

Hooksett Sewer Commission
Meeting Minutes
February 7, 2023

INITIAL	COMMENTS
<u>B</u>	
<u>RPD</u>	

This meeting was called to order at 12:00pm. Present were Chairman Sidney Baines, Commissioner Richard Bairam, Commissioner Robert Duhaime, Superintendent Ken Conaty and Assistant Superintendent John Clark.

Approve and Sign Manifest

Approve meeting minutes: Commissioner Richard Bairam made motion to approve the regular meeting and workshop meeting minutes from January 17, 2023. Commissioner Robert Duhaime seconded. All in favor, the motion was carried unanimously.

Read Correspondence

Financial Report: None

Scheduled Appointments: 12:00pm- Jill O'Conner from Old Castle **RE: Agreement**

- Old Castle currently uses a piece of property that the Sewer Commission owns. They are just looking to have a "lease" in writing. Discussion was had on what should be included. The Sewer Commission let Jill know what they expected and told her to talk to whomever she needs to over at Old Castle, draft up what they would like and send it back to the Sewer Commission for approval.

Superintendent Conaty's Report:

Plant:

- The plant is coming back around
- Floc mixer motor failed so the motor has been replaced
- The yearly storm water report has been submitted
- Currently working on the collections system report
- The sludge SQC report was submitted

Solar: (report given by Assistant Superintendent John Clark and Superintendent Ken Conaty)

- John shared the production sheet for solar with the commission (Attachment 1).
- The Sewer Commission received a payment from C-power for solar production in the amount of \$342.94 for Green energy credits.
- Assistant Superintendent Clark shared a solar sheet with the commission for 2021-2022 (Attachment 2).

- Eversource Kwh rates are the highest ever both Superintendent Conaty and Assistant Superintendent Clark went over a spreadsheet of the rates (Attachment 3).
- Superintendent Conaty went over an electric bill projection sheet with the commission (Attachment 4).
- Superintendent Conaty suggested suspending repayment to the trust fund for solar until June 15, 2023 so that the Hooksett Sewer Commission can make sure they are financially sound with the increasing cost of electricity. Commissioner Robert Duhaime made motion to suspend repayment to the solar trust account until June 15, 2023. Commissioner Richard Bairam seconded. All in favor, the motion was carried unanimously.

Phase 3A Plant Upgrades:

- Sparge air blowers complete to all available tanks
- Yard excavation is 90% complete
- RAS line is completed
- The Sludge tank overflow lines are complete
- Flow now going through all of Train 1. Flowing through new splitter box, anoxic tanks 1A & 1B are online, two new mixers are operating and IFAS tanks 1C, 1D and 1E are online.
- There are lots of holes to fill down at the wastewater treatment plant.
- Lots of electrical boxes have been mounted and wires are getting pulled.
- IFAS tanks 2D & 2E have been taken offline and are being retrofitted. The IFAS discs are being pumped to the new tanks.
- The next construction meeting is at 1:00pm today. Upcharges are the basement sump pump/rear bathroom drain and sheeting removal.
- Superintendent Conaty is meeting with Paul and Dave on Thursday or Friday this week to do a balance sheet of up charges so everyone and everything is on the same page so to speak.
- Chairman Sid Baines asked how the design for the pipeline was coming along. Superintendent Conaty said it is in good shape with design just have to agree on location. Superintendent Conaty has plans to meet with Eversource on where they plan on building. There will be no cost difference just location difference. Chairman Sidney Baines asked if the Sewer Commission putting in our end of the pipeline covers Eversource? Superintendent Conaty responded yes. Chairman Sidney Baines stated that he just wanted it to be included in the minutes.

Force Main replacement at Martin's Ferry pump station:

- Design is still being worked on

Dewatering Project:

- Design is still in progress

Asset Management:

- Work orders are progressing
- Working on risk assessment

- Getting training on GPS unit next month along with upgraded software.
- Superintendent Conaty is speaking to NEWEA asset management group this month via Zoom.

TIF Project:

- Tri town easement is delayed. The property is being sold.

Other:

- Working with EII on radio communications. The program should be starting next week.
- Diligently working on scanning plans
- Investigating inflow issue around West Alice Ave.
- Martin Ferry flow meter controller was replaced.
- CIP member volunteer for the town is Commissioner Robert Duhaime.
- Superintendent Conaty discussed the bridge lights cost with the sewer commission.

Old Business:

- Update employee benefits, personnel policy and job descriptions

-**Personnel Plan:** Superintendent Conaty asked about grandfathered employees in the vacation section of the personnel plan. Linda O'Keefe explained that they were grandfathered when the town changed from earning annual vacation leave to monthly accruals. After a short discussion, Superintendent Conaty said he would like to get everyone on monthly accruals and proposed that, for this year, those grandfathered employees get half their annual vacation in January and start the accruals in July so as not to injure anyone's time off. This decision was tabled until the next meeting so that everyone could have time to gather info and thoughts on the matter.

-Superintendent Conaty pointed out that the policy on unused sick leave payout says fiscal year. Linda O'Keefe stated that all these years it has been paid out as of calendar year. Superintendent Conaty would like the payout to be paid at the end of the fiscal year. Chairman Sid Baines stated that if our policy reads "fiscal year" than we should be following that. Any decisions on this will be decided on at the next Sewer Commission meeting.

-**Job Descriptions:** Superintendent Conaty wanted rotating Saturdays taken out of his job description and asked that they remove on call responsibilities. Superintendent Conaty attends so many meetings that he does not do on call days but is available to the plant staff whenever they need him. Superintendent Conaty would like "acts as Superintendent when the Superintendent is out" put into Assistant Superintendent John Clarks job description. Superintendent Conaty suggested that Linda O'Keefe's job description include that she is responsible for individual connection permitting. He also suggested that "enforcing" policy be changed to "maintaining" in her job description. It was stated that a whole revamp on Job descriptions will need to be done at a later date.

- TIF updates are every third Tuesday of the Month

- Construction progress meetings are the first meeting of every month @1:00pm.

New Business: The next Sewer Commission Meeting is February 21, 2023

Non-public session: The Sewer Commission did not go into non-public session

Public Input: None

Adjournment: Commissioner Robert Duhaime made motion to adjourn at 1:55pm. Commissioner Richard Bairam seconded. All in favor, the motion was carried unanimously.

Respectfully Submitted,


Kim Langlois
Billing Clerk


Richard Bairam (Clerk)

2022	2022	KWH PRODUCED	BEHIND THE METER				UTILITY BILL W/O SOLAR	UTILITY BILL WITH SOLAR	TOTAL COST OF ELECTRIC	PERCENT SAVINGS
			SOLD BACK	METER	GREEN ENERGY	ISO				
JAN	44,777	\$3,505.60	\$4,106.30	\$1,208.98		\$17,310.95	\$9,699.05	\$ 8,490.07	51.0%	
FEB	69,078	\$7,719.60	\$5,708.04	\$1,865.11		\$18,589.44	\$5,161.80	\$ 3,296.69	82.3%	
MAR	75,780	\$5,475.20	\$4,086.94	\$2,046.06		\$12,954.67	\$3,392.53	\$ 1,346.47	89.6%	
APR	100,940	\$5,146.08	\$4,548.59	\$2,725.38		\$12,308.75	\$2,614.08	\$ (111.30)	100.9%	
MAY	101,925	\$4,835.60	\$4,069.00	\$2,751.98		\$10,972.03	\$2,067.43	\$ (684.55)	106.2%	
JUN	115,098	\$5,920.64	\$4,965.95	\$3,107.65		\$11,923.24	\$1,036.65	\$ (2,071.00)	117.4%	
JUL	99,814	\$8,228.56	\$6,953.41	\$2,694.98		\$16,813.75	\$1,631.78	\$ (1,063.20)	106.3%	
AUG	95,992	\$11,480.40	\$10,061.28	\$2,591.78		\$25,589.95	\$4,048.27	\$ 1,456.49	94.3%	
SEP	72,938	\$7,828.80	\$6,602.17	\$1,969.33		\$19,979.39	\$5,548.42	\$ 3,579.09	82.1%	
OCT	61,200	\$7,347.04	\$5,248.64	\$1,652.40		\$17,008.45	\$4,412.77	\$ 2,760.37	83.8%	
NOV	46,079	\$7,340.80	\$6,873.12	\$1,244.13		\$28,525.82	\$14,311.90	\$ 13,067.77	54.2%	
DEC	35,613	\$7,410.48	\$8,806.37	\$961.55		\$40,215.35	\$23,998.50	\$ 23,036.95	42.7%	
TOTAL	919,234	\$82,238.80	\$72,029.81	\$24,819.32	0	\$232,191.79	\$77,923.18	\$53,103.86		
SAVINGS							\$154,268.61	\$179,087.92		
MONTHLY AVG										
		REVENUE	ENERGY VALUE (NOT THRU METER)							

* Rate Increase

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SOLAR PRODUCTION

2022		TOTAL KWHs		(+/ -)
ACTUAL	PROJECTED			
July21	83,321	96,963		-13,642
Aug21	84,450	87,593		-3,143
Sep21	65,618	78,054		-12,436
Oct21	65,180	61,301		3,879
Nov21	44,095	42,892		1,203
Dec21	26,597	27,130		-533
Jan22	44,777	40,963		3,814
Feb22	69,078	40,851		28,227
Mar22	75,780	78,144		-2,364
Apr21✓	100,940	81,356		19,584
May21✓	101,925	91,635		10,290
Jun21✓	115,098	92,563		22,535
	876,859	819,445		57,414

PLANT KWHs USAGE

	TOTAL KWHs	ACTUAL UTILITY	TOTAL KWHs	ACTUAL UTILITY	Variance
	2022	BILL 2022	2021	BILL 2021	
July21	46,000	\$3,842.63			(46,000)
Aug21	53,200	\$4,940.10			(53,200)
Sep21	58,400	\$6,372.49			(58,400)
Oct21	61,200	\$6,033.92			(61,200)
Nov21	67,200	\$8,207.69			(67,200)
Dec21	72,400	\$11,140.00			(72,400)
Jan22	59,600	\$9,699.05			(59,600)
Feb22	50,800	\$5,161.80			(50,800)
Mar22	46,800	\$3,392.53			(46,800)
Apr21✓	49,200	\$2,614.08			(49,200)
May21✓	40,800	\$2,067.43			(40,800)
Jun21✓	40,400	\$1,036.65			(40,400)
	646,000	\$64,508.37	0		646,000

SALES TO THE GRID

	% PROD SOLD	PAID/KWH	REVENUE		
July21	46,000	55.21%	\$0.0666		\$3,063.60

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Aug21	46,000	54.47%	\$0.0706				\$3,247.60
Sep21	32,800	49.99%	\$0.0661				\$2,168.08
Oct21	36,000	55.23%	\$0.0610				\$2,196.00
Nov21	22,400	50.80%	\$0.0832				\$1,863.68
Dec21	10,400	39.10%	\$0.1092				\$1,135.68
Jan22	22,400	50.03%	\$0.1565				\$3,505.60
Feb22	42,000	60.80%	\$0.1838				\$7,719.60
Mar22	47,200	62.29%	\$0.1160				\$5,475.20
Apr21	60,400	59.84%	\$0.0852				\$5,146.08
May21	62,800	61.61%	\$0.0770				\$4,835.60
Jun21	70,400	61.17%	\$0.0841				\$5,920.64
TOTAL	498,800						\$46,277.36

\$0.0928

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Solar Total Savings	21-22	21-22		SOLD BACK	BEHIND THE METER	GREEN ENERGY	ISO	UTILITY BILL W/O SOLAR	UTILITY BILL WITH SOLAR	TOTAL COST OF ELECTRIC	PERCENT SAVINGS
		KWH PRODUCED	KWH PRODUCED								
		21-22									
		July21	83,321	\$3,063.60	\$3,493.45	\$2,249.67		\$10,399.68	\$3,842.63	\$ 1,592.96	84.7%
		Aug21	84,450	\$3,247.60	\$3,752.72	\$2,280.15		\$11,940.42	\$4,940.10	\$ 2,659.95	77.7%
		Sep21	65,618	\$2,168.08	\$3,055.36	\$1,771.69		\$11,595.93	\$6,372.49	\$ 4,600.80	60.3%
		Oct21	65,180	\$2,196.00	\$2,567.84	\$1,759.86		\$10,797.76	\$6,033.92	\$ 4,274.06	60.4%
		Nov21	44,095	\$1,863.68	\$2,390.79	\$1,190.57		\$12,462.16	\$8,207.69	\$ 7,017.13	43.7%
		Dec21	26,597	\$1,135.68	\$2,206.03	\$718.12		\$14,481.71	\$11,140.00	\$ 10,421.88	28.0%
		Jan22	99,814	\$3,505.60	\$4,106.18	\$2,694.98		\$17,310.83	\$9,699.05	\$ 7,004.07	59.5%
		Feb22	69,078	\$7,719.60	\$5,708.04	\$1,865.11		\$18,589.44	\$5,161.80	\$ 3,296.69	82.3%
		Mar22	75,780	\$5,475.20	\$4,086.94	\$2,046.06		\$12,954.67	\$3,392.53	\$ 1,346.47	89.6%
		Apr22	100,940	\$5,146.08	\$4,548.59	\$2,725.38		\$12,308.75	\$2,614.08	\$ (111.30)	100.9%
		May21	101,925	\$4,835.60	\$4,069.00	\$2,751.98		\$10,972.03	\$2,067.43	\$ (684.55)	106.2%
		Jun21	115,098	\$5,920.64	\$4,965.95	\$3,107.65		\$11,923.24	\$1,036.65	\$ (2,071.00)	117.4%
		TOTAL	931,896	\$46,277.36	\$44,950.88	\$25,161.19	0	\$155,736.61	\$64,508.37	\$39,347.18	
		SAVINGS							\$91,228.24	\$116,389.44	
		MONTHLY AVG									
				REVENUE	ENERGY VALUE (NOT THRU METER)			\$12,978.05	\$5,375.70	\$ 3,278.93	

Rate G-OTOD, General Time-of-Day Service

Available to customers with electric thermal storage devices whose demand does not exceed 100 kilowatts (kW).
Off-peak hours: 8 p.m. to 7 a.m. weekdays; all day weekends and holidays.

• Customer Charge	
o Single-Phase Service (per month):	\$41.98
o Three-Phase Service (per month):	\$60.00
• Distribution Demand Charge (per kW of on-peak demand) :	\$15.82
• Distribution Charges	
o On-Peak Hours (per kWh):	5.350 ¢
o Off-Peak Hours (per kWh):	0.851 ¢
• Regulatory Reconciliation Adjustment per kW of on-peak demand) :	15.000 ¢
• Transmission Demand Charge (per kW of on-peak demand) :	\$4.01
• Stranded Cost Recovery Demand Charges (per kW of on-peak demand) :	\$0.23
• Stranded Cost Recovery Energy Charges (per kWh) :	-0.097 ¢
• System Benefits Charge (per kWh):	0.905 ¢
• Energy Charge (per kWh):	22.566 ¢

Rate GV, Commercial and Industrial

For commercial or industrial customers with demands not exceeding 1,000 kW. Customers must pay for necessary transforming, regulating and controlling apparatus.

• Customer Charge (per month):	\$211.21
• Distribution Demand Charges	
o First 100 (per kW):	\$7.27
o Excess over 100 kW (per kW):	\$7.01
• Distribution Energy Charges	
o First 200,000 (per kWh):	0.663 ¢
o All Additional kWh (per kWh):	0.590 ¢
• Regulatory Reconciliation Adjustment (per kW):	6.00 ¢
• Transmission Demand Charge (per kW):	\$8.15
• Stranded Cost Recovery Demand Charge (per kW):	\$0.41
• Stranded Cost Recovery Charge (per kWh):	-0.047 ¢
• System Benefits Charge (per kWh):	0.905 ¢
• Energy Charge (per kWh)	
August 2022	22.423 ¢
September 2022	19.322 ¢
October 2022	17.523 ¢
November 2022	24.575 ¢
December 2022	41.884 ¢
January 2023	48.550 ¢

Rate EV-2, Commercial and Industrial

For electric vehicle charging stations with demands not exceeding 1,000 kW. Customers must pay for necessary transforming, regulating and controlling apparatus. Available to serve the entire requirements of electric vehicle (EV) charging stations, which are available to the public. Must have separately metered service, with at least 90 percent of the load at that meter dedicated to EV charging. Must be "publicly accessible" EV charging equipment, meaning that the charging equipment is available to the public without restriction.

• Customer Charge (per month):	\$211.21
• Distribution Charge (per kWh):	10.593 ¢
• Regulatory Reconciliation Adjustment (per kWh):	0.084 ¢
• Transmission Charge (per kWh):	11.400 ¢
• Stranded Cost Recovery Charge (per kWh):	0.526 ¢
• System Benefits Charge (per kWh):	0.905 ¢
• Energy Charge (per kWh):	
August 2022	22.423 ¢
September 2022	19.322 ¢
October 2022	17.523 ¢
November 2022	24.575 ¢
December 2022	41.884 ¢
January 2023	48.550 ¢

Rate LG, Commercial and Industrial Service

For commercial and industrial customers with demands in excess of 1,000 kW. Customers must pay for necessary transforming, regulating and controlling apparatus. Off-peak hours: 8 p.m. to 7 a.m. weekdays; all day weekends and holidays.

• Customer Charge (per month):	\$660.15
• Distribution Demand Charge (per kVa):	\$6.18
• Distribution Energy Charges	
o On-Peak (per kWh):	0.559 ¢
o Off-Peak (per kWh):	0.473 ¢
• Regulatory Reconciliation Adjustment (per kWh):	5.000 ¢
• Transmission Demand Charge (per kVa):	\$8.03
• Stranded Cost Recovery Demand Charge (per kVa):	\$0.26
• Stranded Cost Recovery Charges	
o On-Peak (per kWh):	-0.198 ¢
o Off-Peak (per kWh):	-0.270 ¢
• System Benefits Charge (per kWh):	0.905 ¢
• Energy Charge (per kWh)	
August 2022	22.423 ¢
September 2022	19.322 ¢
October 2022	17.523 ¢
November 2022	24.575 ¢
December 2022	41.884 ¢
January 2023	48.550 ¢

Large Customer Group ES Rates

	Effective date	Power Supply Charge	RPS	Other Charges	Total per kWh Charge
February	February 1, 2023	\$0.47925	\$0.00811	(\$0.00415)	\$0.48321
March	March 1, 2023	\$0.31687	\$0.00811	(\$0.00415)	\$0.32083
April	April 1, 2023	\$0.21216	\$0.00811	(\$0.00415)	\$0.21612
May	May 1, 2023	\$0.16607	\$0.00811	(\$0.00415)	\$0.17003
June	June 1, 2023	\$0.14383	\$0.00811	(\$0.00415)	\$0.14779
July	July 1, 2023	\$0.17702	\$0.00811	(\$0.00415)	\$0.18098

These rates include a charge of 0.811 cents per kWh for Renewable Portfolio Standard (RPS) compliance costs, which represent a range of 1.7 percent to 5.5 percent of the power supply costs for these Large Customer Group customers, depending on the rate month. (The "Other Charges" line item in the table above is negative, that is, an offsetting credit of 0.415 cents on ES rates for the Large Customer Group, because it incorporates a credit of 0.478 cents in the Eversource's Adjustment Factors, as offset by Administrative and General charges of 0.063 cents).

The Commission recognizes that the impact of these rates, though reflective of current national and global energy market conditions, and a general reduction from the currently-effective Large Customer Group rates (see discussion below), remains a significant concern for ratepayers. While the Commission has not had regulatory authority over power supply since New Hampshire's generation divestiture policy was enacted, it has authority to regulate the supply/energy service procurement process. This process is currently being investigated by the Commission in Docket No. IR 22-053.

I. PROCEDURAL HISTORY

The procedural history for the earlier phases of this proceeding is summarized in Order No. 26,747. At the conclusion of the Public Service Company of New

SOLAR PRODUCTION

	2022-23		TOTAL KWHs	2021-22		(+/-)
	ACTUAL		PROJECTED	ACTUAL		
JUL	99,814		96,963	83,321		2,851
AUG	95,992		87,593	84,450		8,399
SEP	72,938		78,054	65,618		-5,116
OCT	61,200		61,301	65,180		-101
NOV	46,079		42,892	44,095		3,187
DEC	35,613		27,130	26,597		8,483
JAN	44,777		40,963			3,814
FEB	69,078		40,851			28,227
MAR	75,780		78,144			-2,364
APR	100,940		81,356			19,584
MAY	101,925		91,635			10,290
JUN	115,098		92,563			22,535
	919,234		819,445			99,789

PLANT KWHs USAGE

	TOTAL KWHs	ACTUAL UTILITY	TOTAL KWHs	ACTUAL UTILITY	Variance
	2022-23	BILL 2022-23	2021-22	BILL 2021-22	\$\$\$
JUL	42,000	\$1,631.78	46,000	\$3,842.63	-\$2,210.85
AUG	55,200	\$4,048.27	53,200	\$4,940.10	-\$891.83
SEP	52,000	\$5,548.42	58,400	\$6,372.49	-\$824.07
OCT	44,000	\$4,412.77	61,200	\$6,033.92	-\$1,621.15
NOV	60,800	\$14,311.90	67,200	\$8,207.69	\$6,104.21
DEC	62,800	\$23,998.50	72,400	\$11,140.00	\$12,858.50
JAN	59,600	\$28,942.00	59,600	\$13,536.63	\$15,405.37
FEB	50,800	\$24,547.00	50,800	\$12,539.67	\$12,007.33
MAR	46,800	\$15,014.00	46,800	\$5,629.93	\$9,384.07
APR	49,200	\$10,632.00	49,200	\$6,808.78	\$3,823.22
MAY	40,800	\$6,936.00	40,800	\$4,943.77	\$1,992.23
JUN	40,400	\$5,972.00	40,400	\$4,479.84	\$1,492.16
	604,400	\$145,994.64	646,000	\$88,475.45	\$57,519.19
					-41,600

7% less electricity used

65% higher bill

6 mo increase

\$44,104.38

TOTAL KWHs	2022-23	% PROD SOLD	PAID/KWH	REVENUE
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SALES TO THE GRID

JUL	58,400	58.51%	\$0.1409				\$8,228.56
AUG	54,000	56.25%	\$0.2126				\$11,480.40
SEP	42,000	57.58%	\$0.1864				\$7,828.80
OCT	37,600	61.44%	\$0.1954				\$7,347.04
NOV	24,800	53.82%	\$0.2960				\$7,340.80
DEC	16,800	47.17%	\$0.4411				\$7,410.48
JAN	22,400	50.03%	\$0.4856				\$10,876.92
FEB	42,000	60.80%	\$0.4832				\$20,294.82
MAR	47,200	62.29%	\$0.3208				\$15,143.18
APR	60,400	59.84%	\$0.2161				\$13,053.65
MAY	62,800	61.61%	\$0.1700				\$10,677.88
JUN	70,400	61.17%	\$0.1478				\$10,404.42
TOTAL	538,800						\$130,086.34

1st 6 mo
\$49,636.08

2nd 6 mo
\$80,450.26

avg rate
\$0.2414



Solar Total Savings									
2022-23									
2022-23	KWH PRODUCED	SOLD BACK	BEHIND THE METER	GREEN ENERGY	ISO	UTILITY BILL W/O SOLAR	UTILITY BILL WITH SOLAR	TOTAL COST OF ELECTRIC	PERCENT SAVINGS
JUL	99,814	\$8,228.56	\$6,953.64	\$2,694.98		\$16,813.98	\$1,631.78	\$ (1,063.20)	106.3%
AUG	95,992	\$11,480.40	\$10,061.28	\$2,591.78		\$25,589.95	\$4,048.27	\$ 1,456.49	94.3%
SEP	72,938	\$7,828.80	\$6,602.17	\$1,969.33		\$19,979.39	\$5,548.42	\$ 3,579.09	82.1%
OCT	61,200	\$7,347.04	\$5,248.64	\$1,652.40		\$17,008.45	\$4,412.77	\$ 2,760.37	83.8%
NOV	46,079	\$7,340.80	\$6,873.12	\$1,244.13		\$28,525.32	\$14,311.90	\$ 13,067.77	54.2%
DEC	35,613	\$7,410.48	\$8,806.37	\$661.55		\$40,215.35	\$23,998.50	\$ 23,036.95	42.7%
JAN	44,777	\$10,876.32	\$11,469.33	\$1,208.98		\$51,287.65	\$28,942.00	\$ 27,733.02	45.9%
FEB	69,078	\$20,294.82	\$18,815.47	\$1,865.11		\$58,657.29	\$24,547.00	\$ 22,681.89	61.3%
MAR	75,780	\$15,143.18	\$9,940.98	\$2,046.06		\$40,098.16	\$15,014.00	\$ 12,967.94	67.7%
APR	100,940	\$13,053.65	\$9,856.08	\$2,725.38		\$33,541.73	\$10,632.00	\$ 7,906.62	76.4%
MAY	101,925	\$10,677.88	\$7,708.80	\$2,751.98		\$25,322.68	\$6,936.00	\$ 4,184.03	83.5%
JUN	115,098	\$10,404.42	\$7,812.76	\$3,107.65		\$24,189.18	\$5,972.00	\$ 2,864.35	88.2%
TOTAL	919,234	\$130,086.34	\$105,148.64	\$24,819.32	0	\$381,229.62	\$145,994.64	\$121,175.32	
SAVINGS								\$235,234.98	\$260,054.30
MONTHLY AVG						\$31,769.14	\$12,166.22	\$10,097.94	
		REVENUE	ENERGY VALUE (NOT THRU METER)						

Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector,

by State, November 2022 and 2021 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2022	November 2021	November 2022	November 2021	November 2022	November 2021	November 2022	November 2021	November 2022	November 2021
New England	26.29	21.87	18.13	16.50	14.75	13.41	11.48	9.24	20.83	18.17
Connecticut	23.92	21.40	18.07	16.62	14.34	9.58	20.92	14.71	20.31	17.99
Maine	22.36	18.19	14.44	13.86	9.40	10.65	--	--	16.25	14.99
Massachusetts	28.10	23.33	18.79	17.01	17.53	15.92	6.21	6.52	21.95	19.13
New Hampshire	30.66	21.16	20.08	16.31	15.00	14.25	--	--	23.55	17.95
Rhode Island	28.65	22.84	16.04	15.24	18.40	16.13	17.22	17.81	21.13	18.30
Vermont	20.95	20.13	17.82	17.30	12.05	11.49	--	--	17.53	16.87
Middle Atlantic	19.54	16.72	14.95	13.36	8.15	7.47	12.60	11.56	15.01	13.27
New Jersey	16.25	16.13	13.13	12.62	11.84	10.99	12.45	8.82	14.12	13.71
New York	23.66	20.09	17.85	15.70	7.15	6.65	13.77	12.60	18.26	15.93
Pennsylvania	17.49	14.13	11.10	9.63	8.01	7.26	6.53	6.90	12.30	10.50
East North Central	16.28	14.64	11.76	11.07	8.35	7.79	7.32	6.98	12.00	11.06
Illinois	17.27	14.33	11.17	10.36	8.43	8.04	7.43	6.74	12.16	10.82
Indiana	16.33	14.27	14.18	12.02	9.61	8.13	15.67	10.95	12.80	10.96
Michigan	17.72	17.61	12.49	12.55	7.93	7.83	12.82	12.43	12.83	12.88
Ohio	14.78	13.06	10.73	10.27	7.69	7.42	--	7.14	11.01	10.20
Wisconsin	15.59	14.70	11.55	10.87	7.86	7.45	14.72	14.99	11.52	10.90
West North Central	12.61	12.01	10.25	9.73	7.42	7.08	10.77	9.64	10.04	9.52
Iowa	12.49	12.22	9.64	9.55	6.07	5.78	--	--	8.48	8.17
Kansas	14.64	13.37	11.73	10.51	8.95	7.43	--	--	11.78	10.36
Minnesota	14.05	13.54	12.01	11.31	8.86	8.66	12.41	11.21	11.68	11.14
Missouri	11.94	10.92	9.45	8.62	7.55	7.06	9.98	7.79	10.17	9.32
Nebraska	10.74	10.83	8.62	8.47	6.95	6.45	--	--	8.56	8.31
North Dakota	10.57	10.91	8.73	9.47	6.86	7.35	--	--	8.20	8.72
South Dakota	12.05	11.94	9.95	9.78	7.88	7.57	--	--	10.24	9.99
South Atlantic	13.88	12.44	11.09	9.95	7.81	6.71	10.17	9.49	11.63	10.35
Delaware	16.22	13.86	11.61	10.15	8.71	7.89	--	--	12.83	11.12
District of Columbia	15.81	14.07	15.69	14.49	7.64	7.92	10.13	12.98	15.39	14.24
Florida	14.00	12.49	11.38	10.20	9.48	8.04	10.32	9.29	12.58	11.24
Georgia	13.51	12.27	12.37	11.28	8.28	7.01	7.34	6.99	11.76	10.55
Maryland	15.42	13.65	13.10	10.81	9.80	9.21	10.46	8.16	13.89	11.99
North Carolina	12.32	11.44	9.10	8.38	6.42	5.57	8.54	8.28	9.82	8.91
South Carolina	14.32	13.78	11.80	12.04	6.89	6.99	--	--	10.76	10.79
Virginia	14.48	11.81	9.76	8.22	9.02	6.67	12.33	10.17	11.14	9.13
West Virginia	13.84	12.89	11.03	10.24	7.32	5.92	--	--	10.24	9.16

East South Central	13.79	12.36	12.80	11.50	7.65	6.45	--	--	11.40	10.03
Alabama	14.96	13.30	14.09	12.40	8.24	6.66	--	--	12.13	10.39
Kentucky	13.80	12.49	12.34	11.28	7.77	6.77	--	--	11.03	9.77
Mississippi	13.62	12.23	12.77	11.30	7.45	6.27	--	--	11.11	9.78
Tennessee	12.94	11.61	12.25	11.15	6.84	5.85	--	--	11.17	10.03
West South Central	14.19	12.41	9.75	8.73	7.31	6.18	7.39	6.91	10.29	8.87
Arkansas	12.20	11.68	10.35	8.86	7.14	6.56	14.12	13.64	9.63	8.84
Louisiana	13.59	11.66	13.18	11.01	8.49	6.64	14.86	10.15	11.16	9.17
Oklahoma	12.46	11.65	9.73	8.80	6.92	5.73	--	--	9.57	8.56
Texas	14.82	12.78	9.15	8.37	7.03	6.06	6.98	6.75	10.29	8.86
Mountain	12.98	12.16	10.45	9.53	7.47	6.46	11.13	9.71	10.39	9.42
Arizona	13.11	12.31	10.39	9.70	7.07	6.71	9.59	8.27	10.76	10.05
Colorado	14.69	13.77	12.11	10.86	8.89	8.06	10.49	9.49	12.08	11.00
Idaho	10.01	10.19	8.17	7.91	6.27	5.53	--	--	8.51	8.17
Montana	12.27	11.38	12.10	10.87	7.60	5.72	--	--	10.81	9.47
Nevada	15.27	12.67	10.22	8.10	8.25	5.42	11.14	7.84	11.03	8.45
New Mexico	14.12	13.52	11.42	10.69	7.12	6.58	--	--	10.20	9.65
Utah	10.68	10.21	8.41	7.81	6.63	5.72	12.67	10.62	8.64	7.92
Wyoming	11.07	10.93	9.77	9.35	6.73	6.43	--	--	8.18	7.87
Pacific Contiguous	19.05	17.93	17.86	15.18	11.85	10.68	12.10	11.44	17.04	15.08
California	26.14	23.87	22.01	17.60	16.94	14.51	12.47	11.77	22.49	18.88
Oregon	11.44	11.43	9.22	9.17	6.36	5.89	10.40	9.83	9.32	9.01
Washington	10.32	10.22	9.47	9.31	6.03	5.80	10.08	9.90	9.09	8.84
Pacific Noncontiguous	34.54	29.21	31.58	26.13	32.44	25.14	--	--	32.81	26.86
Alaska	23.07	22.56	20.40	19.87	17.12	16.75	--	--	20.61	20.21
Hawaii	43.91	34.74	42.00	32.09	38.64	28.38	--	--	41.29	31.51
U.S. Total	15.64	14.07	12.50	11.29	8.30	7.37	11.53	10.47	12.46	11.14

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

Notes: - See Glossary for definitions. - Values for 2021 are final. Values for 2022 are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.