1,243,000
T:Martell - Stagecoach	\$	106,000	\$	35,000	\$	1,875,000	\$	702,000	\$	-	\$	-	\$	2,718,000
T:Misc. Construction/Rebuild	\$	350,000	\$	350,000	\$	350,000	\$	350,000	\$	350,000	\$	350,000	\$	2,100,000
T:Right-of-Way/Easements	\$	100,000	\$	100,000	\$	100,000	\$	200,000	\$	200,000	\$	200,000	\$	900,000
T:Stagecoach - Princeton	\$	-	\$	65,000	\$	22,000	\$	1,873,000	\$	703,000	\$	-	\$	2,663,000
U:Extensions	\$	4,879,000	\$	5,026,000	\$	5,177,000	\$	5,331,000	\$	5,490,000	\$	5,655,000	\$	31,558,000
U:Major Circuits	\$	2,546,000	\$	2,209,000	\$	1,246,000	\$	1,284,000	\$	1,323,000	\$	1,913,000	\$	10,521,000
U:Rebuilds	\$	3,964,000	\$	4,142,000	\$	3,263,000	\$	1,083,000	\$	1,114,000	\$	1,146,000	\$	14,712,000
U:Relocations	\$	4,011,000	\$	5,522,000	\$	5,789,000	\$	4,192,000	\$	3,391,000	\$	3,650,000	\$	26,555,000
U:Transformers	\$	1,600,000	\$	1,648,000	\$	1,697,000	\$	1,748,000	\$	1,800,000	\$	1,854,000	\$	10,347,000
W:OH Distribution - Waverly	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	60,000
W:Street Light - Waverly	\$	11,000	\$	11,000	\$	11,000	\$	11,000	\$	11,000	\$	11,000	\$	66,000
W:UG Distribution - Waverly	\$	105,000	\$	690,000	\$	105,000	\$	105,000	\$	105,000	\$	105,000	\$	1,215,000
	\$	43,241,000	\$	58,493,000	\$	55,997,000	\$	48,969,000	\$	42,182,000	\$	48,453,000	\$	297,335,000
Departmental Totals:														
	203	22/2023	20	23/2024	20	124/2025	20	025/2026	20	26/2027	20	27/2028	61	vr Total
Fund Source LES Revenue		22/2023 43.241.000	_	23/2024 58 493 000	-	0 24/2025 55,997,000		025/2026 48.969.000		26/2027 42,182,000		27/2028 48,453,000	_	r Total 297,335,000

Project:	G:Communications								
Description	on:								
This proje	ect includes various communica	tion projects t	hat are requi	ed to enhance	Budget Outco	ome:	Strong and I	Resilient City	
customer	service and system reliability.	These include	, but are not I	imited to,	Date Anticipa	ated:	NA		
fiber rout	e installations, radio, and othe	r types of com	munications e	equipment.	Rating:				
					Status:		Ongoing		
					Comp Plan Co	onformity:	Generally Co	onforms with	
	Prior Appropriations:	X							
6 yr appro	priations								
Funding S	Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>	
LES Rever	nue	\$ 630,000	\$ -	\$ 225,000	\$ 225,000	\$ 275,000	\$ 275,000	\$ 1,630,000	
6 yr estim	ated cost by activity								
Activity ty	ype	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Im	nprovements	х		х	х	Х	Х		

Project: G:Meters											
Description:											
This project includes the purchase of va-	rious types of p	electric	Budget Outco	ome:	Innovative and						
meters for all classes of LES customers in			Operationally Excellent								
industrial. In 2022, LES will continue to e	Date Anticipa	ated:	NA								
throughout the service territory. We are	our metering	Rating:		Α							
roadmap and plan to further evaluate ac		Status:		Ongoing							
metering. Enhancements to our enterpr will likely be required.	l communicati	ons network	Comp Plan Co	onformity:	Generally C Plan	onforms with					
Prior Appropriations:	Х										
6 yr appropriations											
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total				
LES Revenue	\$ 1,500,000	\$10,000,000	\$ 10,000,000	\$10,000,000	\$5,000,000	\$2,500,000	\$39,000,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					
Capital Improvements	x	х	x	х	х	х					

Project:	Project: G:Service Center Facility Equipment Upgrades												
Description	Description:												
Design an	d construction of major facility	equipment up	Walter A.	Budget Outc	ome:	Strong and Resilient C							
Canney Se	ervice Center. Updates include,	Date Anticipa	ated:	12/31/2025									
electrical,	mechanical, and HVAC system	Rating:		В									
with more	e efficient and serviceable equi		Status:		New								
					Comp Plan Conformity: Generally Conforms w								
							Plan						
	Prior Appropriations:												
6 yr appro	priations												
Funding S	ource	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total					
LES Reven	iue	\$ 2,000,000	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$12,000,000					
6 yr estim	ated cost by activity												
Activity ty	rpe	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital Im	Capital Improvements x x x												

Project: L:Misc Ongoing Lighting Projects											
Description:											
SECURITY LIGHTS Security lighting provid	es for lighting	of private pro	operty, as	Budget Outco	ome:	Safe and He	althy City				
requested by customers, for which they	are charged a		Date Anticipa	ated:	NA						
			Rating:		В						
COUNTY STREET LIGHTS This budget item provides for street light facilities for Status: Ongoing											
Lancaster County roads. LES accounts for Lincoln street light facilities.	=	=		Comp Plan Co	onformity:	Generally Co	onforms with				
Prior Appropriations:	Х										
6 yr appropriations											
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total				
LES Revenue	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 153,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					

Project: O:Extensions								
Description:								
RESIDENTIAL EXTENSIONS: The resident	ial extension i	tem provides	for the	Budget Outco	ome:	Strong and Resilient City		
addition of overhead primary (12,500 vo	olt) and second	lary lines (low	voltage) to	Date Anticipa	ated:	NA		
new residential customers or to existin	Rating:		Α					
This item also covers removal of existing	g overhead fac	cilities when a	service is	Status:		Ongoing		
converted to underground. Most new so underground. COMMERCIAL/INDUSTRIAL: A commercion overhead primary, secondary, or service existing customer for increased load, we industrial.	xtension is th new custome	e addition of er or to an	Comp Plan Co	ontormity:	Plan	onforms with		
Prior Appropriations:	X							
Prior Appropriations: 6 yr appropriations	X							
	X 2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>	
6 yr appropriations		2023/2024 \$ 194,000			2026/2027 \$ 212,000		6 yr Total \$ 1,218,000	
6 yr appropriations Funding Source	2022/2023							
6 yr appropriations Funding Source LES Revenue	2022/2023							

Project: O:Major Circuits								
Description:								
FEEDERS This item provides for ongoing of	onstruction o	of new overhe	ad 12kV and	Budget Outco	ome:	Strong and I	Resilient City	
35kV feeders (main distribution circuits).	Reconductor	ring of existing	g overhead	Date Anticipa	ated:	NA		
feeders for capacity requirements and th	feeders for capacity requirements and the installation of 600 amp disconnect							
switches for manual or automated sectio	Status:		Ongoing					
Distribution feeder conductors are econd	Comp Plan Co	onformity:	Generally C	onforms with				
cycle cost of electrical losses. This allows	LES to impro	ve automated	l voltage/VAR			Plan		
control and install higher capacity lines w								
use and reduction of greenhouse gasses)								
for customers.		Ü						
CAPACITORS This item provides for the in	nstallation of	overhead pol	e-mounted					
distribution capacitor banks. Capacitors a	re used for p	ower factor co	orrection on					
the distribution system. These capacitors	provide mor	e economical	operation and					
reduced greenhouse gases by reducing u	nmetered ele	ectric losses ir	n the					
distribution and transmission system. Th	ey also provid	de needed vo	Itage support					
at peak load conditions.								
Prior Appropriations:	Х							
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total	
LES Revenue	\$ 350,000	\$ 361,000	\$ 372,000	\$ 383,000	\$ 394,000	\$ 405,000	\$ 2,265,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements	X	X	x	X	X	X		

Project: O:Rebuilds											
Description:											
Replacement or removal of deteriorated	Replacement or removal of deteriorated (or otherwise obsolete) overhead										
facilities. Some rebuild work will be asso	Date Anticipa	ited:	NA								
Rebuild work will also be required on joi	Rating:		Α								
We will also annually test and treat pole	s with preser	nd their life.	Status:		Ongoing						
Prior Appropriations:	V			Comp Plan Co	onformity:	Generally Conforms with Plan					
Prior Appropriations:	X										
6 yr appropriations											
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>				
LES Revenue	\$ 3,615,000	\$ 2,562,000	\$ 2,640,000	\$ 2,720,000	\$2,802,000	\$2,886,000	\$17,225,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					
Capital Improvements	Х	Х	х	Х	х	Х					

Project: O:Relocations														
Description:														
Relocation of existing overhead distribu	tion fa	cilities.	This i	tem also	include	es the	Budg	et Outco	me:		Stro	ng and I	Resil	ient City
overhead portion of an overhead-to-und	und relo	ocatio	n projec	t. Reloc	ations	Date	Anticipa	ited:		NA				
are generally requested for federal, state	nty, or o	city go	vernme	ntal age	ncies	Ratin	ıg:			Α				
for road widening, sewer construction, etc. Customers also request relocation Status: Ongoing														
work for various projects. An "aid-to-construction", based on cost to LES, is usually required for these projects.					etterme	nt	Com	p Plan Co	onfo	rmity:	Gen Plar	•	onfo	rms with
Prior Appropriations:		X												
6 yr appropriations														
Funding Source	2022/	<u> 2023</u>	2023/	<u> 2024</u>	2024/20) <u>25</u>	2025	/202 <u>6</u>	2026	5/2027	202	7/2028	6 yr	Total
LES Revenue	\$	55,000	\$	56,000	\$!	57,000	\$	58,000	\$	59,000	\$	60,000	\$	345,000
6 yr estimated cost by activity														
Activity type	2022/	2023	2023/	<u> 2024</u>	2024/20) <u>25</u>	2025	/2026	2026	5/2027	202	7/2028		
Capital Improvements		х		x	×	(х		х		x		

Project: O:Service Area Adjustments											
Description:											
LES and Norris have entered into a Join	t Planning Agr	eement. The a	greement calls	Budget Outc	ome:	Strong and Resilient City					
for the planning in a Joint Planning Are	Date Anticipa	ated:	NA								
from Norris to LES as required to keep a	Rating:		С								
area. These adjustments will provide a			Status:		Ongoing						
planning for infrastructure in these are Prior Appropriations:	Comp Plan C	onformity:	Generally Conforms with Plan								
6 yr appropriations	X										
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total				
LES Revenue	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					
Capital Improvements		х									

Project: O:Transformers											
Description:											
Installation of overhead distribution tran	nsformers to s	d and to	Budget Outco	ome:	Strong and Resilient City						
replace old, deteriorated transformers. I	Date Anticipa	ated:	NA								
distribution transformers from the syste	Rating:		Α								
distribution transformers are economically evaluated including the life-cycle cost Status: Ongoing											
of electrical losses. This allows LES to pullower electrical losses (lower energy use while maintaining lowest overall cost for	Comp Plan Co	onformity:	Generally Conforms with Plan								
Prior Appropriations:	X										
6 yr appropriations											
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>				
LES Revenue	\$ 600,000	\$ 600,000	\$ 618,000	\$ 200,000	\$ 206,000	\$ 212,000	\$ 2,436,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					
Capital Improvements	Х	X	х	X	x	х					

Project: P:Laramie River Station									
Description:									
LES' share of anticipated annual capital e	expenditures f	or the Larami	e River Station	Budget Outco	me:	Strong and F	Resilient City		
(LRS), a three-unit 1670 MW plant. The L	RS facility con	sistently ranks	s among the	Date Anticipa	ited:	NA			
lowest cost generating stations in the U	Rating:		Α						
result of efficient and effective design a	Status:		Ongoing						
facility systems. The plant's facilities are	Comp Plan Co	onformity:	Generally Co	onforms with					
compliance with all environmental and	other regulato	ry requireme	nts. The plant			Plan			
just completed installation of the new NOx emissions control systems on all three									
units. After 40 years of operation, the system is beginning to show its age. This									
fact, coupled with technological advance	es, is cause for	additional in	vestments in						
the Plant. A number of significant plant	improvement	are scheduled	d for the 2022						
through 2028-time frame, including upg	rades which w	ill improve pl	ant efficiency,						
reliability, as well as reduce environmen	ntal impacts. N	/lajor projects	include:						
upgrading multiple electrical distributio	n systems, 345	kV substatio	n equipment						
upgrades and remediation of coal storage	ge ponds (insta	alling better p	ond liners).						
Prior Appropriations:	X								
6 yr appropriations									
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>		
LES Revenue	\$ 5,000,000	\$ 3,500,000	\$ 2,500,000	\$ 3,250,000	\$2,500,000	\$5,000,000	\$21,750,000		
6 yr estimated cost by activity					ı	1			
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028			
Other Services & Charges	х	х	X	Х					

Descripti	ion:								
This item	n covers a variety of projects at	local gas fired	power plants	: Rokeby	Budget Outco	ome:	Strong and Resilient		
Station a	and J Street Station. These plan	t improvemen	es are	Date Anticipa	ated:	NA			
necessar	y to maintain the operating re	liability, efficie	et economics	Rating:		В			
	critical generating assets. Esti	• •	•		Status:		Ongoing		
expendit	tures.			Comp Plan Co	onformity:	Generally Conforms wi Plan			
	Prior Appropriations:	X							
6 yr appr	Prior Appropriations:	X							
6 yr appr	opriations	X 2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total	
	opriations Source		2023/2024 \$ 255,000					T	
Funding LES Reve	opriations Source	2022/2023						6 yr Total \$ 1,705,000	
Funding LES Reve	Source nue nated cost by activity	2022/2023							

Project:	roject: P:Local Generation TBGS Environmental, Regulatory & Safety											
Description:												
This item	This item addresses a variety of projects at the Terry Bundy Generating Station. Budget Outcome: Strong and Resilient City											
These plant improvements and upgrades are necessary to maintain operating Date Anticipated: NA												
reliability, efficiency and market economics for these critical generating assets. Rating:												
Estimate	s are based on historical expend	litures.					Stat	us:			Ongoing	
Estimates are based on instance expenditures.							Con	np Plan Co	onfo	rmity:	Generally Plan	Conforms with
	Prior Appropriations:	Х										
6 yr appro	opriations											
Funding S	Source	2022/2023	202	3/2024	2024	/2025	202	5/2026	202	6/2027	2027/2028	6 yr Total
LES Reve	nue	\$ 235,000	\$	245,000	\$	250,000	\$	300,000	\$	325,000	\$ 325,000	\$ 1,680,000
6 yr estin	nated cost by activity											
Activity t	ype	2022/2023	202	<u>3/2024</u>	2024	<u>/2025</u>	202	5/202 <u>6</u>	202	6/2027	2027/2028	
Other Se	Other Services & Charges x x x x x x x											

Project: P:Misc Environmental, Safety,	Security, & Ef	ficiency							
Description:									
Provides for both planned and unanticip	ated capital e	xpenditures i	mposed by	Budget Outco	ome:	Strong and I	Strong and Resilient City		
regulatory or operational requirements,	equipment u	pgrades or to	address	Date Anticipa	ated:	NA			
critical safety issues. Based on operating	Rating:		В						
(SPP) Integrated Market (IM), LES' local g	Status:		Ongoing						
level of required performance and avail	Comp Plan Co	onformity:	Generally C	onforms with					
Market, it will be critical to maintain the			Plan						
level. Changing environmental regulation									
require unit modifications. Physical and	•	_							
and associated control systems have bee		•							
investments. It is anticipated the securit	•		•						
NERC, FERC and Homeland Security will	•	•							
to improve plant performance is also con			ent applaacs						
to improve plant performance is also con	vereu iii tiiis ii	leiii.							
Prior Appropriations:	X								
6 yr appropriations									
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total		
LES Revenue	\$ 3,500,000	\$ 3,600,000	\$ 3,700,000	\$ 3,800,000	\$4,000,000	\$4,000,000	\$22,600,000		
6 yr estimated cost by activity									
Activity type	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028				
Other Services & Charges	х	x	х	х	X	х			

Project: P:Power Supply Sites												
Description:												
Real property acquisitions for new, and e	expansion of e	existing, gene	ration related	Budget Outco	ome:	Strong and I	Resilient City					
sites as required for supporting continue	ated:	NA										
operation. Rating: B												
			Status:		New							
			Comp Plan Co	onformity:	Generally C Plan	onforms with						
Prior Appropriations:												
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Revenue	\$ 1,000,000	\$ -	\$ 500,000	\$ -	\$ 250,000	\$ -	\$ 1,750,000					
6 yr estimated cost by activity												
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital Improvements x x x												

Project: P:Walter Scott Energy Center #4												
Description:												
Ongoing capital investments in LES' new	Ongoing capital investments in LES' newest base load power plant. LES is											
responsible for a 100 MW (12.76%) share	Date Anticipa	ited:	NA									
WSEC #4 uses a high efficiency, super crit	Rating:		Α									
emissions control systems, which signific	Status:		Ongoing									
emissions, compared to standard coal plainvestments will be required to maintain economics. Major projects include a was upgrades.	Comp Plan Conformity:		Generally Conforms wi									
Prior Appropriations:	Х											
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Revenue	\$ 1,250,000	\$ 3,000,000	\$ 1,600,000	\$ 1,550,000	\$1,500,000	\$4,000,000	\$12,900,000					
6 yr estimated cost by activity												
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Other Services & Charges	Х	Х	x	X	x	Х						

Project: S:105th & Pioneers Substation												
Description:												
Add a 115-12kV, 36 MVA transformer and	ome:	Strong and Resilient C										
substation at 105th & Pioneers. This sub	Date Anticipa	ated:	12/31/2026									
support future growth in southeast Linco	oln as well as	pport to the	Rating:		В							
91st & Hwy 2 and 81st & Old Cheney Sub	stations.			Status:		Continued						
			Comp Plan Co	onformity:	Generally C Plan	onforms with						
Prior Appropriations:												
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total					
LES Revenue	\$ -	\$ -	\$ 1,396,000	\$ 3,258,000	\$ -	\$ -	\$ 4,654,000					
6 yr estimated cost by activity												
Activity type	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028							
Capital Improvements		х	х									

Project: S:134th & Highway 6 Replace Transformer												
Description:												
Replace the existing 115/12kV, 22.4 MVA	transformer	(T831) with a	new 36 MVA	Budget Outco	ome:	Strong and Resilient City						
transformer. Transformer T831 was manu	ufactured in 1	1971, and will l	be 58 years old	Date Anticipa	ated:	12/31/2029						
in 2029. LES assumes an average life of 5	5 years for po	ners in	Rating:		В							
accordance with the Substation Transfor	Status:		New									
provide additional capacity for the City of	ncoln.	Comp Plan Co	onformity:	Generally C	onforms with							
Currently, there are no indications of im	minent failur	e of the unit.	LES will			Plan						
continue to monitor the transformer tes	t data and ma	y adjust the re	eplacement									
order and schedule.												
Prior Appropriations:												
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total					
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$1,610,000	\$ 1,685,000					
6 yr estimated cost by activity												
Activity type	2023/2024	2024/2025	2025/2026 2026/2027		2027/2028							
Capital Improvements					х	х						

Project:	S:17th & Holdrege Transforme	er #2							
Descriptio	n:								
Add a 115-	-12kV, 36 MVA transformer an	d associated s	witchgear at tl	ne existing	Budget Outco	ome:	Strong and Resilient Cit		
17th & Hol	Idrege Substation. This capacit	y addition wil	vth at	Date Anticipa	ated:	12/31/2028			
University	of Nebraska (City Campus), re	search corrido	oraska	Rating:		В			
Innovation	n Campus.			Status:		Continued			
				Comp Plan Co	onformity:	Generally C Plan	onforms with		
	Prior Appropriations:								
6 yr appro	priations								
Funding So	ource	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>	
LES Reven	ue	\$ -	\$ -	\$ -	\$ 64,000	\$1,378,000	\$1,762,000	\$ 3,204,000	
6 yr estima	ated cost by activity								
Activity ty	pe	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028			
Capital Im	provements			х	х	х			

Project: S:20th & Pioneers Replace Tra	nsformer						
Description:							
Replace the existing 115/12kV, 28 MVA	transformer (T381) with a n	ew 36 MVA	Budget Outc	ome:	Strong and I	Resilient City
transformer and 12kV switchgear. Trans	former T381 v	ured in 1970,	Date Anticip	ated:	12/31/2029		
and will be 59 years old in 2029. LES assu	ears for power	Rating:		В			
transformers in accordance with the Sul	station Trans	cement	Status:		New		
Study. It will also provide additional cap	S	Comp Plan C	onformity:	Generally C	onforms with		
Substation. Currently, there are no indic	ations of imr	of the unit. LES			Plan		
will continue to monitor the transforme	r test data an	d may adjust t	the				
replacement order and schedule.		, -					
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,064,000	\$ 1,064,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements						Х	

Project: S:27th & Fletcher Add Transmi	ssion Breakei	ſ						
Description:								
An LES sub-group evaluated existing two	o-terminal "ta	p" distributio	n substations	Budget Outco	ome:	Strong and Resilient City		
to identify locations that would experien	to identify locations that would experience a significant increase in reliability by							
adding a transmission breaker. This site	Rating:		В					
that evaluation in terms of benefit vs. co	Status:		NA					
project will install a 115kV transmission	Comp Plan C	onformity:	Generally C	onforms with				
transmission system. Adding a breaker v	vill allow for	to re-energize			Plan			
all transformers quickly in the event of a	transmission	n fault. The de	sign standard					
for new two-terminal distribution substa	ations now in	cludes a trans	mission					
breaker to increase reliability.								
Prior Appropriations:								
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total	
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 294,000	\$ 394,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements					х	х		

Project: S:30th & A Replace Transforme	er							
Description:								
Replace the existing 115/12kV, 45 MVA t	ransformer (T	521) with a ne	ew 36 MVA	Budget Outc	ome:	Strong and Resilient Ci		
transformer and 12kV switchgear. Transf	red in 1978,	Date Anticipa	ated:	12/31/2024				
and will be 46 years old in 2024. LES assu	Rating:		В					
transformers accordance with the Subst	nent	Status:		Continued				
Study. However, this unit was identified	as one of the	ormers to be	Comp Plan C	onformity:	Generally C	Conforms with		
considered for replacement based on he		•				Plan		
Substation's annual assessment.	. ,							
Prior Appropriations:								
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total	
LES Revenue	\$ 981,000	\$ 2,290,000	\$ -	\$ -	\$ -	\$ -	\$ 3,271,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements	х	х						

Project: S:3rd & Van Dorn Add Transmis	ssion Breaker						
Description:							
An LES sub-group evaluated existing two	o-terminal "ta	p" distributior	n substations	Budget Outc	ome:	Strong and	Resilient City
to identify locations that would experien	Date Anticip	ated:	12/31/2025				
adding a transmission breaker. This site	Rating:		В				
that evaluation in terms of benefit vs. co	Status:		New				
project will install a 115kV transmission	Comp Plan C	onformity:	Generally C	onforms with			
transmission system. Adding a breaker v	vill allow for a	auto-isolation	to re-energize			Plan	
all transformers quickly in the event of a			_				
for new two-terminal distribution substa			· ·				
breaker to increase reliability.							
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ 100,000	\$ 550,000	\$ -	\$ -	\$ -	\$ 650,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements		х	х				

Project: S:40th & Gertie Replace Trans	former						
Description:							
Replace the existing 115-12kV, 28 MVA	transformer (T	581) with a ne	w 36 MVA	Budget Outco	ome:	Strong and	Resilient City
transformer and 12kV switchgear. Trans	former T581 w	as manufactu	red in 1974,	Date Anticipa	ated:	12/31/2024	
will be 50 years old in 2024. This project	provides repla	acement of ol	der 115-12kV	Rating:		В	
transformers in accordance with the Sul	station Transf	ormer Replac	ement Study.	Status:		Continued	
Prior Appropriations:			Comp Plan C	onformity:	Generally C	Conforms with	
	Х						
6 yr appropriations						I	T
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>
LES Revenue	\$ 1,549,000	\$ 1,982,000	\$ -	\$ -	\$ -	\$ -	\$ 3,531,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	X	х					

Project: S:56th & Everett Replace Trans	former						
Description:							
Replace the existing 115-12kV, 28 MVA t	ransformer (T	561) with a ne	w 36 MVA	Budget Outco	ome:	Strong and	Resilient City
transformer and 12kV switchgear. Transf	ormer T561 w	as manufactu	red in 1972,	Date Anticipa	ated:	12/31/2026	
will be 54 years old in 2026. This project	provides repl	acement of old	der 115-12kV	Rating:		В	
transformers in accordance with the Sub	station Trans	former Replac	ement Study.	Status:		Continued	
It will also provide additional capacity at	the 56th & Ev	verett Substati	on.	Comp Plan Co	onformity:	Generally C	conforms with
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ 67,000	\$ 1,450,000	\$ 1,855,000	\$ -	\$ -	\$ 3,372,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements		х	х	х			

Project: S:56th & Q Replace Transforme	er						
Description:							
Replace the existing 115-12kV, 28 MVA to	ransformer (T	601) with a ne	w 36 MVA	Budget Outco	ome:	Strong and	Resilient City
transformer and 12kV switchgear. Transf	ormer T601 w	as manufactu	red in 1969,	Date Anticipa	ated:	12/31/2025	
will be 56 years old in 2025. This project	provides repl	acement of old	der 115-12kV	Rating:		В	
transformers in accordance with the Sub	station Transf	ormer Replac	ement Study.	Status:		Continued	
It will also provide additional capacity at	Substation.		Comp Plan Co	onformity:	Generally C Plan	onforms with	
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ 1,540,000	\$ 3,594,000	\$ -	\$ -	\$ -	\$ 5,134,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements		x	x				

Project: S:57th & Ga	rland Replace Trans	sformer						
Description:								
Replace an existing 11	L5-12kV transforme	r (T622) with a	a new 36 MVA	transformer	Budget Outc	ome:	Strong and	Resilient City
and 12kV switchgear. This project provides replacement of older 1				5-12kV	Date Anticip	ated:	12/31/2023	
transformers in accord	transformers in accordance with the Substation Trans			ement Study.	Rating:		В	
					Status:		Continued	
					Comp Plan C	onformity:	Generally C	onforms with
Prior A	ppropriations:	Х						
6 yr appropriations								
Funding Source		2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue		\$ 2,153,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,153,000
6 yr estimated cost by	activity							
Activity type		2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	S	х						

Project: S:70th & Bluff Replace Transf	ormer						
Description:							
This project recognizes the possibility of	-115kV, 100	Budget Outco	ome:	Strong and Resilient City			
MVA transformer (T691) which was made	Date Anticipa	ated:	12/31/2027				
2026 and is the oldest transformer in th	Rating:		В				
connection with the OPPD service area	through 161k\	/ Line 1559 wh	nich is	Status:		Continued	
proposed to be rebuilt in the future. LE	S will coordina	ate with OPPE) to evaluate	Comp Plan C	onformity:	Generally C	onforms with
the appropriate capacity and timing for the transformer and determine if it should						Plan	
be installed at the 70th & Bluff substati	on or in a new	substation co	onstructed				
closer to the Lancaster-Saunders Count	y line or insid	e the OPPD se	rvice area.				
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ -	\$ -	\$ 577,000	\$1,732,000	\$ -	\$ 2,309,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements				х	X		

Project: S:8th & N Replace Transformer							
Description:							
Replace the existing 115/34.5/12kV, 45 N	/IVA transform	ner (T171) wit	hanew	Budget Outc	ome:	Strong and	Resilient City
transformer and 12kV switchgear. Transf	timated at 36	MVA however	Date Anticip	ated:	12/31/2023		
final size to be determined. Transforme	nufactured ir	1978, and will	Rating:		В		
be 44 years old in 2022. LES assumes an a	power	Status:		Continued			
transformers in accordance with the Sub	ormer Replac	cement Study.	Comp Plan C	onformity:	Generally C	onforms with	
However, this unit was identified as one			•			Plan	
considered for replacement based on he	•						
age in Substation's 2018 assessment.	, , ,		,				
Prior Appropriations:	Х						
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ 142,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 142,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	Х						

Project: S:91st & A Replace Transforme	r						
Description:							
Replace the existing 115-12kV, 28 MVA to	ew 36 MVA	Budget Outco	ome:	Strong and Resilient Cit			
transformer and 12kV switchgear. Transf	/as manufactı	ured in 1969,	Date Anticipa	ated:	12/31/2031		
and will be 62 years old in 2031. The exis	transformer n	nay be retained	Rating:		В		
on site for use as a second spare due to s	maller physic	cal size and bi	ushing	Status:		New	
configuration. This project acknowledge	ng older 115-	Comp Plan Co	onformity:	Generally C	onforms with		
12kV transformers based on the Substati	ner Replacem	ent Study. It			Plan		
will also provide additional capacity at the	rently, there						
are no indications of imminent failure of			-				
the transformer test data and may adjust	t the replacer	ment order ar	nd schedule.				
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ 964,000	\$5,461,000	\$ 6,425,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements					Х	х	

Project:	S:Misc Ongoing Construction							
Description	on:							
Various co	onstruction, rebuild and commu	nication proj	ects that are r	equired to	Budget Outco	ome:	Strong and Resilient Cit	
enhance o	customer service and reliability.	This could in	clude equipm	ent	Date Anticipa	ated:	NA	
replacement, landscaping/visual screening, terminal			nodifications,	or other	Rating:		В	
changes at existing substations.					Status:		Ongoing	
					Comp Plan Co	onformity:	Generally Co	onforms with
	Prior Appropriations:	Х						
6 yr appro	priations							
Funding S	ource	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Rever	nue	\$ 308,000	\$ 278,000	\$ 286,000	\$ 294,000	\$ 303,000	\$ 312,000	\$ 1,781,000
6 yr estim	ated cost by activity							
Activity ty	/pe	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Im	provements	x	x	х	х	Х	Х	

Project: S:NW56th & Morton Substation	n						
Description:							
Add a 115-12kV, 36 MVA transformer and	Add a 115-12kV, 36 MVA transformer and associated switchgear in a new						Resilient City
substation at NW 56th & Morton. This substation will support future growth in					ited:	12/31/2027	
northwest Lincoln as well as provide con	ort to the NW	70th &	Rating:		В		
Fairfield and NW 12th & Arbor Substatio			Status:		Continued		
			Comp Plan Co	onformity:	Generally C Plan	onforms with	
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ -	\$ 101,000	\$ 2,168,000	\$2,773,000	\$ -	\$ 5,042,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements			x	х	X		

Project:	S:Substation Sites							
Description	on:							
Real prop	perty acquisitions for new, and	expansion of e	existing, subst	ation related	Budget Outco	ome:	Strong and	Resilient City
sites as re	equired for supporting continue	ed growth and	efficient and	safe	Date Anticipa	ated:	NA	
operation	າ.				Rating:		В	
					Status:		Ongoing	
					Comp Plan Co	onformity:	Generally C Plan	onforms with
	Prior Appropriations:	X						
6 yr appro	opriations							
Funding S	Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>
LES Rever	nue	\$ 200,000	\$ 206,000	\$ 212,000	\$ 218,000	\$ 225,000	\$ 232,000	\$ 1,293,000
6 yr estim	nated cost by activity							
Activity to	ype	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital In	nprovements	х	х	х	x	х	х	

Project: S:SW27th & F Add Transmissio	n Breaker							
Description:								
An LES sub-group evaluated existing two	-terminal "ta	p" distributio	ion substations Budget Outcome:			Strong and Resilient City		
to identify locations that would experien	int increase in	reliability by	Date Anticip	ated:	12/31/2026			
adding a transmission breaker. This site	e top 4 sites in	Rating:		В				
that evaluation in terms of benefit vs. co	de. This	Status:		New				
project will install a 115kV transmission breaker to further segment ransmission system. The design standard for new two-terminal disubstations now includes a transmission breaker to increase reliab			tribution	Comp Plan C	onformity:	Generally C Plan	conforms with	
Prior Appropriations:								
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>	
LES Revenue	\$ -	\$ -	\$ 25,000	\$ 525,000	\$ -	\$ -	\$ 550,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements			х	х				

Project: S:West Lincoln Site Remedia	ition						
Description:							
Retire foundations and underground f	acilities in the	original West	Lincoln	Budget Outo	come:	Strong and I	Resilient City
substation which was constructed in th	quipment an	d above ground	Date Anticip	ated:	12/31/2028		
structures were retired in 2021 after the replacement substation was constructed Ra						В	
east of the original location in 2020. The original substation design included a						New	
tanks and an oil circulation piping syst in the yard. The building basement coil identified PCB contamination which was After the facilities and foundations are rock will be tested to identify any contremediation which will be conducted practices.	ntains a synchro ill be removed e removed, the taminated area	onous capacit for appropria surrounding s requiring ac	or with ate disposal. soil and surface Iditional			Plan	
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements						х	

Project: T: 56th, Q - Everett												
Description:												
Rebuild 1.4 miles of the existing 115kV Line 5660 between 56th & Everett and 56th Budget Outcome: Strong and Resilient City												
& Q substations. The original poles were gas treated and do not have the life Date Anticipated: 12/31/203												
expectancy of a typical wood pole. The poles were inspected/tested/treated in Rating:												
late 2012. The existing 115kV line was installed in 1970, will be 55 years old in 2025 Status: Continued												
and is reaching the end of its useful life.	,		Comp Plan Co	onformity:	Generally Co Plan	onforms with						
Prior Appropriations:												
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ 82,000	\$ 27,000	\$ 109,000					
6 yr estimated cost by activity												
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital Improvements					Х	Х						

Project: T:128th & Pioneers - 103rd & Re	okeby						
Description:							
Rebuild 4.7 miles of the existing 345kV L	Budget Outco	ome:	Strong and Resilient City				
Pioneers and the 103rd & Rokeby substa-	tion. The 345l	kV line betwe	en Mark	Date Anticipa	ated:	12/31/2028	
Moore and 128th & Pioneers was installed	d in 1971 usii	ng wood pole	H-frame	Rating:		В	
structures. This segment will be 57 years	old in 2028 a	nd is reaching	the end of its	Status:		New	
useful life. In 2021, LES made the decisio in place rather than re-routing along sect generally minimizes overall impacts to the	This approach			Generally Conforms wi Plan			
project costs.							
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ -	\$ -	\$ 113,000	\$ 38,000	\$2,156,000	\$ 825,000	\$ 3,132,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements			x	X	х	х	

Project:	T:56th & Everett - Elkcrest / Re	build L118	39T						
Description	n:								
Rebuild 2.4	1 miles of the existing 115kV Li	ne 1189T l	verett and the	Budget Outc	ome:	Strong and Resilient City			
115kV thre	e line tap at 56th & Elkcrest. Tl	ne original	l pol	es were gas t	reated and do	Date Anticipa	ated:	12/31/2025	
not have th	ne life expectancy of a typical	wood pole	. Th	e poles were		Rating:		В	
inspected/	tested/treated in 2012, and ag	ain in 201	8. Tł	ne existing 11	5kV line was	Status:		Continued	
installed in 1971, will be 55 years old in 2026, and is realife.				aching the end	d of its useful	Comp Plan C	onformity:	Generally C Plan	Conforms with
	Prior Appropriations:	X							
6 yr approp	oriations								
Funding Sc	ource	2022/202	<u>:3</u>	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenu	ıe	\$ 30,0	000	\$ 1,825,000	\$ 688,000	\$ -	\$ -	\$ -	\$ 2,543,000
6 yr estima	6 yr estimated cost by activity								
Activity typ	Activity type 2022/2023				2024/2025	2025/2026	2026/2027	2027/2028	
Capital Imp	provements	х		x	х				

Project: T:56th, Garland - Q	Project: T:56th, Garland - Q											
Description:												
Rebuild 1.3 miles of the existing 115kV Line between 56th & Everett and 56th & Q Budget Outcome: Strong and Resilient City												
substations. The original poles were gas treated and do not have the life Date Anticipated: 12/31/2031												
expectancy of a typical wood pole. The poles were inspected/tested/treated in Rating: B												
late 2012. The existing 115kV line was installed in 1969 and 1970, will be 55/56 Status: Continued												
years old in 2025 and is reaching the end	of its useful I	ife.	·	Comp Plan C	onformity:	Generally Co	onforms with					
Prior Appropriations:												
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,000	\$ 82,000					
6 yr estimated cost by activity												
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital Improvements						Х						

Project: T:Bennet - Martell											
Description:											
Rebuild 3.1 miles of the existing 345kV Line 3503 with bundled T2 IBIS conductors Budget Outcome: Strong and Resilien											
from structure 87 to structure 68. The po	les were insp	ected/tested,	/treated in	Date Anticipa	ated:	12/31/2029					
2012 and 2018. The original 345 kV line between Mark Moore and 128th & Rating: B											
Pioneers was installed in 1971 using wood pole K-frame structures, will be 56 Status: New											
years old in 2027, and is reaching the end	d of its useful	life.		Comp Plan Conformity: Generally Cor			onforms with				
						Plan					
Prior Appropriations:											
6 yr appropriations											
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total				
LES Revenue	\$ -	\$ -	\$ -	\$ 65,000	\$ 22,000	\$1,156,000	\$ 1,243,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					
Capital Improvements x x x											

Project: T:Martell - Stagecoach									
Description:									
Rebuild 4.6 miles of the existing 345kV L	Budget Outco	ome:	Strong and	Resilient City					
from structure 67 to structure 34. The po	les were insp	ected/tested/	treated in	Date Anticipa	ated:	12/31/2026			
2012 and 2018. The original 345 kV line between Mark Moore and 128th & Rating: B									
Pioneers was installed in 1971 using wood pole K-frame structures, will be 55 Status: New									
years old in 2026, and is reaching the end	life.		Comp Plan Conformity: Generally Cor			onforms with			
Prior Appropriations:									
6 yr appropriations									
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total		
LES Revenue	\$ 106,000	\$ 35,000	\$ 1,875,000	\$ 702,000	\$ -	\$ -	\$ 2,718,000		
6 yr estimated cost by activity									
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028			
Capital Improvements x x x x									

Project:	Project: T:Misc. Construction/Rebuild												
Description	Description:												
Smaller, m	iscellaneous 115kV and 345kV	transmission	and rebuild	Budget Outco	ome:	Strong and Resilient Cit							
projects th	at are of a repetitive nature an	Date Anticipa	ated:	NA									
related to	new construction, upgrades or	rebuilds.			Rating:		В						
					Status:		Ongoing						
				Comp Plan C	onformity:	Generally C Plan	onforms with						
	Prior Appropriations:	Х											
6 yr approp	oriations												
Funding Sc	ource	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Revenu	ue	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000					
6 yr estima	ated cost by activity												
Activity typ	pe	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital Imp	provements	x	x	x	х	Х	Х						

Project: T:Right-of-Way/Easements							
Description:							
This item provides for purchasing right-of	-way (ROW)	and easement	ts for	Budget Outco	me:	Strong and I	Resilient City
transmission lines. Construction damages	uded.		Date Anticipa	ited:	NA		
			Rating: A				
				Status:		Ongoing	
			ı	Comp Plan Co	onformity:	Generally Co	onforms with
Prior Appropriations:	X						
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
LES Revenue	\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 900,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	x	х	х	х	Х	Х	

Project:	Project: T:Stagecoach - Princeton												
Description	Description:												
Rebuild 4.7 miles of the existing 345kV Line 3503 with bundled T2 IBIS conductors Budget Outcome: Strong and Resilient City													
from stru	12/31/2027												
and 2018. The original 345 kV line between Mark Moore and 128th & Pioneers was Rating:													
installed in 1971 using wood pole K-frame structures, will be 58 years old in 2029, Status: New													
and is reaching the end of its useful life. Comp Plan Conformity: Generally Conforms w													
							Plan						
	Prior Appropriations:												
6 yr appro	opriations												
Funding S	Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Rever	nue	\$ -	\$ 65,000	\$ 22,000	\$ 1,873,000	\$ 703,000	\$ -	\$ 2,663,000					
6 yr estim	nated cost by activity												
Activity to	ype	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital In	Capital Improvements x x x x												

Project: U:Extensions										
Description:										
RESIDENTIAL EXTENSION: This provides r	RESIDENTIAL EXTENSION: This provides new underground primary, secondary or									
service additions. Also covered by this it	em are existii	ng customers	that request	Date Anticipa	ated:	NA				
overhead to underground conversions o	Rating:		Α							
increased load.	Status:		Ongoing							
	Comp Plan Co	onformity:	Generally C	onforms with						
RESIDENTIAL DEVELOPMENT: This provid			Plan							
extensions to new residential developm	ents and apai	tment comple	exes.							
COMMERCIAL EXTENSION: This provides	for new comr	mercial and in	dustrial							
customers who require new undergroun	d primary, se	condary or ser	vice							
installations. Other commercial custome	ers will expand	d their busine	ss and will							
require upgraded service conductors and	d transformer	capacities.								
COMMERCIAL DEVELOPMENT: Newly pla	tted commerc	cial and indust	trial							
developments, including small shopping	centers and o	offices are cov	ered in this							
item.										
Prior Appropriations:	Х									
6 yr appropriations										
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total			
LES Revenue	\$ 4,879,000	\$ 5,026,000	\$ 5,177,000	\$ 5,331,000	\$5,490,000	\$5,655,000	\$31,558,000			
6 yr estimated cost by activity										
Activity type	Activity type <u>2022/2023</u> <u>2023/2024</u> <u>2024/2025</u>					2027/2028				
Capital Improvements	x	x	x	х	X	X				

Project: U:Major Circuits								
Description:								
FEEDERS: This project provides for cons	struction of nev	v underground	d 12kV and	Budget Outco	ome:	Strong and I	Resilient City	
35kV feeders (main distribution lines)		_		Date Anticipa	ated:	NA		
The installation of manual or automate		Rating:		Α				
also included in this item. Distribution				Status:		Ongoing		
evaluated including the life-cycle cost			•	Comp Plan Co	onformity:	Generally C	onforms with	
improve automated voltage/VAR conti						Plan		
lower electrical losses (lower energy u								
while maintaining lowest overall cost		J	ζ ,					
-								
PADMOUNT CAPACITORS This item pro	vides for the in	stallation of p	admounted					
capacitor banks on the underground di		-						
power factor correction on the distribu	ition system. Th	nese capacitor	s provide a					
more economic operation and reduced								
electric losses in the distribution and t	ransmission sys	stem. They als	o provide					
needed voltage support at peak load c	onditions.							
Prior Appropriations:	Х							
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>	
LES Revenue	\$ 2,546,000	\$ 2,209,000	\$ 1,246,000	\$ 1,284,000	\$1,323,000	\$1,913,000	\$10,521,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements	x	x	x	x	х	х		

Project: U:Rebuilds											
Description:											
This item provides for replacement of ex	Budget Outco	ome:	Strong and Resilient City								
deterioration, or other operating proble	Date Anticipa	ited:	NA								
system upgrades that will extend the life	Rating:		Α								
of the underground cable and equipmer	it is approachi	ng the end of	its useful life.	Status:		Ongoing					
The need is increasing to replace deterior	orating underg	ground cable a	and obsolete	Comp Plan Co	onformity:	Generally C	onforms with				
equipment to maintain adequate reliabi	lity levels for	our customers	s.			Plan					
Replacements for some facilities are bei	ng installed d	ue to indicatio	ons that they								
have reached the end of their service life	e. Other repla	cement will b	e done on an								
"as required" basis.											
Prior Appropriations:	Х										
6 yr appropriations											
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>				
LES Revenue	\$ 3,964,000	\$ 4,142,000	\$ 3,263,000	\$ 1,083,000	\$1,114,000	\$1,146,000	\$14,712,000				
6 yr estimated cost by activity											
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028					
Capital Improvements	x	x	X	x	X	х					

Project:	U:Relocations									
Description	on:									
This item provides for the relocation of existing underground distribution						ome:	Strong and Resilient City			
facilities.	This item also includes the ur	tion of an ove	erhead-to-	Date Anticipa	ated:	NA				
undergro	ound relocation project. Reloca	rally requeste	d by federal,	Rating:		Α				
state, cou	unty, or city governmental age	ncies for road v	widening, sew	dening, sewer Status:				Ongoing		
construct	ion, etc. Other relocation wor	k is requested	by customers.	An "aid-to-	Comp Plan Co	onformity:	Generally Conforms with			
construct	ion", based on non-bettermer			Plan						
projects.	Project steps include: · Reloca	te existing ove	rhead and un	derground						
lines and	associated transformers and e	quipment for	road widening	g projects,						
customer	requests, and where econom	ical. · Convert t	to undergrour	nd about \$1M						
per year o	of existing overhead lines and	associated trai	nsformers and	d equipment in						
the discre	etionary overhead to undergro	und conversio	n program, bu	ıt this is						
increasin	g to about \$2M per year during	a portion of th	ne current CIP	6-year						
window.										
	Prior Appropriations:	X								
6 yr appro	opriations									
Funding Source 2022/2023			2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total		
LES Revenue \$ 4,011,000			\$ 5,522,000	\$ 5,789,000	\$ 4,192,000	\$3,391,000	\$3,650,000	\$26,555,000		
6 yr estim	nated cost by activity									
Activity type		2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028			
Capital In	nprovements	x	x	x x		x				

roject: U:Transformers												
Description:												
Based on projected customer growth, pa	Budget Outco	me:	Strong and Resilient City									
purchased each year to serve new load a	Date Anticipa	ted:	NA									
are damaged or fail in service. Disposal of	Rating:		A									
included in this project. This item also co	Status:		Ongoing									
the new transformers (per FERC account	Comp Plan Co	onformity:	Generally Conforms with									
contaminated distribution transformers		Plan										
year period. All distribution transformer	s are economi	ically evaluate	ed including									
the life-cycle cost of electrical losses. Th		•	_									
transformers with lower electrical losses		-										
greenhouse gasses) while maintaining lo	-	· ·										
Prior Appropriations:	Х											
6 yr appropriations												
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>					
LES Revenue	\$ 1,600,000	\$ 1,648,000	\$ 1,697,000	\$ 1,748,000	\$1,800,000	\$1,854,000	\$10,347,000					
6 yr estimated cost by activity												
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028						
Capital Improvements	Х	x	Х	Х	х							

Project: W:OH Distribution - Waverly													
Description:													
Various overhead distribution projects i	Budget Outco	ome:	Strong and Resilient City										
services for new customers as well as re	Date Anticipa	ated:	NA										
reliable system.			Rating:		A								
		Status:		Ongoing									
	Comp Plan Co	onformity:	Generally Conforms with										
			Plan										
Prior Appropriations:	X												
6 yr appropriations													
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total						
LES Revenue	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 60,000						
6 yr estimated cost by activity													
Activity type <u>2022/2023</u>		2023/2024	2024/2025	2025/2026	2026/2027	2027/2028							
Capital Improvements	X	x	x	x	Х	Х							

Project: W:Street Light - Waverly																
Description:																
Various street light projects in Waverly city limits.								Budget Outcome:				Safe and Healthy City				
								Date Anticipated: Rating:				NA				
												В				
								Status:			Ongoing					
					Comp Plan Conformity:			Generally Conforms w Plan			ms with					
Prior Appropriations:	Х															
6 yr appropriations																
Funding Source	2022/20)23	2023/2024 2		2024/2025		2025/2026		2026/2027		2027/2028		6 yr Total			
LES Revenue	\$	11,000	\$ 1	1,000	\$	11,000	\$	11,000	\$	11,000	\$	66,000				
6 yr estimated cost by activity																
Activity type 2022/2023		2023	3/2024	2024/2025		2025/2026		2026/2027		2027/2028						
Capital Improvements x				Х	х		х		х		х					

Project: W:UG Distribution - Waverly													
Description:													
Various underground distribution projec	Budget Outco	ome:	Strong and Resilient City										
services for new customers as well as rel	ouilding exist	o maintain a	Date Anticipa	ited:	NA								
reliable system.				Rating:		Α							
				Status:		Ongoing Generally Conforms with Plan							
				Comp Plan Co	onformity:								
Prior Appropriations:	Х												
6 yr appropriations													
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	<u>6 yr Total</u>						
LES Revenue	\$ 105,000	\$ 690,000	\$ 105,000	\$ 105,000	\$ 105,000	\$ 105,000	\$ 1,215,000						
6 yr estimated cost by activity													
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028							
Capital Improvements	x	x	x	х	х	Х							