

LANE-SCOTT ELECTRIC ENERGY SALES STATISTICS FOR AUGUST 2022

CLASS OF SERVICE	NO. RECEIVING SERVICE		kWh SOLD		AMOUNT BILLED		Y.T.D AVERAGE		SALE PRICE PER kWh Y.T.D.
	Y.T.D. AVG.	THIS MONTH	THIS MONTH	Y.T.D.	THIS MONTH	Y.T.D.	kWh USED	AMOUNT	
Residential Sales	2,219	2,221	3,104,599	17,884,313	\$388,440	\$2,306,026	1,008	\$129.91	12.89
Residential Sales-Seasonal	47	48	14,159	77,694	\$2,832	\$18,574			
Irrigation Sales	333	335	2,557,054	9,803,463	\$251,288	\$934,797			
Small Commercial	1,862	1,863	4,428,068	34,284,167	\$539,043	\$3,965,521	2,302	\$266.29	11.57
Large Commercial	175	174	2,970,874	22,416,203	\$376,284	\$2,763,948	16,057	\$1,979.91	12.33
Public Street Lighting	13	13	35,946	287,568	\$5,463	\$41,221			
Public Building Sales	48	47	39,985	296,952	\$5,718	\$41,265			
Non-Domestic	1,064	1,069	188,080	1,486,285	\$44,431	\$329,047			
City of Dighton	1	1	1,209,554	6,862,855	\$125,067	\$584,701	857,857	\$73,087.63	8.52
Idle Services on rate 90	21	16	0	0	\$504	\$4,125			
Large Industrial	3	3	2,618,010	23,570,430	\$252,951	\$2,163,579	982,101	\$90,149.13	9.18
Irrigation Horsepower Charges	0	0				\$303,560			
Total Energy Sales	5,785	5,790	17,166,329	116,969,930	\$1,992,021	\$13,456,364			11.50
Other Electric Revenue					\$503,792	\$572,575			
Total					\$2,495,813	\$14,028,939			

SUBSTATION DATA

Substation	(NCP)KW	kWh Purchased	Cost Per kWh	kWh Sold	Line Loss	Load Factor-P	Load Factor-S
Beeler-Sub 3	6,817	4,185,669		3,861,546	7.74%	82.53%	76.14%
Dighton-Sub 1 - 7200	2,908	1,872,126		1,744,078	6.84%	86.53%	80.61%
Dighton-Sub 2 - 14400	5,223	2,433,579		2,438,322	-0.19%	62.63%	62.75%
Manning-Sub 4	7,235	4,074,648		3,926,973	3.62%	75.70%	72.95%
LS Seaboard-Sub 5	231	122,420		117,878	3.71%	71.23%	68.59%
Twin Springs Lo 7.6-Sub 7	342	201,767		187,850	6.90%	79.30%	73.83%
Twin Springs Hi 14.1-Sub 8	348	165,176		155,644	5.77%	63.80%	60.11%
City of Dighton	2,771	1,101,875	10.0700	1,101,875	0.00%	53.45%	53.45%
City of Dighton - WAPA	176	107,679	2.8500	107,679	0.00%	82.23%	82.23%
Alexander 115	2,162	1,104,344		1,048,301	5.07%	68.66%	65.17%
Ness City 115	5,851	2,560,483		2,476,183	3.29%	58.82%	56.88%
Total	34,064	17,929,766	9.0800	17,166,329	4.26%	70.75%	67.73%

RUS/CFC LOAN FUND TRANSACTIONS

MISC.

OTHER STATISTICS

				Y.T.D	M.T.D.
Gross Obligation to RUS	\$ 54,111,889	General Fund Balance	\$73,365	Miles Energized	2046.39
Pymts Applied Against Principal	\$ 20,639,485	MMDA Investments	\$218,546	Density	2.83
Net Obligation to RUS	\$ 33,472,404	Cash Available at Month End	\$291,911	kWh Purchased	124,226,485
CFC Line of Credit	\$ -			kWh Sold (Inc. Office Use)	117,026,458
CoBank Line of Credit	\$ -	CFC Investments - CP, SN, MTN	\$4,908,632	Percent of Line Loss	5.80%
CFC Note #9004-RUS refinance	\$ 5,214,641	CFC CTC's	\$221,958	Idle Services	273
CFC Note #9006-RS Prepymt	\$ 144,518			Oper. Revenue Per kWh Sold	11.99
CoBank Note-Feb 21 Winter Event	\$ 1,461,674			Expense Per kWh Sold	12.11
				Income Per Mile	1219.62
				Expense Per Mile	1153.79

ACCOUNT AGING

	Current	30-89 Days	90 Plus
Irrigation Accounts Receivable	\$175,188	\$37	
Electric Accounts Receivable	\$1,418,750	\$11,886	\$7,844
Retail Accounts Receivable	\$100,718	\$737	\$15,973

2022-Line 25 - Non-Operating Margins

		January	February	March	April	May	June	July	August	September	October	November	December	TOTAL	
Rev.-Electrician & Mat.	415.1	\$41,610.26	\$39,180.92	\$58,583.01	\$294,540.62	\$79,209.01	\$107,129.85	\$158,595.57	\$154,754.40					\$933,603.64	415.1
Exp.-Electrician & Mat.	416.1/1.11	\$44,296.05	\$40,880.21	\$51,002.11	\$270,371.75	\$71,541.70	\$73,861.66	\$123,288.25	\$116,635.10					\$791,876.83	416.1/1.11
		(\$2,685.79)	(\$1,699.29)	\$7,580.90	\$24,168.87	\$7,667.31	\$33,268.19	\$35,307.32	\$38,119.30	\$0.00	\$0.00	\$0.00	\$0.00	\$141,726.81	
Rev.-Appliance Repair	415.2	\$13,226.33	\$35,074.50	\$11,957.94	\$16,282.17	\$25,711.15	\$4,588.18	\$141.69	\$200.60					\$107,182.56	415.2
Exp.-Appliance Repair	416.2/2.1	\$28,823.68	\$28,034.21	\$20,145.35	\$23,972.95	\$19,638.93	\$9,216.82	\$11,129.62	\$5,105.18					\$146,066.74	416.2/2.1
		(\$15,597.35)	\$7,040.29	(\$8,187.41)	(\$7,690.78)	\$6,072.22	(\$4,628.64)	(\$10,987.93)	(\$4,904.58)	\$0.00	\$0.00	\$0.00	\$0.00	(\$38,884.18)	
Rev.-Member Damages	415.3	\$0.00	\$315.00	\$0.00	\$0.00	\$0.00	\$3,349.27	\$0.00	\$1,056.89					\$4,721.16	415.3
Exp.-Member Damages	416.3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,226.05	\$0.00	\$1,155.45					\$2,381.50	416.3
		\$0.00	\$315.00	\$0.00	\$0.00	\$0.00	\$2,123.22	\$0.00	(\$98.56)	\$0.00	\$0.00	\$0.00	\$0.00	\$2,339.66	
Finance Charges	415.5	\$144.44	\$214.36	\$94.92	\$299.78	\$170.55	\$217.99	\$190.73	\$183.07					\$1,515.84	415.5
MARGIN-Retail		(\$18,138.70)	\$5,870.36	(\$511.59)	\$16,777.87	\$13,910.08	\$30,980.76	\$24,510.12	\$33,299.23	\$0.00	\$0.00	\$0.00	\$0.00	\$106,698.13	
Misc. Income	421.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00	421.0
Gain on Disposal	421.1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00	421.1
Loss on Disposal	421.2	\$0.00	\$0.00	\$0.00	\$2,947.17	\$0.00	\$0.00	\$0.00	\$0.00					\$2,947.17	421.2
NET NON-OP MARGIN		(\$18,138.70)	\$5,870.36	(\$511.59)	\$19,725.04	\$13,910.08	\$30,980.76	\$24,510.12	\$33,299.23	\$0.00	\$0.00	\$0.00	\$0.00	\$109,645.30	

	Current Month				YTD Total			
	Billed Hours	Unbilled Hours	Hourly Rate	Total Unbilled Rev	Billed Hours	Unbilled Hours	Hourly Rate	Total Unbilled Rev
Kalo	151.5	47	\$ 85.00	\$ 3,995.00	1087	441.56	\$ 85.00	\$ 37,532.60
Michael	197.5	16	\$ 85.00	\$ 1,360.00	1266	274	\$ 85.00	\$ 23,290.00
Mark	44	18	\$ 85.00	\$ 1,530.00	770.5	571.5	\$ 85.00	\$ 48,577.50
	393	81		\$ 6,885.00	3123.5	1287.06		\$ 109,400.10

82.91%

70.82%

2022

Maintenance Inspection Log - to be completed monthly and copy submitted to Richard before the monthly Board meeting.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Overhead lines												
<i>number/miles</i>	3,986	4,684	2833	4765	6,871	4,659	4,176	5,453				
<i>cost</i>	\$39,879.00	\$48,956.00	\$28,990.00	\$38,752.00	\$55,134.00	\$37,531.00	\$36,823.00	\$47,724.00				
2 Underground lines												
<i>number/miles</i>	70	80	331	120	385	279	195	336				
<i>cost</i>	\$649.00	\$785.00	\$3,765.00	\$1,273.00	\$3,718.00	\$3,371.00	\$3,660.00	\$3,008.00				
3 Poles												
<i>number inspected</i>	0	0	1097	1706	0	0	0	0				
<i>cost</i>			\$15,664.00	\$24,360.00								
4 Right-of-way												
<i>miles inspected</i>	0	80	105	130	107	119	250	85				
<i>cost</i>	\$0.00	\$785.00	1749.00	\$1,944.00	\$998.00	\$899.00	\$1,510.00	\$1,248.00				
5 Substations												
<i>number inspected</i>	15	15	15	15	15	15	15	15	15	15	15	15
<i>which ones?</i>	All	All	All	All	All	All	All	All	All	All	All	All
<i>cost</i>	\$3,235.00	\$3,127.00	\$2,375.00	\$3,458.00	\$1,713.00	\$3,919.00	\$3,719.00	\$11,131.00				
6 DG Interconnections												
<i>number inspected</i>	0	0	0	0	0	0	0	0				
<i>cost</i>	\$0.00											
7 CT:PT Metering												
<i>number inspected</i>	0	0	0	0	0	0	0	0				
<i>cost</i>	\$0.00											
8 Line Clearances												
<i>miles inspected</i>	259	280	50	0	80	483	685	582				
<i>cost</i>	\$2,261.00	\$1,286.00	\$324.00	\$0.00	\$1,609.00	\$6,498.00	\$14,236.00	\$3,814.00				

Operations Report September 2022

- **Maintenance**

Refused transformers and side taps.
Worked locate tickets system wide.
Fixed lights in Ness, Lane, and Hodgeman Co.
Re-sag secondary at Lisa Smiths in Ness City.
Moved meter to alley for John Mauch in Ness City.
Changed out pole, replaced anchor, and updated meter loop at Don Seegars in Healy.
Located primary underground for Trevor Nash.
Fixed broken anchors in Ness and Lane Co.
Retired 3 phase connect to oil well in Ness Co.
Monthly sub checks.
Fixed ball field lights in Healy.
Set lift pole for Dirk Torson.
Changed out bad meters.

- **Pole Change outs**

McCracken poles. (Bens Crew)
Changed out 5, 3 phase poles.
Changed out 1, 3 phase dead end pole and rebuilt transformer bank that feeds grain elevator.
Changed out 3, V phase poles, 1 transformer pole, 1 dead-end pole, and 1 inline pole.
Change out 2 single phase poles and 1 meter pole.

Bazine poles. (Kasey's crew)
Changed out 2 single phase poles.
Converted single-phase dead-end pole to V phase dead end and rebuilt transformer bank.
Changed out 2 V phase in line poles.
Changed out 8, 3 phase poles for clearance improvements north of Bazine.

- **New Connects**

Built new single phase connect or Palomino Happy Gilmore Lease.
Built new single phase connect for Peach Grove new house.
Built new 3 phase connect for Bazine Coop.
Built New 3 phase connect for James Farms irrigation.
Built New single-phase line and connect for Arnulfo Garcia new house.

- **Other**

KEC safety meeting.
Worked on trucks.
Myron and Dellon attended the high voltage demo at the State Fair.

Dal attended phase 2 of staking school.

Ben attended line supervisor's meetings in Wichita.

Worked on documents and information for FEMA DR 4640. (December windstorm)

INFORMATION TECHNOLOGY REPORT

IT/COMPLIANCE PROJECTS COMPLETED AS OF SEPTEMBER 2022

1. iVue Mosaic reporting program training and programming.
2. Research collector battery backup requirements.
3. Fujitsu scanner install and programming.
4. Document vault programming and record retention.
5. Telephone issues resolved.
6. Server room organized after security system install to prepare for networking rewiring and mapping.
7. Adobe and Veritas Backup Exec yearly license renewal.
8. Troubleshooting employee software and device issues.
9. AppSuite 1.92.1 version updates.
10. AppSuite MapView TPK imagery and data file monthly update.

IT/COMPLIANCE PROJECTS IN PROGRESS AS OF SEPTEMBER 2022

1. Getting quotes for collector battery backups.
2. Mobile radio meeting to gather information on router communication network requirements.

CYBERSECURITY COMPLIANCE REPORT

CYBERSECURITY/IT PROJECTS COMPLETED AS OF SEPTEMBER 2022

1. Veeam backup quotes and researched data storage options.
2. NRECA Cyber & Physical Consortium webinar.
3. Aruba wireless access points network vlan security programming.
4. ASP iVue server monthly patching and updates.
5. Office 365 threat management daily review and risk mitigation.
6. Manage Engine Desktop Central patch management daily review and risk mitigation.
7. Cyber Detect Rapid 7 asset vulnerability management and risk mitigation.
8. Cyber Detect Insight end user vulnerability management and risk mitigation.
9. Cyber Detect Nexpose vulnerability scan.
10. US Payment KIOSK monthly backend server patching and software upgrade.
11. Operations and domain server backups, disk cleaner, and alert warning daily review.
12. Applications and windows updates and patching.

CYBERSECURITY/IT PROJECTS IN PROGRESS AS OF SEPTEMBER 2022

1. Cybersecurity procedure
2. Cybersecurity training procedure
3. Cybersecurity wire fraud procedure
4. Cyber Defense Firewall full management upgrade.
5. Cyber Patch full management upgrade.

Richard McLeon

From: Nate Burns
Sent: Tuesday, September 27, 2022 2:50 PM
To: Richard McLeon
Subject: Engineering update

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Richard,

This month I have been working with PSE on the ArcFlash and the SPCC studies. I believe they are close to completion on the SPCC. I am gathering data for the ArcFlash still but we are getting closer to having enough for an initial run. We can then determine what additional data might be needed or any adjustments to assumptions made. We are thinking end of Oct. or 1st part of Nov. for completion. We have also been gathering and organizing data for the FEMA project from Dec. 2021. We have an onsite meeting with our KDEM representative in late October. We will have a majority of data available for him then and find out what additional items he requests at that time. We have had a few clearance improvement projects brought to us by members that we are addressing. They are helping us locate these issues as they farm so I can conclude our efforts to have them do so are bearing fruit. We have had a flurry of pivot irrigation inquiries but to date have only connected two. There are several more still looking for materials or considering the projects timing for this year. Midwest energy is installing new breakers and relays in the Ness City 155/34.5kv sub. These will greatly improve outage locating capabilities on the 115kv line East of Beeler. They installed new equipment in their Nekoma substation East of our Alexander sub. In 2020. When completed the 115kv system controllers will be able to pinpoint 115kv outages to within a span or two all across our service territory.

Thanks

Nate Burns

Engineering Coordinator
Lane-Scott Electric
(620) 397-5327 O
(620) 397-8063 C (best)

Substation NCP and CP from Sunflower Determinants

			peak												NCP % capacity (kW/kVa)	
NCP KW			2022													
Substation	Recorder ID	Substation capacity (kVa)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Beeler	SF02 BEELER	28000	6,064	6,207	6,107	6,307	6,311	6,855	6,908	6,817				24.7%		
Dighton 14400	SF02 DIGH14400	28000	5,160	5,031	5,001	4,994	5,577	6,659	5,831	6,549				23.8%		
Dighton 7200	SF02 DIGH7200	22400	2,361	2,362	2,245	2,519	3,233	4,495	4,636	4,719				21.1%		
Manning	SF02 MANNING	25000	4,794	4,881	4,939	5,530	6,107	7,170	7,337	7,235				29.3%		
Manning B	SF02 MANNINGB	7500	-	-	-	-	-	-	-	-				0.0%		
LS Seaboard	SF02 SEABOARD	billing	249	258	254	195	216	242	260	231						
Twin Springs 14000	SF02 TSPRGS14	11300	270	273	236	220	299	391	384	348				3.5%		
Twin Springs 7200	SF02 TSPRGS72	11300	179	186	261	263	304	357	371	342				3.3%		
Dighton WAPA	SFWP DIGHTON	billing	156	138	136	155	154	185	218	176						
Dighton - West	SF02 DIGHTCTYW	1500	323	316	341	317	501	727	717	913				60.9%		
Dighton - North	SF02 DIGHTCTYN	1500	504	493	424	421	628	734	926	898				61.7%		
Dighton - South	SF02 DIGHTCTYS	1500	637	631	532	660	945	1,281	1,450	1,326				96.7%		
City of Dighton	SFS2 DIGHCTY	billing	1,219	1,240	1,099	1,220	1,789	2,609	2,931	2,772						
Alexander 115 Sub	MK02 ALEXAN	20000	2,162	1,597	1,500	2,893	1,646	2,347	2,335	2,162				14.5%		
Ness City 115 Sub	MK02 NESS115	20000	4,460	3,580	4,674	4,246	4,346	5,611	8,123	5,851				40.6%		
Non-Coincidental Peak			28,538	27,193	27,749	29,940	32,056	39,663	42,427	40,339	0	0	0	0		

load shifting
August 2022

load shifting
August 2022

CP KW			2022												CP % capacity (kW/kVa)
Substation	Recorder ID	Substation capacity (kVa)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Beeler	SF02 BEELER	28000	5,395	5,768	5,178	5,711	6,123	6,599	6,403	6,692					23.6%
Dighton 14400	SF02 DIGH14400	28000	3,970	4,326	4,866	4,780	4,793	5,128	5,614	5,461					20.1%
Dighton 7200	SF02 DIGH7200	22400	2,302	2,288	2,115	2,445	3,027	4,430	4,351	4,515					19.8%
Manning	SF02 MANNING	25000	4,073	4,803	4,645	4,433	5,268	6,335	6,285	5,967					25.3%
Manning B	SF02 MANNINGB	7500	-	-	-	-	-	-	-	-					0.0%
LS Seaboard	SF02 SEABOARD	billing	198	225	217	167	183	207	241	216					
Twin Springs 14000	SF02 TSPRGS14	11300	217	214	191	195	278	337	354	336					3.1%
Twin Springs 7200	SF02 TSPRGS72	11300	136	164	125	256	288	335	366	322					3.2%
Alexander 115 Sub	MK02 ALEXAN	20000	646	1,543	-	1,293	1,523	2,055	2,219	2,081					11.1%
Ness City 115 Sub	MK02 NESS115	20000	4,449	3,580	4,554	2,606	4,053	5,392	6,032	5,851					30.2%
Sum of CP			21,386	22,911	21,891	21,886	25,536	30,818	31,865	31,441	0	0	0	0	

City of Dighton NCP			2022												NCP % capacity (kW/kVa)	
Substation	Recorder ID	Substation capacity (kVa)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Dighton WAPA	SFWP DIGHTON	billing	156	138	136	155	154	185	218	176	-	-	-	-		
Dighton - West	SF02 DIGHTCTYW	1500	323	316	341	317	501	727	717	913	-	-	-	-	60.9%	
Dighton - North	SF02 DIGHTCTYN	1500	504	493	424	421	628	734	926	898	-	-	-	-	61.7%	
Dighton - South	SF02 DIGHTCTYS	1500	637	631	532	660	945	1,281	1,450	1,326	-	-	-	-	96.7%	
City of Dighton	SFS2 DIGHCTY	billing	1,219	1,240	1,099	1,220	1,789	2,609	2,931	2,772	-	-	-	-		
			4500	1,464	1,440	1,297	1,398	2,074	2,742	3,093	3,137	0	0	0	0	60.9%

Sunflower Billing Summary

		capacity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
City of Dighton @ 2% Subtract from WHM		CPKW	1,329	1,368	1,145	1,283	1,859	2,718	2,950	2,947					
Demand (off of CP)		178000	20,057	21,543	20,746	20,603	23,677	28,100	28,915	28,494	0	0	0	0	16.2%
Energy purchased			14,188,752	12,585,333	13,012,284	12,943,820	14,440,521	15,886,273	17,586,432	16,720,211					

Member Service Report
October 2022

1. Paperless Billing \$10 Credit – Begins in October. Members who sign-up through SmartHub for paperless billing receive a one-time \$10 credit on their bill. The goal is to boost paperless as well as SmartHub users.
2. Military Care Packages will be sent out again this year. Ads are being published in newspapers and social media for information of active military personnel from our service territory either deployed or state-side.
3. HVAC Season Checks are being promoted.
4. Unclaimed Capital Credit List published in October newsletter as well as published on all communication channels.
5. Working on the member service budget.
6. Working through net meter/parallel generation process.
7. Normal monthly KCL, social media posts, website updates, new member e-mail series, newsletter e-blast, chamber communications, sponsorship/donation requests, communication plan updates, spending report, advertising.

September Warehouse Report

Total Inventory Dollars on Hand for September:

Line Material--\$295,397

Inventory Turns—0.979

Resale Material--\$235,166

Inventory Turns—1.667

Line material increase is primarily due to material that shipped earlier than expected. Resale is up due to generators.

Generac Update:

Generac's shipping window for new generators has improved significantly. Lead times for the generator are 2-3 weeks and 3-4 months for transfer switches. This might help us be able to sell a few more of these. We completed 5 Generac bids in September and placed an order for one. We do have another member that wants us to order, all we are waiting on is their down-payment. Other good news on the Generac front is we now have received all 9 generators that have been on order. So, October will be a busy month with us getting these units installed.

Inventory to be Billed/Future Margins:

9 Generac generators: \$101,250 average gross/\$22,500 average net margin

12,000' Duct: \$30,500 gross/\$10,000 net margin

Electrician Update:

Work is slowing at LCF so the plan moving forward is to have Michael pull off that job 2 days a week to help get other jobs on the list caught up. Kalo has been working on the multiple jobs we have and both him and Mark are working on setting a couple of generators the last week of September. With our new scheduling system, we are hopeful that we will get caught up sooner and improve our turn-around time on new jobs called in.

HVAC Update:

On Mark's first day back, he had 3 A/C calls, so he hit the ground running. Calls haven't been overloading but they have been somewhat consistent. I suggested that Mark put together his season check list for furnaces and he will do these checks when his other calls are quiet. Additionally, Mark has been working on servicing the generators on our service list. He is also working alongside Kalo on the bigger jobs. By maximizing his billable hours, we are hoping to see the HVAC margins improve, especially in the last quarter of the year.

Line Material:

We had a scare this month in regards to pole availability. Three mills refused to quote, and another was looking at a 27–30-week lead time. Fortunately, Huxford was able to add to what we already had on order with an 8–10-week lead time. Other material is hit and miss on

availability; to stay ahead of any problems I'm trying to stay in contact with vendors to see where the problems are. This way, we can ensure we don't run out of material that is taking over 30 weeks to replenish.