

LANE-SCOTT ELECTRIC ENERGY SALES STATISTICS FOR JUNE 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	2,218	2,478,847	11,465,383	\$317,047	\$1,500,512	861	\$112.71	13.09
Residential Sales-Seasonal	47	49	11,238	47,765	\$2,500	\$12,691			
Irrigation Sales	333	333	1,791,331	4,487,803	\$167,576	\$407,645			
Small Commercial	1,862	1,859	4,098,450	25,342,074	\$487,392	\$2,870,342	2,269	\$256.97	11.33
Large Commercial	175	175	2,844,811	16,321,836	\$360,639	\$1,993,718	15,574	\$1,902.40	12.22
Public Street Lighting	13	13	35,946	215,676	\$5,306	\$30,229			
Public Building Sales	48	48	37,171	209,290	\$5,290	\$28,906			
Non-Domestic	1,062	1,065	185,155	1,095,470	\$43,193	\$238,221			
City of Dighton	1	1	979,881	4,374,861	\$92,077	\$333,110	729,144	\$55,518.33	7.61
Idle Services on rate 90	23	17	0	0	\$535	\$3,117			
Large Industrial	3	3	3,124,890	18,277,190	\$278,951	\$1,653,165	1,015,399	\$91,842.50	9.04
Irrigation Horsepower Charges	0	0				\$303,560			
Total Energy Sales	5,785	5,781	15,587,720	81,837,348	\$1,760,506	\$9,375,216			11.46
Other Electric Revenue					(\$43,356)	\$48,572			
Total					\$1,717,150	\$9,423,788			

SUBSTATION DATA

Substation	(NCP)KW	kWh Purchased	Cost Per kWh	kWh Sold	Line Loss	Load Factor-P	Load Factor-S
Beeler-Sub 3	6,855	4,078,912		3,619,384	11.27%	82.64%	73.33%
Dighton-Sub 1 - 7200	3,034	1,566,587		1,384,007	11.65%	71.71%	63.36%
Dighton-Sub 2 - 14400	5,378	2,676,853		2,600,655	2.85%	69.13%	67.16%
Manning-Sub 4	7,170	3,919,320		3,637,180	7.20%	75.92%	70.46%
LS Seaboard-Sub 5	242	112,639		103,571	8.05%	64.65%	59.44%
Twin Springs Lo 7.6-Sub 7	357	180,954		162,448	10.23%	70.40%	63.20%
Twin Springs Hi 14.1-Sub 8	391	163,749		146,962	10.25%	58.17%	52.20%
City of Dighton	2,608	872,202	9.1000	872,202	0.00%	46.45%	46.45%
City of Dighton - WAPA	185	107,679	2.8500	107,679	0.00%	80.84%	80.84%
Alexander 115	2,347	983,219		905,227	7.93%	58.18%	53.57%
Ness City 115	5,611	2,204,039		2,048,405	7.06%	54.56%	50.70%
Total	34,178	16,866,153	7.4500	15,587,720	7.58%	68.54%	63.34%

RUS/CFC LOAN FUND TRANSACTIONS

MISC.

OTHER STATISTICS

				Y.T.D	M.T.D.
Gross Obligation to RUS	\$ 54,111,889	General Fund Balance	\$81,667	Miles Energized	2046.39
Pymts Applied Against Principal	\$ 20,639,485	MMDA Investments	\$172,141	Density	2.82
Net Obligation to RUS	\$ 33,472,404	Cash Available at Month End	\$253,808	kWh Purchased	87,431,847
CFC Line of Credit	\$ -			kWh Sold (Inc. Office Use)	15,592,825
CoBank Line of Credit	\$ -	CFC Investments - CP, SN, MTN	\$5,304,402	Percent of Line Loss	6.35%
CFC Note #9004-RUS refinance	\$ 5,312,100	CFC CTC's	\$221,958	Idle Services	275
CFC Note #9006-RS Prepymt	\$ 191,833			Oper. Revenue Per kWh Sold	11.51
CoBank Note-Feb 21 Winter Event	\$ 1,603,577			Expense Per kWh Sold	11.61
				Income Per Mile	839.11
				Expense Per Mile	935.05

ACCOUNT AGING

	Current	30-89 Days	90 Plus
Irrigation Accounts Receivable	\$124,474	\$143	
Electric Accounts Receivable	\$1,515,144	\$11,003	\$6,474
Retail Accounts Receivable	\$70,593	\$12,803	\$6,309

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												
number/miles	3,986	4,684	2833	4765	6,871	4,659						
cost	\$39,879.00	\$48,956.00	\$28,990.00	\$38,752.00	\$55,134.00	\$37,531.00						
2 Underground lines												
number/miles	70	80	331	120	385	279						
cost	\$649.00	\$785.00	\$3,765.00	\$1,273.00	\$3,718.00	\$3,371.00						
3 Poles												
number inspected	0	0	1097	1706	0	0						
cost	0	0	15,664.00	24,360.00	0							
4 Right-of-way												
miles inspected	0	80	105	130	107	119						
cost	\$0.00	\$785.00	1749.00	\$1,944.00	\$998.00	\$899.00						
5 Substations												
number inspected	15	15	15	15	15	15	15	15	15	15	15	15
which ones?	All	All	All	All	All	All	All	All	All	All	All	All
cost	\$3,235.00	\$3,127.00	\$2,375.00	\$3,458.00	\$1,713.00	\$3,919.00						
6 DG Interconnections												
number inspected	0											
cost	\$0.00											
7 CT:PT Metering												
number inspected	0											
cost	\$0.00											
8 Line Clearances												
miles inspected	259	280	50	0	80	483						
cost	\$2,261.00	\$1,286.00	\$324.00	\$0.00	\$1,609.00	\$6,498.00						

Operations Report July 2022

- **Maintenance**

Refused transformers and side taps.
Worked locate tickets.
Changed out OCR's for KEC to rework.
Retire idol services.
Monthly sub checks.
Relocated regulator station from South Drylake circuit to Drees circuit.
Adjust regulators for better voltage north of Healy.
Tap up transformers on Mike Yorks irrigation.
Trim trees south of Grigston, Healy, and Gary McBee's.
Fixed lights system wide.
Replaced broken anchor in Gove Co.

- **Pole Change Outs**

Changed out bad poles found by pole testers in Ness Co.
Changed out poles for clearance improvements at Ness City Cemetery, Hineman 3 phase, Healy Cemetery, northeast of Dighton and Finney Co.
Converted V phase to 3 phase south of Dighton.

- **New Connects**

Set junction pole, pad mount transformer and terminated underground at Ness City High School.
Built new single-phase connect for Palomino Thunderbird #1.
Built new single-phase line and connect to Tyler Algrims new house.
Built new single-phase connect for John Huslig irrigation.
Built new single phase connect for Toby Whipple fence charger.
Built new 3 phase connect for Palomino Spaceman #1.

- **Metering**

Changed out bad meters.
Reset and updated firmware in meters.
New pallet of meters finally arrived and have been put into inventory.

- **Other**

KEC safety meeting. Tested grounds.
Worked on information for the BRIC grant project.
Worked on closing open work orders.
Annual meeting.
Federated Insurance accident investigation training.
Worked on CPR's and material sheets for the 2nd quarter.

INFORMATION TECHNOLOGY REPORT

IT/COMPLIANCE PROJECTS COMPLETED AS OF JULY 2022

1. Board room projector replaced.
2. Programming retail computer and Verifone payment system.
3. Researching collector battery backups.
4. Researched iVue server preference notices.
5. Researched iVue work order ESS purging process.
6. Researched iVue null term date issue resolved.
7. RUS Payment software programming and system patching for backend server maintenance.
8. AppSuite Annual Meeting registration testing and programming.
9. Security system settings configuration testing.
10. Payment gateway version 1.25 patch 2 and patch 3.
11. NRECA Cooperative IT Mentoring Program.
12. Domain disk cleaner.
13. Troubleshooting employee software and device issues.
14. AppSuite 1.90 version updates.
15. AppSuite MapView TPK imagery and data file monthly update.

IT/COMPLIANCE PROJECTS IN PROGRESS AS OF JULY 2022

1. CIS account purge process.
2. Microsoft Active Directory training.
3. Fujitsu scanner install and programming.

CYBERSECURITY COMPLIANCE REPORT

CYBERSECURITY/IT PROJECTS COMPLETED AS OF JULY 2022

1. Remit Plus backup audit.
2. Security system network vlan security programming.
3. Aruba wireless access points network vlan security programming.
4. Security system networking switch relocate, wire pull, and programming.
5. ASP iVue server monthly patching and updates.
6. Office 365 threat management daily review and risk mitigation.
7. Manage Engine Desktop Central patch management daily review and risk mitigation.
8. Cyber Detect Rapid 7 asset vulnerability management and risk mitigation.
9. Cyber Detect Insight end user vulnerability management and risk mitigation.
10. Cyber Detect Nexpose vulnerability scan.
11. US Payment KIOSK monthly server patching and software upgrade.
12. Operations and domain server backups and alert warning daily review.
13. Applications and windows updates and patching.

CYBERSECURITY/IT PROJECTS IN PROGRESS AS OF JULY 2022

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

Richard McLeon

From: Nate Burns
Sent: Thursday, July 28, 2022 9:34 AM
To: Richard McLeon
Subject: Engineering update

Follow Up Flag: Follow up
Flag Status: Flagged

This month has seen the completion of some projects, and the start of some new ones. As I write this today the crew is completing the padmount transformer installation and the retirement of the overhead line and platform station at the Ness City High School. We have been working with them for three plus years on this project so it is nice to see it come to fruition. We have also completed our pole trussing pilot project including ongoing inspection and tracking spreadsheets. We are now using some of the data we collected for this project to outline an area for application for a BRIC grant. Now that an area has been identified we will gather pertinent data and work toward writing the grant application. I have also started compiling data for a capacities and contingencies report on our substations. We have made several new connects and will be completing the Family Dollar connect in Ness City soon.

Nate Burns

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

Substation NCP and CP from Sunflower Determinants

peak YTD
peak 2021

NCP KW			2022												NCP % 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	6,064	6,207	6,107	6,307	6,311	6,855	6,908						24.7%
Dighton 14400	SF02 DIGH14400	28000	5,160	5,031	5,001	4,994	5,577	6,659	5,831						23.8%
Dighton 7200	SF02 DIGH7200	22400	2,361	2,362	2,245	2,519	3,233	4,495	4,636						20.7%
Manning	SF02 MANNING	25000	4,794	4,881	4,939	5,530	6,107	7,170	7,337						29.3%
Manning B	SF02 MANNINGB	7500	-	-	-	-	-	-	-						0.0%
LS Seaboard	SF02 SEABOARD	billing	249	258	254	195	216	242	260						
Twin Springs 14000	SF02 TSPRGS14	11300	270	273	236	220	299	391	384						3.5%
Twin Springs 7200	SF02 TSPRGS72	11300	179	186	261	263	304	357	371						3.3%
Dighton WAPA	SFWP DIGHTON	billing	156	138	136	155	154	185	218						
Dighton - West	SF02 DIGHTCTYW	1500	323	316	341	317	501	727	717						48.5%
Dighton - North	SF02 DIGHTCTYN	1500	504	493	424	421	628	734	926						61.7%
Dighton - South	SF02 DIGHTCTYS	1500	637	631	532	660	945	1,281	1,450						96.7%
City of Dighton	SFS2 DIGHCTY	billing	1,219	1,240	1,099	1,220	1,789	2,609	2,931						
Alexander 115 Sub	MK02 ALEXAN	20000	2,162	1,597	1,500	2,893	1,646	2,347	2,335						14.5%
Ness City 115 Sub	MK02 NESS115	20000	4,460	3,580	4,674	4,246	4,346	5,611	8,123						40.6%
Non-Coincidental Peak			28,538	27,193	27,749	29,940	32,056	39,663	42,427	0	0	0	0	0	

CP KW			2022												NCP % 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						23.6%
Dighton 14400	SF02 DIGH14400	28000	3,970	4,326	4,866	4,780	4,793	5,128	5,614						20.1%
Dighton 7200	SF02 DIGH7200	22400	2,302	2,288	2,115	2,445	3,027	4,430	4,351						19.8%
Manning	SF02 MANNING	25000	4,073	4,803	4,645	4,433	5,288	6,335	6,285						25.3%
Manning B	SF02 MANNINGB	7500	-	-	-	-	-	-	-						0.0%
LS Seaboard	SF02 SEABOARD	billing	198	225	217	167	183	207	241						
Twin Springs 14000	SF02 TSPRGS14	11300	217	214	191	195	278	337	354						3.1%
Twin Springs 7200	SF02 TSPRGS72	11300	136	164	125	256	288	335	366						3.2%
Alexander 115 Sub	MK02 ALEXAN	20000	646	1,543	-	1,293	1,523	2,055	2,219						11.1%
Ness City 115 Sub	MK02 NESS115	20000	4,449	3,580	4,554	2,606	4,053	5,392	6,032						30.2%
Sum of CP			21,386	22,911	21,891	21,886	25,536	30,818	31,865	0	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	-	-	-	-	-	
Dighton - West	SF02 DIGHTCTYW	1500	323	316	341	317	501	727	717	-	-	-	-	-	48.5%
Dighton - North	SF02 DIGHTCTYN	1500	504	493	424	421	628	734	926	-	-	-	-	-	61.7%
Dighton - South	SF02 DIGHTCTYS	1500	637	631	532	660	945	1,281	1,450	-	-	-	-	-	96.7%
City of Dighton	SFS2 DIGHCTY	billing	1,219	1,240	1,099	1,220	1,789	2,609	2,931	-	-	-	-	-	
			4500	1,464	1,440	1,297	1,398	2,074	2,742	3,093	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						
Demand (off of CP)			178000	20,057	21,543	20,746	20,603	23,677	28,100	28,915	0	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						

Member Service Board Report
August 1, 2022 Board Meeting

1. Annual Meeting
 - a. **For Board signature:** 2021 Annual Meeting Minutes for Signature
 - b. John Ross estimated we served near 400 people at the Annual Meeting.
 - c. Quorum of the 2625 members = 118 members (exceeding the 50-member requirement). There were 203 members + their guests counted.
 - d. Electronic registration and quorum reporting worked great, that combined with allowing people to go through the lines as they arrived, and two lines worked great for avoiding line congestion. I would recommend we continue doing this in the future.
2. I continue to work on researching grant information and have reached out to NRECA who is offering grant writing assistance to see what is involved with that.
3. The Back to School Social Media Contest is underway. The contest will end August 15th.



4. 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.

July Warehouse Report

Total Inventory Dollars on Hand for July:

Line Material--\$284,050

Inventory Turns—0.936

Resale Material--\$196,842

Inventory Turns—1.112

Generac Update:

Supply issues are still affecting our Generac shipments. We haven't received much of anything from our existing orders and Generac still shows many items as backordered. We still receive a few calls a week from members who are interested, but when told the lead times they typically want to look elsewhere. We still have a few quotes to finish for a couple of members and will need to look at getting one of our guys certified for liquid cooled in the near future.

Inventory to be Billed/Future Margins:

8 Generac generators: \$90,000 average gross/\$20,000 average net margin

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

Electrician Update:

July was another extremely busy month. Michael has primarily worked on LCF New Mill and Kalo has took care other jobs. With the heat, we had several irrigation well problems called in this month. We are trying to find the right balance between our big jobs and our smaller ones. Demand for electricians remains high in the area with several people calling in and saying they can't find an electrician to come do their work. This is good for us as long as we can help serve and meet the need.

HVAC Update: N/A

Line Material:

Line material dollars on hand continues to remain high; however, this is in most part due to the increase of cost in materials. We are not stocking much more than we were a year ago (other than maybe poles and insulators) but our costs have risen significantly. Poles and transformers still have long lead times, making planning and communication essential. We've been fortunate to have mild weather and that hard-to-get materials have slowly but surely trickled in before we've run out.