

Cooperative Update

Julie C. Parsley I Chief Executive Officer
Eddie Dauterive I Chief Operations Officer
Randy Kruger I Chief Financial Officer
Don Ballard I General Counsel
JP Urban I EVP, External Relations



Julie C. Parsley I Chief Executive Officer



Regulatory Update

- Electric Supply Chain Maps (Passed 2023 Legislative Session)
 - Intended to enhance the maps relating to the fuel supplies for natural gas generation
 - PUC is updating these maps, and PEC, as well as all other utilities are providing updated service area boundary maps for the project
- Emergency Pricing Rule (Passed 2021 Legislative Session)
 - Emergency Pricing Rule is intended to go into effect when prices have been at the high-cap for 12 hours in a 24-hour period
 - PUC requested comments on the rulemaking; PEC worked with TEC to provide comments
- PEC is closely watching these and other important rulemakings as they progress through the PUC process



Regulatory Update

- ERCOT setting new peaks
 - ERCOT originally forecasted the 2023 peak to be 82,739 MW; so far, the peak is 85,435 MW set on August 10
 - Hottest summer on record
- Addressing new winter weather expectations
 - Updated weatherization requirements for transmission and generation facilities
 - Continuing weatherization inspections this summer
 - PEC is evaluating cold-weather design basis and weather emergency preparedness measures



Trade Association Annual Meetings



Texas Electric Cooperatives
Annual Meeting
July 30 – August 2

- Cooperatives from across the state gathered in Round Rock
- Subject matters included:
 - Resiliency
 - Industrial updates
 - PUC update by Commissioner Will McAdams
 - ERCOT update from CEO Pablo Vegas
- Legislative update, as well as updates from RUS, FREIE, CFC, NRTC, CoBank, and Touchstone

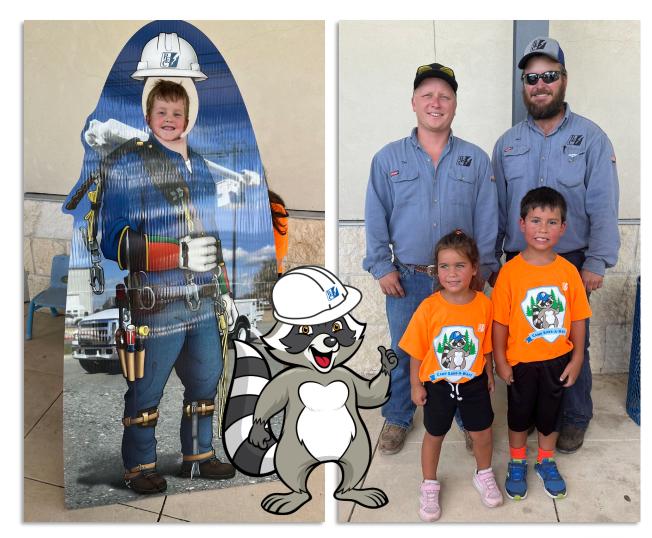


Texas Public Power Association
Annual Meeting
July 24 – 26

- Keynote speakers:
 - Kathleen Jackson, PUC Chair
 - Pablo Vegas, ERCOT CEO
 - Rep. Todd Hunter, House State Affairs Committee Chair
 - Dr. Robert Mace, The Meadows Center
- Sessions on metering issues, emerging technology (DER), natural gas, load management (AMI), TCOS case history, and federal political updates

PEC Campers Meet a Lineworker!

- In-person Camp Save-A-Watt event
- 200 campers and local children met PEC staff and lineworkers in late July
 - Bertram
 - Cedar Park
 - Kyle
 - Spring Branch
- Learned about electrical safety, tried on lineworker PPE, and participated in story time with PEC lineworkers reading
- Partnered with library programs



Apply Today for a PEC Community Grant

- Local nonprofits are encouraged to apply for PEC Community Grants
- Deadline to apply is Monday,
 October 2
- Grants of up to \$5,000 available
- More than \$365,000 invested in our communities since 2016
- Funded 100% through cooperative's Power of Change program

POWER of CHANGE





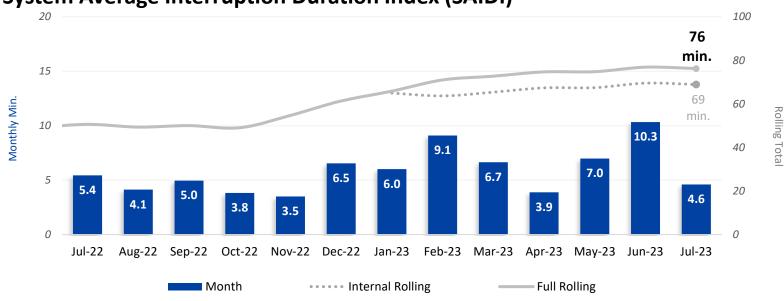
Operations Report

Eddie Dauterive I Chief Operations Officer

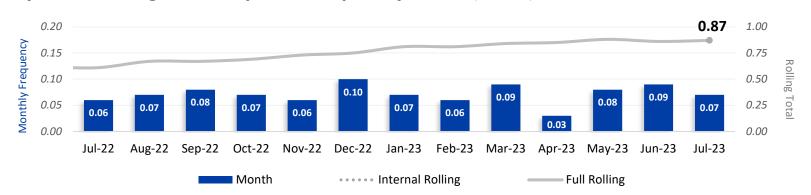
2. Operations Report

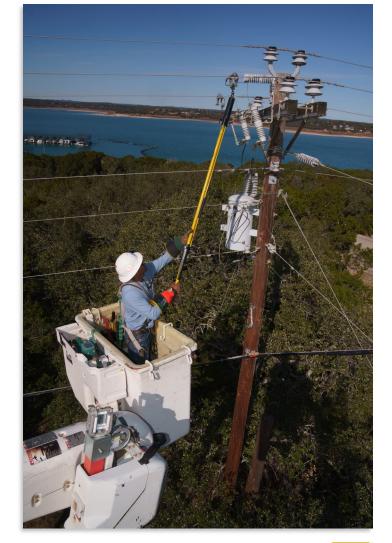
Reliability

System Average Interruption Duration Index (SAIDI)



System Average Interruption Frequency Index (SAIFI)







2. Operations
Report

Outage Management

Completed

Improvements or system configurations for significant outage events:

- A new EOP distribution group and process for member outage escalations.
- Replaced and improved the system for member outage entries via phone.

Projects Launched for Completion by EOY 2023:

- Targeted Messaging Project will offer an accelerated method for texts and emails to members in specific locations with customized updates (Aug. completion).
- Auto-ping capability to verify outages (Sep.)
- Campaigns to critical load and medical necessity (Dec.)
- Website redesign (Dec.)

In Development (for completion EOY 2023)

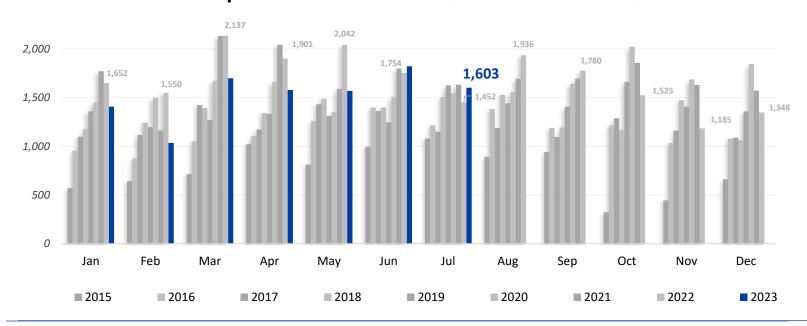
- Outage map A new member-facing system is being developed. By integrating with our existing OMS systems the new site will offer broader messaging, outage reporting, and status updates directly from the outage map site.
- Mutual aid process Captured feedback from PEC's recent experiences with receiving and providing mutual aid. A
 workgroup is incorporating feedback into a more robust onboarding process for PEC.



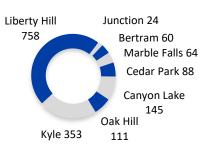
2. Operations Report

System Growth

Line Extensions Completed 2019: 16,640 2020: 19,458 2021: 20,592 2022: 20,262 2023 YTD: 10,719



Line Extensions Per District (1,603)



Miles of Distribution Line: Underground: 7,031 (29%)

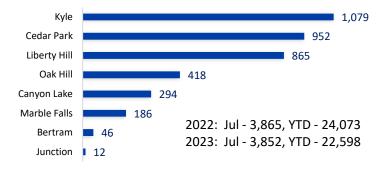
17,675 (71%)

Total: 24,706

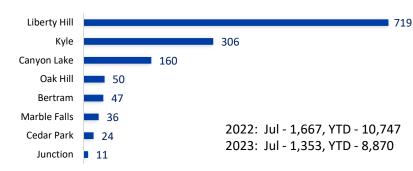
Overhead:



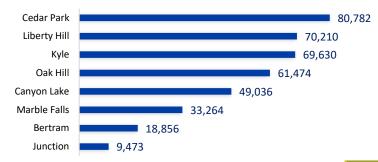
Member Applications (3,852)



Meter Growth (1,353)



Meter Totals (392,725)





2. Operations Report

AMI Deployment

Deliveries and Exchange Schedule

Estimated completion dates dependent on continued fulfillment of meter delivery.

Meters exchanged since deployments restarted:

23,918

Total RF meters installed coop-wide as of August 1:

167,500

Projected full completion:

End of 2nd Qtr 2024

Projected district completions:

CP: Aug. 23 MF: Apr. 24 KY: Dec. 23 BT: May. 24 OH: Feb. 24 CL: Jun. 24

Member Messaging

Two weeks prior to scheduled exchanges, members receive a series of notifications:

- Letters and emails (2 weeks prior)
- Calls and texts (2 days prior)
- Handouts, hangers, and letters as needed.

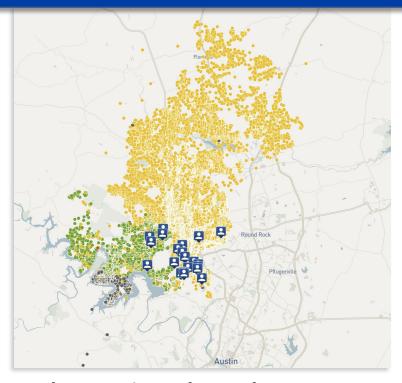
Correspondence Completed in July:

• Letters: 39,304

• Emails: 33,554

• Calls: 6,576

• SMS: 983



Exchanges in Cedar Park:

• Placed: 22K

• Remaining: 21K

Resume Date: May 22, 2023

• Est. Completion: August 2023

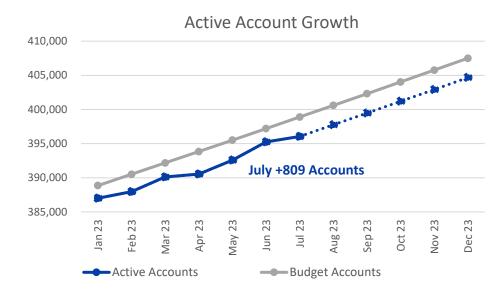


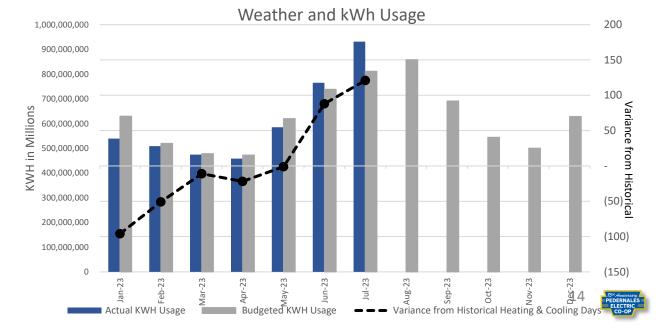
July 2023 Financial Report Randy Kruger I Chief Financial Officer

Finance at a Glance – July 2023

	MTD (\$ in millions)						YTD (\$ in millions)					
		Actual		Budget		Variance		Actual		Budget		Variance
MWH Sold		931,271		811,267		120,005		4,260,835		4,269,826		(8,991)
Gross Margins	\$	40.3	\$	34.5	\$	5.8	\$	208.9	\$	203.6	\$	5.3
Net Margins	\$	16.1	\$	7.5	\$	8.6	\$	29.9	\$	20.6	\$	9.3
EBIDA	\$	26.9	\$	19.6	\$	7.3	\$	106.7	\$	108.1	\$	(1.4)
Revenue O/(U)	\$	7.2	\$	2.8	\$	4.4	\$	29.0	\$	9.0	\$	20.0
EBIDA(X)	\$	34.1	\$	22.5	\$	11.6	\$	135.7	\$	117.1	\$	18.6
Long-Term Debt							\$	1,043.3	\$	1,087.4	\$	44.1

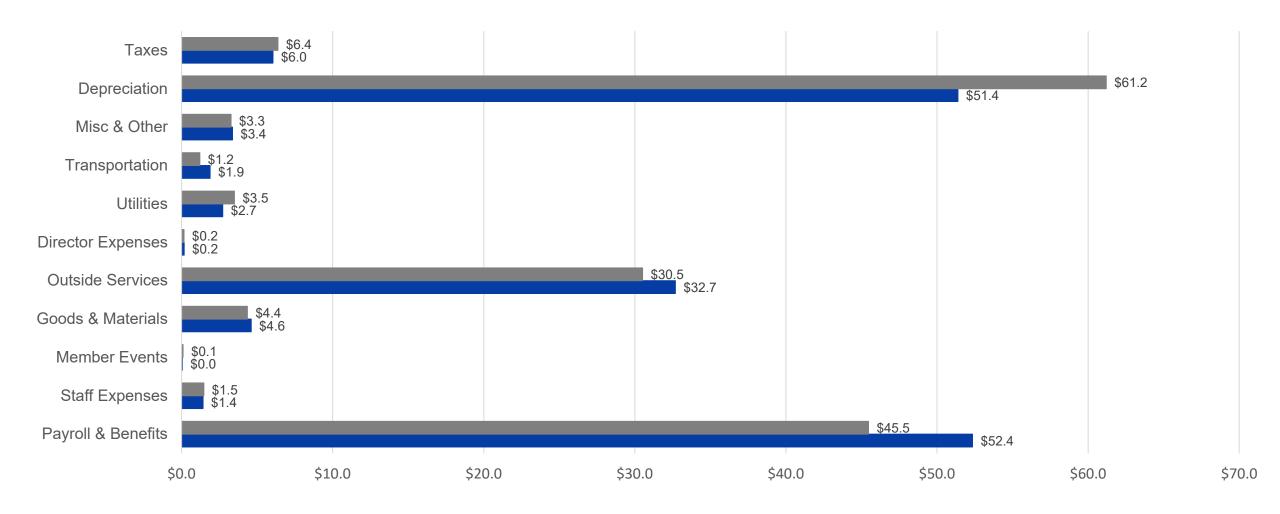
	Liqu	idity Coverage
Cash & Marketable Securities	\$	13,918,541
Short Term Facilities		505,000,000
Less: Short Term Borrowings		19,988,322
Available Liquidity	\$	498,930,219
Liquidity Coverage (Days)		261





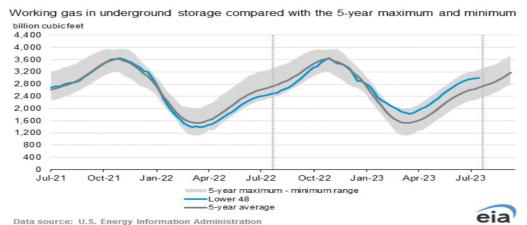
Note: Preliminary Financial Results

Cost of Service (in millions) YTD Actuals vs Budget through July 2023



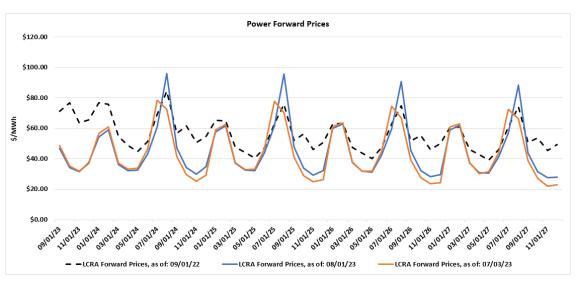


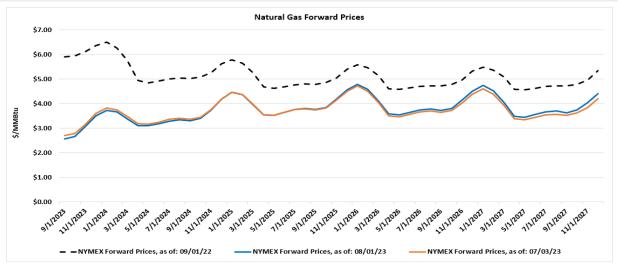
Power Market Fundamentals

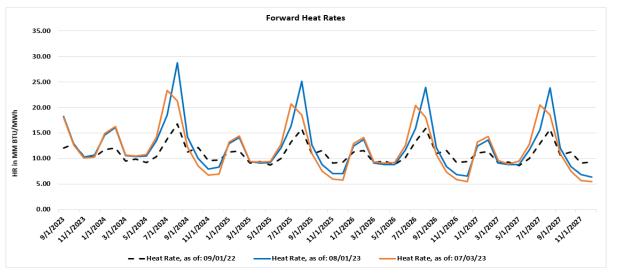


Note: The shaded area indicates the range between the historical minimum and maximum values for the weekly series from 2018 through 2022. The dashed vertical lines indicate current and year-ago weekly periods.

As of August 8



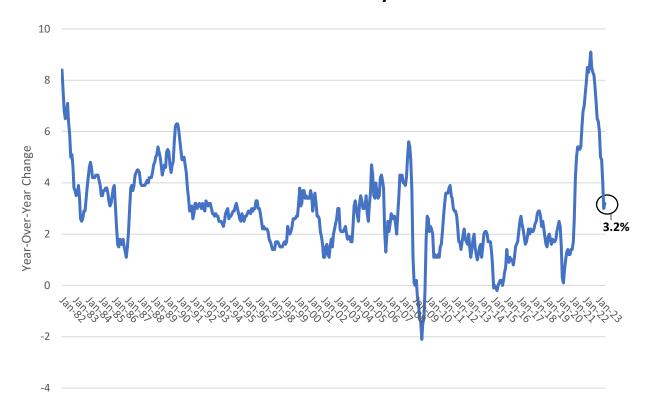




Inflation

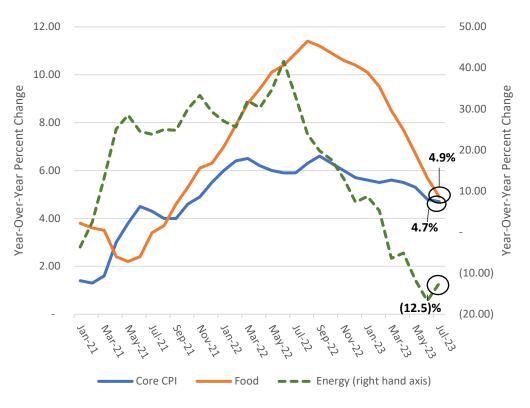
Overall CPI had a slight uptick in July to 3.2% from 3.0%; Core CPI has dropped below the previous range of 5.0%-6.0% to 4.7%; Energy prices decline YoY driven by transportation fuel (-20.3%), fuel oil (-26.5%), and utility gas services (-13.7%) offset by increases to electricity (+3.0%) prices

CPI Jan 1982 to July 2023



Source: U.S. Bureau of Labor Statistics

Core CPI, Food and Energy Jan 2021 to July 2023

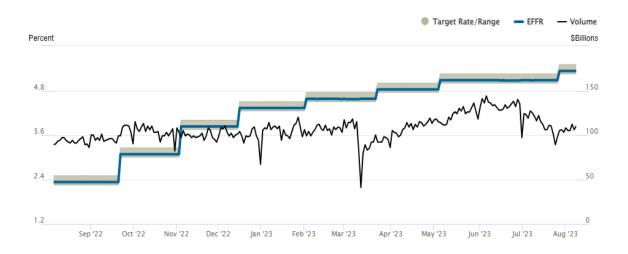


Source: U.S. Bureau of Labor Statistics

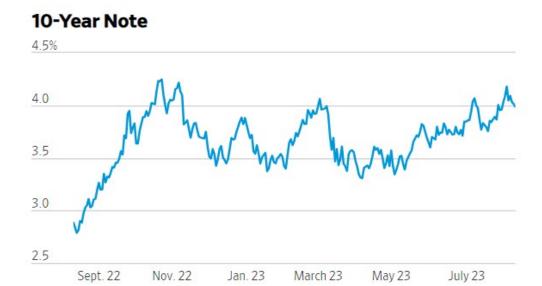


Interest Rates

Federal Funds Rate



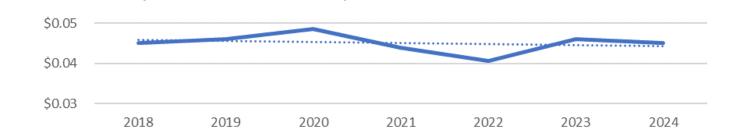
Source: Federal Reserve Bank of New York 8/8/2023



Source: The Wall Street Journal 8/10/2023

PEC Cost Structure

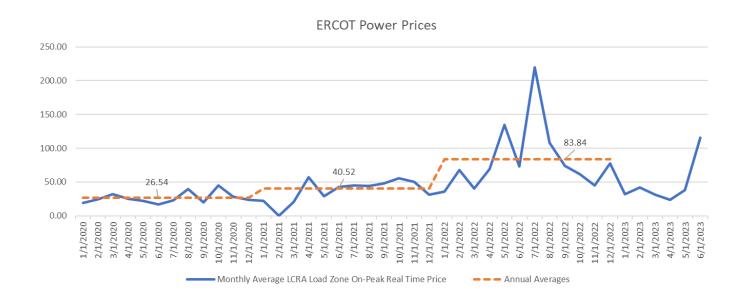
- Non-power supply costs account for 45% of bill
- Despite 18% inflation since 2020 these costs have remained flat



Opex, Maintentance Capital and Debt Service Per kWh

..... Linear (Opex, Maintentance Capital and Debt Service Per kWh)

Opex, Maintentance Capital and Debt Service Per kWh



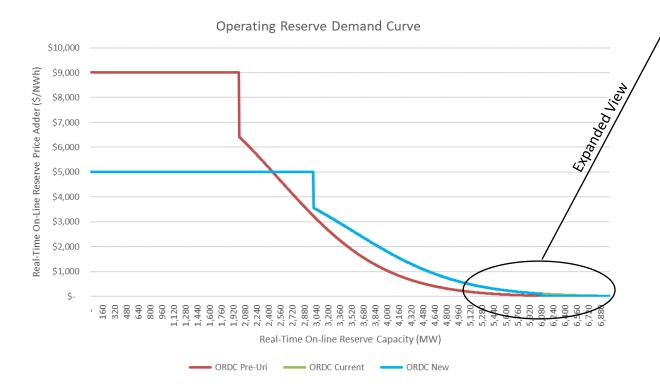
- Power Supply costs account for 40% of bill
- ERCOT power supply costs have dramatically increased
- ERCOT Transmission charges represent remaining 15% of bill

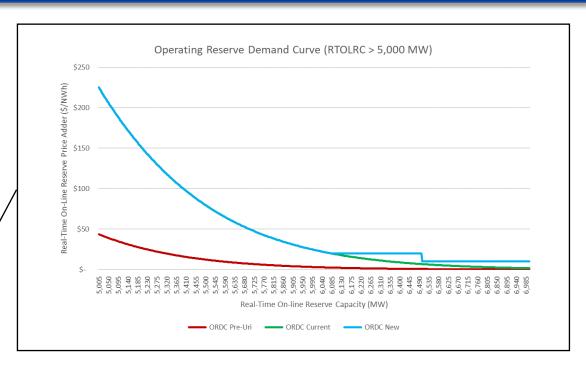
Operating Reserve Demand Curve Changes

January 2022 ORDC changes

- lower cap to \$5,000/MWh
- Increase Minimum Contingency Level to 3,000 MW

Impact: increased the cost of energy by \$1.7 billion from the previous year (total Real-Time On-Line Reserve Price adder value in 2022 = \$3.0 billion)





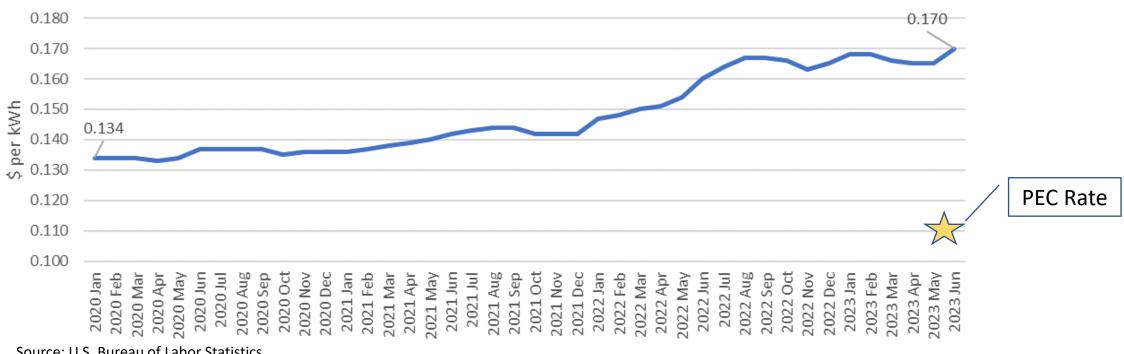
August 2023 ORDC changes

- Set floor prices
- \$20 for Real-Time On-Line Reserve Capacity ≤ 6,500 MW
- \$10 for Real-Time On-Line Reserve Capacity ≤ 7,000 MW

Impact: estimated to increased the cost of energy by ≈ \$0.5 billion

U.S. Electric Prices Continue to Increase





Source: U.S. Bureau of Labor Statistics



Workforce and Governance Report

Don Ballard I General Counsel

4. Workforce and Governance Report

July Employee Development

Employee Training

Hours for employees and leadership overall by month



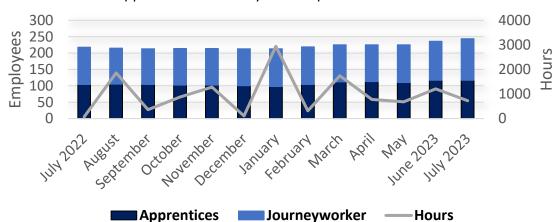
Leadership Training

Hours for employees and leadership overall by month



Apprentices & Journeyworker Training Hours

Hours trained for Apprentices & Journeyworkers per month



Safety Training Hours

Safety training hours per month



Safety Team Rolls Out New Safety Manual

- On August 1, the Safety Team debuted a new safety manual for all employees
- Utilizing American Public Power Association (APPA) Safety Manuel
- Premier source of information for electric utility safe-work practices
- Revised since last publication to include several new OSHA, NESC, and other federal and industry standards



4. Workforce and Governance Report

Safety Hosts Apprentice Open House







Employee Development Spotlight



Dylon Jackson

Dylon is a Lineworker Apprentice 1B with our Substation and Transmission maintenance group. Dylon recently attended training for the distribution side of linework and impressed trainers with his knowledge, excelling through the coursework and averaging above 97% on all his tests.



Greg Woodlief

Greg is a Lineworker Apprentice 1B in Liberty Hill. Safety trainers have noted that Greg has shown a strong willingness to learn and has helped fellow students in class. Greg has a great attitude in addition to passing all of his tests and competencies

Department Highlights

- Continued to move more safety instruction online for easy access; available at the first of every month
- Seven apprentices completed their Year 2 instruction in July
- Conducted a Learning to Lead course
- Hosted Crucial Conversations classes with district leadership

4. Workforce and Governance Report

Federal Regulatory Engagements

Federal Energy Regulatory Commission (FERC) Joint Federal-State Task Force on Electric Transmission

FERC Commissioners, state public utility commissioners, and stakeholders including PEC staff attended a task force in Austin on July 16 to address energy transition requiring the efficient development of new transmission infrastructure.

Topics included:

- Grid Enhancing Technologies presented by the Electric Power Research Institute (EPRI)
- Cost comparisons between new technologies and traditional transmission buildout, and performance-based ratemaking for cost recovery

4. Workforce and Governance Report

Federal NARUC Regulatory Engagements

National Association of Regulatory Utility Commissioners (NARUC) - Policy Summit

More than 1,000 state and federal regulators and their staffs; industry representatives; consumer advocates; and other stakeholders, including PEC staff, attended the meeting in Austin on July 16-19.

Topics included:

- 20-year anniversary and lookback on the 2003 Northeast Blackout and today's readiness including cyber risks and grid black start capabilities
- Thermal generation retirement impacts and the EPA's recent regulations
- The consumer cost of Clean Energy Goals

TRE/NERC Regulatory Engagements

Texas Reliability Entity (Texas RE) - Grid Transformation Workshop

Texas RE held a special Grid Transformation Workshop with the Public Utility Commission and North American Electric Reliability Corporation (NERC) and stakeholders, including PEC, on July 20 to explore aspects of new grid technology

Topics included:

- Fostering a reliable commissioning and interconnection process
- Securing an increasingly dispersed grid in cyberspace
- Modeling and planning for an increasingly diverse and variable grid



Community and Member Engagement

JP Urban EVP, External Relations

5. Member and Community Engagement

Back to School is Brighter with PEC



5. Member and Community Engagement

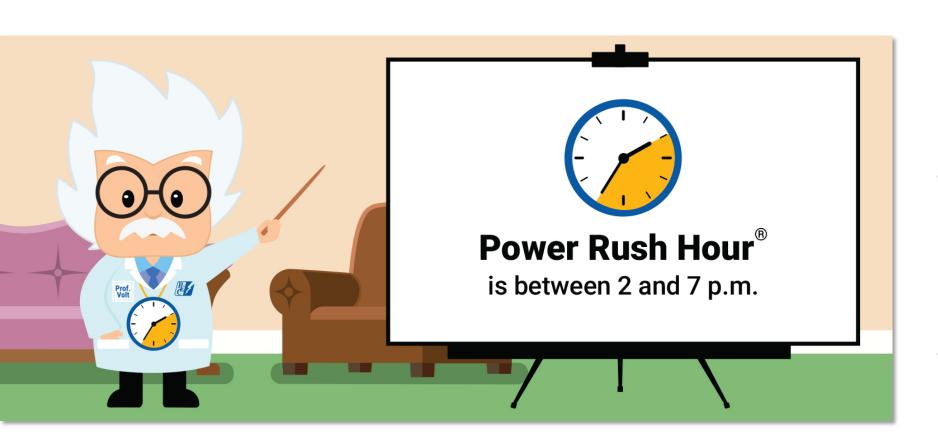
85th Anniversary Celebrations Continue

- In October, PEC will join with members across the cooperative to celebrate its 85th birthday
- In partnership with senior centers and local senior advocacy organizations, PEC will host 85th birthday events
 - October 3 Kyle
 - October 6 Marble Falls
 - October 10 Bulverde/Spring Branch
 - October 20 Johnson City
 - October 25 Cedar Park
 - October 26 Dripping Springs



5. Member and Community Engagement

Power Rush Hour Continues



- PEC continues to
 educate members and
 the public through
 Power Rush Hour
- Demand peaks
 determine
 transmission costs for
 the following year
- By working together,
 PEC members can help
 us control future
 transmission costs



Appreciation and Look Ahead

Employee Kudos*



Brandon Butts

Electrical

Distribution

Designer, Lead

Liberty Hill



David Landry
Member Relations
Field Technician
Railyard



Julie Behrens
Member Relations
Analyst: Commercial
& Industrial Accounts
Marble Falls



Jared Koennecke
Energy Services
Advisor, Senior
Technology Center



Ashley Rivers
Member Relations
Agent
Marble Falls





Appendix Pages From Operations and Financials Reports

Distribution Maintenance

Pole Testing & Treatment (PTT)

Poles Inspected & Treated

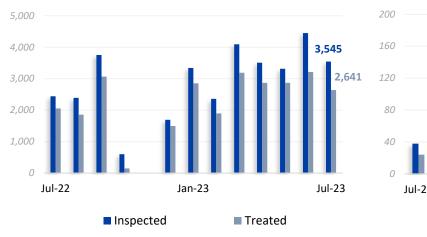
2022 YTD: Inspections - 28,594 2023 YTD: Inspections - 24,630 Treated - 22,859

Treated - 19,540

Poles Rejected & Replaced/Restored 2022 YTD: Rejected - 441, Restored - 311

2023 YTD: Rejected - 355, Restored - 559

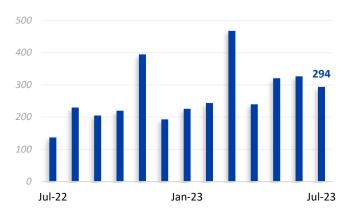
■ Rejected



Jul-22 Jan-23 Jul-23

Underground Equipment URD Pad Restorations

2022 YTD: Restorations - 1,460 2023 YTD: Restorations - 2,120



Vegetation Management LiDAR Assessment Audits:

Туре	Jan	Feb	Mar	Apr	May	Jun	Jul
C&D WUI 3 Phase	50	239	458	841	133	46	14
C&D WUI 1 Phase	335	331	1,245	806	1,389	1,015	581
C&D Other 3 Phase	49	29	110	122	206	252	143
C&D Other 1 Phase	362	161	95	235	852	600	534
All C&D	796	760	1,908	2,004	2,580	1,915	1,272

Wildland Urban Interface (WUI):

■ Replaced/Restored

C&D WUI 3-Phase 98% Complete **C&D WUI 1-Phase** 55% Complete

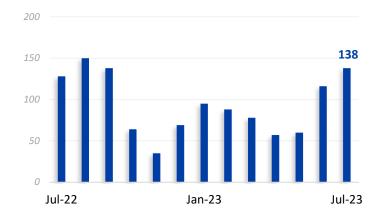


Distribution Maintenance

Technical Services

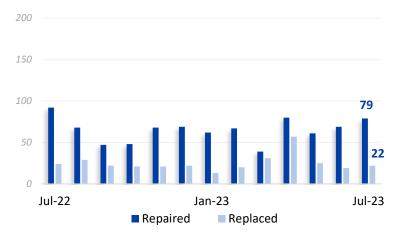
Equipment Inspections

2022 YTD: 820 2023 YTD: 632



Equipment Repaired & Replaced

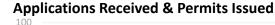
2022 YTD: Repaired - 526, Replaced - 160 2023 YTD: Repaired - 457, Replaced - 187



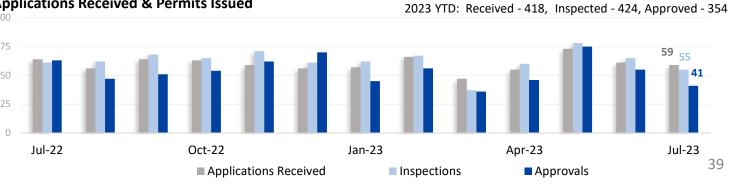




Pole Contacts

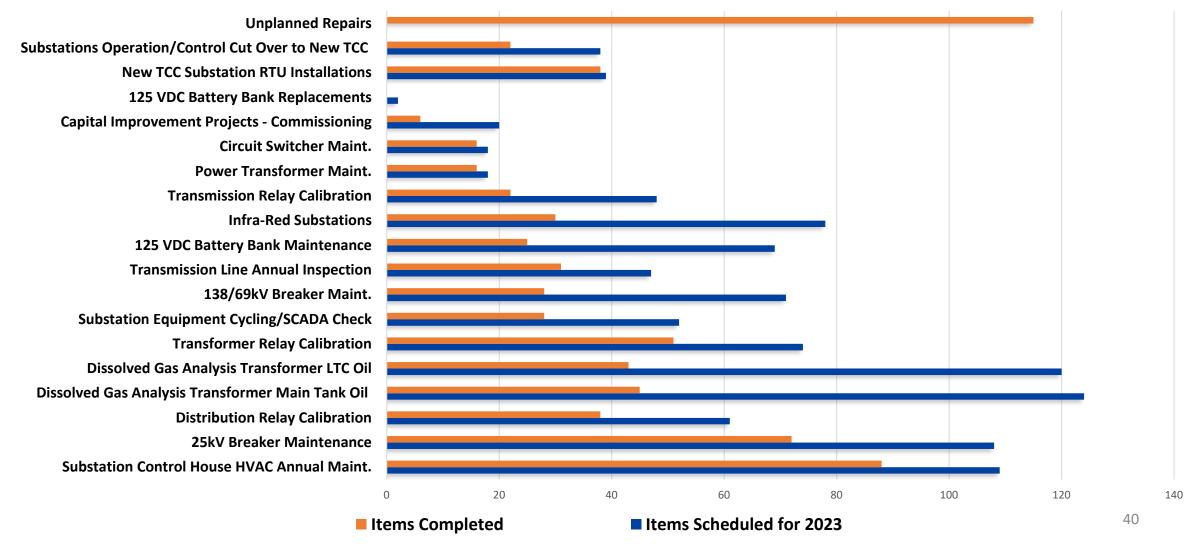


2022 YTD: Received - 450, Inspected - 461, Approved - 414

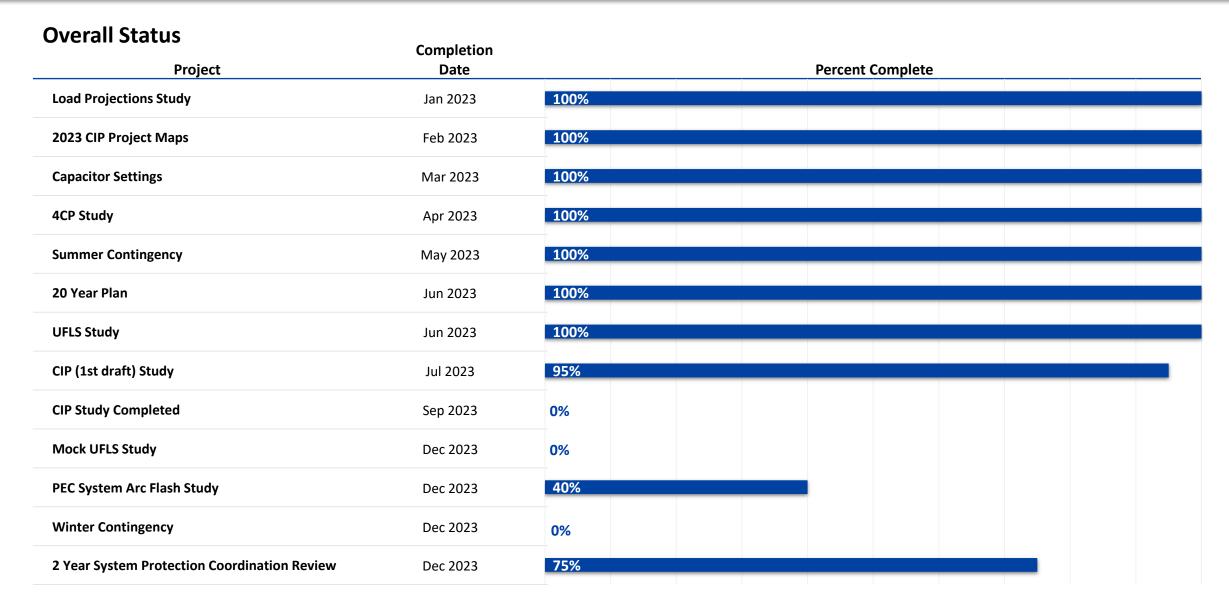


Substation & Transmission Maintenance

2023 Itemized Maintenance By Equipment



Planning Engineering Projects

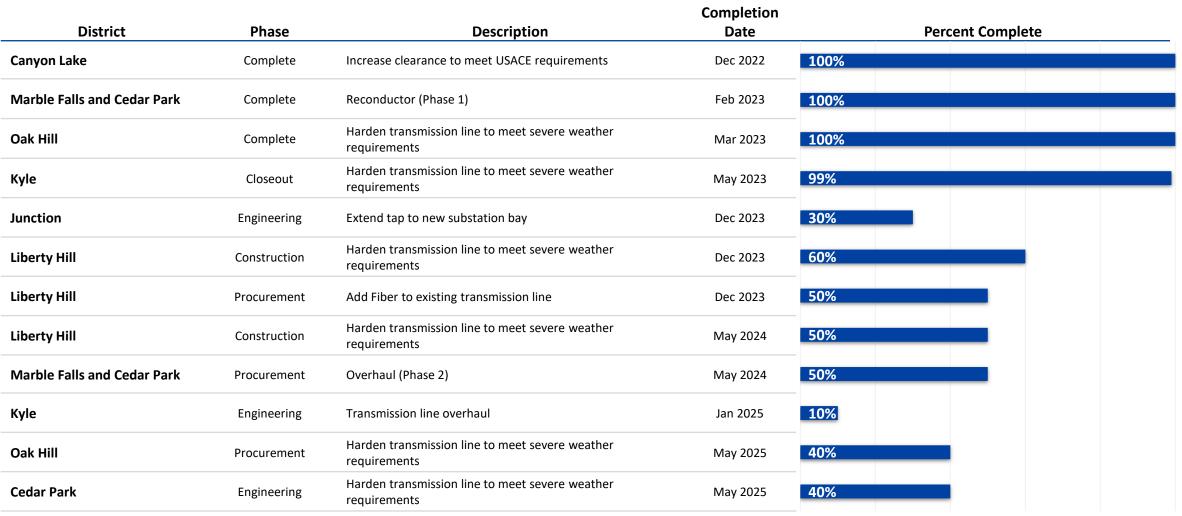


Substation Engineering Projects

			Start	Completion	
District	Phase		Date	Date	Percent Complete
Cedar Park	Construction	Upgrade bus to double-bus double-breaker	Apr-21	Apr-23	100%
Oak Hill	Construction	Upgrade line protection relay panels	Apr-21	May-24	75%
Junction	Construction	Upgrade transformer and add line breakers	May-21	Oct-23	92%
All Districts	Construction	Upgrade circuit switches and relay protection on three mobile substations	Nov-21	Jun-23	100%
Liberty Hill	Construction	Construct new substation	Dec-21	Dec-23	80%
Liberty Hill	Construction	Add third power transformer	Apr-22	Aug-23	97%
Kyle	Construction	Add third power transformer	May-22	Jul-23	100%
Bertram	Construction	Upgrade power transformer	Jun-22	Sep-23	89%
Cedar Park	Construction	Make improvements to ground grid for reliability	Aug-22	Apr-23	100%
All Districts	Engineering	Develop transmission protection philosophy for protective settings	Jan-23	Sep-23	86%
All Districts	Engineering	Develop configuration for engineering to have access to RTU settings	Nov-22	Dec-23	25%
Oak Hill	Engineering	Upgrade two power transformers	Feb-23	Jan-25	24%
Liberty Hill	Engineering	Upgrade power transformer	Feb-23	May-24	37%
Cedar Park	Engineering	Add third power transformer	Feb-23	Nov-24	22%
Kyle	Engineering	Construct new substation	Feb-23	Nov-24	28%
Liberty Hill	Engineering	Construct new substation	Feb-23	Nov-24	28%
Oak Hill	Engineering	Add feeder breaker and feeder	Mar-23	Nov-23	63%
Oak Hill	Engineering	Add feeder	Mar-23	Nov-23	63%
Bertram	Engineering	Add circuit switcher on power transformer	Mar-23	Dec-23	50%
Kyle/Canyon	Engineering	Add substation capacitor	May-23	May-24	24%
Liberty Hill	Engineering	Add substation capacitor	May-23	May-24	24%

Transmission Projects

Overall Status



Facilities

Large Project Updates

Cedar Park

Construction for additional bathrooms underway. Expected completion in December.

Johnson City

Developing a master plan for the Haley Rd site. Fencing of new property lines nearing completion. Drainage design in progress. Design complete for 7,000 sq. ft. facilities warehouse, permit application submitted to the City of JC. RFP is pending.

Junction

Contractor has mobilized and is working on fencing and fuel island installation, expect completion by end of August. Design started for remodel of vet clinic into a fleet shop for the district.

Oak Hill Contact Center

Design phase near completion. Expecting to start construction in first week of September. Targeted completion for January 2024.

Marble Falls

Finalizing design, resolving encroachments, permit obtained for fencing, RFP is pending.

Oak Hill Fuel Island

Project awarded, long lead items on order. Permit received and construction started first week of August.





Facility Management Metrics

PEC Facilities staff complete approx. 400 orders/mo.

	Goal	2023 YTD	2022
Avg Response Time	< 1 day	.32	.54 days
Completed On-Time	> 90%	84%	79%
Proactive Work Orders	> 80%	93%	85%
Satisfaction Rating	> 95%	98.0%	100%



Appendix to July 2023 Financial Presentation to the Board

Randy Kruger | Chief Financial Officer

3. Financial Report

Financial Performance

Gross Margins
Operating Expenses Ex. Depreciation
Depreciation
Interest Expense
Other Income
Net Margins
EBIDA
Over (Under) Collected Revenues
EBIDA(X)
Total Long-Term Debt
Debt Service
Debt Service Coverage Ratio
Equity as Percent of Assets
Net Plant in Service
Capital Improvement Spend
Energy Sales kWh
Energy Purchases kWh
Active Accounts

MTD					YTD	Annual	2022 to 2023		
	Actual		Budget	Prior Year	Actual	Budget	Prior Year	Budget	% Change
\$	40,267,821	\$	34,535,113	\$ 34,873,596	\$ 208,889,050	\$ 203,580,167	\$ 202,982,463	\$ 352,088,225	2.91%
	15,903,585		14,902,158	13,345,270	105,300,941	96,418,520	84,125,625	166,658,781	25.17%
	7,198,444		8,375,909	8,204,655	51,378,480	61,194,543	62,505,783	108,552,698	
	3,641,361		3,747,117	3,837,388	25,386,765	26,295,701	26,110,398	45,173,483	
	(2,561,601)		(12,200)	(233,601)	(3,126,141)	(923,727)	(1,573,169)	(5,371,928)	
\$	16,086,032	\$	7,522,129	\$ 9,719,884	\$ 29,949,005	\$ 20,595,130	\$ 31,813,826	\$ 37,075,192]
\$	26,925,837	\$	19,645,155	\$ 21,761,927	\$ 106,714,250	\$ 108,085,374	\$ 120,430,007	\$ 190,801,372	-11.39%
	7,153,440		2,818,515	4,485,794	28,977,587	8,988,547	17,265,118	3,749,120	
\$	34,079,277	\$	22,463,670	\$ 26,247,721	\$ 135,691,837	\$ 117,073,921	\$ 137,695,125	\$ 194,550,492	
								\$ 1,114,322,192	
								65,690,519	
								2.96	
								39.6%	
								\$ 1,985,228,388	
								\$ 202,863,100	
	931,271,216		811,266,559	897,405,642	4,260,835,295	4,269,826,497	4,516,429,799	7,500,307,799	-5.66%
	984,139,782		867,326,346	935,578,000	4,553,408,011	4,565,892,576	4,786,839,153	8,019,713,349	-4.88%
					396,064	398,900	378,259	407,506	4.71%

3. Financial Report

EBIDA(X) Year to Date (in millions)



3. Financial Report

CIP Spend

							Variance			
			YTD		YTD		(Over)/Under			
Construction Category & Description			Actuals	1	Budget		Budget		Annual Budget	
Distribu	<u>ition</u>									
100	New Lines (Line Extensions for new primary, secondary and service lines)	\$	7,504,836	\$	-	\$	(7,504,836)	\$	-	
200	Tie Lines (new construction between existing lines)		2,477,732		5,971,944		3,494,212		9,608,071	
300	Conversions or Line Changes		11,858,340		15,961,477		4,103,137		27,514,015	
600	Miscellaneous Distribution Equipment		31,514,296		29,757,463		(1,756,832)		51,775,582	
700	Other Distribution Items		178,842		303,333		124,492		520,000	
Distribu	ition Total	\$	53,534,045	\$	51,994,218	\$	(1,539,827)	\$	89,417,668	
Substat	ion									
400	New Substations, Switching Stations and Meter Points	\$	6,614,549	\$	14,234,282	\$	7,619,733	\$	20,798,652	
500	Substations, Switching Stations and Meter Point changes		18,441,314		18,224,479		(216,835)		24,856,760	
Substat	ion Total	\$	25,055,863	\$	32,458,762	\$	7,402,898	\$	45,655,412	
Transm	ission									
800	New Transmission Lines	\$	343,079	\$	1,036,453	\$	693,375	\$	2,030,593	
1000	Line and Station Changes	,	3,729,408	,	6,244,811	,	2,515,402	,	19,698,276	
Transm	ission Total	\$	4,072,487	\$	7,281,264	\$	3,208,777	\$	21,728,869	
Genera	I Plant									
2000	Facilities	\$	5,864,034	\$	18,976,091	\$	13,112,056	\$	29,346,563	
3000	Information Technology	,	1,302,010	,	5,165,957	,	3,863,947	,	7,776,588	
4000	Tools & Equipment		165,134		290,081		124,947		438,000	
5000	Vehicles		1,567,746		4,958,333		3,390,588		8,500,000	
Total G	eneral Plant	\$	8,898,924	\$	29,390,462	\$	20,491,538	\$	46,061,151	
Accrue	d WP	\$	923,500	\$	-	\$	(923,500)	\$	-	
Total C	apital Improvement Plan Spend	\$	92,484,819	\$	121,124,705	\$	28,639,886	\$	202,863,100	



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