HURRICANE CITY
UTAH

Mayor
Nanette Billings

City Manager
Kaden C. DeMille

Power Board
Mac J. Hall, Chair
Jerry Brisk
Pam Humphries
Dave Imlay
Joseph Prete
Charles Reeve

Power Board Meeting Agenda

9/7/2022
3:00 PM
Power Department Meeting Room – 526 W 600 N

Notice is hereby given that the Power Board will hold a Regular Meeting in the Power Department Meeting room located at 526 W 600 N, Hurricane, UT. A silent roll call will be taken, along with the Pledge of Allegiance and prayer by invitation.

AGENDA

1. Pledge of Allegiance
2. Prayer
3. Approval of Minutes from August 2022

STAFF REPORTS

Scott Hughes/Power Director
Brian Anderson/Transmission & Distribution Superintendent
Michael Ramirez/Service Superintendent
Jared Ross/Substation & Generation Superintendent

OLD BUSINESS

1. Three Falls Substation Update
2. 1150 West Alignment Study Update
3. Power Rate Study Update
4. Solar Policy Update
5. Rocky Mountain Power Agreements Update

NEW BUSINESS

1. Consideration and possible creation of Distributed Energy Resources (DER) sub-committee to provide input on policy
2. Consideration of possible member suggestions for Distributed Energy Resources (DER) sub-committee
3. Discussion and possible recommendation regarding bylaws for Power Board members
4. UAMPS Updates
5. Budget

The Hurricane City Power Board met on August 3, 2022, at 3:00 p.m. at the Clifton Wilson Substation on 526 W 600 N.

In attendance were Chairman Mac Hall, Pam Humphries, Jerry Brisk, Joseph Prete, Charles Reeve, Dave Imlay, Scott Hughes, Brian Anderson, Mike Ramirez, Jared Ross, Fred Resch, Dayton Hall, Kaden DeMille, Paige Chapman and Crystal Wright.

Mac Hall welcomed everyone to the meeting; Scott Hughes led the Pledge of Allegiance and Dave Imlay offered the prayer. Dave Imlay motioned to approve minutes from the July 2022 meeting. Pam Humphries seconded the motion. Motion passed unanimously.

Scott Hughes: Scott Hughes provided an update on employees. There is still an open position for a Journeyman Lineman. The remaining employees have done great with workload while shorthanded. Scott provided a reminder about the UAMPS Member Conference. Crystal Wright will put packets together with information regarding the conference and get those delivered. Scott provided notification that the 1150 W Alignment Open House is tonight.

Brian Anderson: Brian Anderson reported on the Cordero project. This project has been stalled for a little bit while the contractor did some work. The existing 2800 West line had to be moved out of the way for Cordero to build the road and then the line will be replaced permanently on the west side of the road. There were poles lying outside of the Brentwood Substation for the 2800 West line. We relocated those poles inside the substation since the Cordero project has taken so long to prevent theft or destruction of those poles. We have straightened up the yard.

Mike Ramirez: Mike Ramirez reported on a pole fire that subsequently required an outage to replace the pole. The cause was from a branch which slid across the line and caused a fire to burn completely through the top of the pole. The crew supported it overnight until a full crew could go out the next morning. The pole was replaced, and repairs almost complete the next day. The loads came up and caused a fuse to burn causing another short outage while they replaced the fuse. Working on re-distributing loads between circuits to proactively address loads increasing on some circuits more quickly than others. Provided an update on employee applications for the open position.

Jared Ross: Jared Ross reported on the Three Falls Substation. This project has been stagnant for a little bit. We have been working on putting a fence back up down there so they can bring cows back in there. Reported on the Generator #9 air permit. The draft has been written and sent up to the state for review. We should be getting a copy of the draft to review. We have called into Wheeler to extend the deadline on the generator purchase. Reported on the generator run for the 2022 summer season. We’ve had a good run so far and have had a few problems with some of the transformers on the generators. This is due to age of those transformers.

Any shutdowns have been minor and quick to resolve. He reported on the T2 transformer that was installed out at the Brentwood Substation. A bump in the current on the system caused a differential relay error that tripped the Brentwood Substation out of service. He has researched the settings and wiring from the T2 compared to the T1 settings/wiring to investigate. He is confirming findings and any discrepancies before re-energizing that T2 transformer.

Power Rate Study Discussion: Mac Hall requested to move this item agenda up to make sure we could get through this information. Paige Chapman and Kaden DeMille presented information received through Zions Bank as part of the rate study. Kaden DeMille discussed the reasons the rate study was started and a necessary step to bond to pay for the capital project items that are needed. Explained the ability to change different things to see what changes would need to be made to have the cash flow available to bond. Some concerns include the rising cost of other items on the utility bill. Sewer and water rates have increased or will be increasing. Pam Humphries brought up impact fees. Kaden DeMille explained that it is not possible to bond against impact fees, but impact fees can be used to make bond payments. Kaden explained he would like input from the group regarding what direction they would like to see as far as changes to rates. Dave Imlay discussed raising the percentage the City Council had chosen to charge from the last impact fee study from 75% instead of 100%. Discussion about other ideas that would be possible as changes that could be made regarding rates. We need to research where the information regarding the percentage of impact fees was decided. We could increase the impact fee rate to the full 100% of the impact fee study. Scott Hughes asked the board if they would rather see a bigger increase this year and smaller incremental increases after that or smaller incremental increases more often. The consensus was smaller incremental increases more often. This is an easier adjustment for fixed income residents.

AMI Update: Michael Ramirez reported on the AMI update. Honeywell is getting us a good plan on how to spend the money that was in the budget from last fiscal year. They have our information and we’re waiting for some information back. Looking at getting some meters and collectors to start testing the system.

Three Falls Substation Update: This was discussed earlier in the meeting.

1150 W Alignment Study: This was discussed earlier in the meeting.

Rocky Mountain Power Agreements Discussion: Scott Hughes reported the contracts with Rocky Mountain Power are due to expire the end of August 2022. We agreed to sign the new contracts for a 5-month period. Rocky Mountain Power is governed by Federal Energy Regulatory Commission (FERC), and we are governed by our City Council. We’re currently working on working through rates with them. Dave Imlay suggested that we need to contact UAMPS regarding this. There are separate rules regarding being a transmission provider without incurring additional heavy regulations. We are currently not a transmission provider. It is currently set up as a pass through only.

UAMPS Updates: Scott Hughes stated there were lot of updates at the July UAMPS meetings. He provided information from those meetings in the packets and will not cover it unless there are questions. Charles Reeve requested an update regarding CFPP. Scott Hughes reported this project is still on schedule. He also reported the San Juan project is scheduled for shut down this fall. The Enchant project has substantial roadblocks but is still moving forward. He explained the pool and PX information that had affected the changes this year. The solar projects are still struggling partly due to material constraints. He reported that we need some approval to proceed with investigation into a geothermal project. By consensus, the board agreed to allow Scott to pursue spending money for the interest in this geothermal project we signed up for.

Budget: Scott Hughes stated that due to time constraints we will not discuss budget items because they were included in the packet.

The Power Board adjourned at 4:30 p.m. The next Power Board Meeting is scheduled for September 7, 2022, at 3:00 p.m.

CARBON FREE POWER PROJECT UPDATE
AUGUST 2022

Nuscale Design Certification

- NRC recently announced it will issue the final rule that provides a Design Certification for NuScale's technology (for the 50 MWe, 12-pack design)
- This is a key milestone for NuScale and further formalizes the NRC's endorsement of the technology
- Note that the CFPP design is a different configuration than the Design Certification (50 vs. 77 MWe, 12 vs. 6-pack)
- CFPP is building upon the work that was the basis of the 50 MWe Design Certification, but we still have significant licensing effort to go (SDA, COLA)

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NRC certifies NuScale SMR for US use

1 August 2022

Print Email

The US Nuclear Regulatory Commission (NRC) has said that it directed staff to issue a final rule that certifies NuScale's small modular reactor (SMR) design for use in the United States. The certification's effective date is 30 days after the NRC publishes the rule in the Federal Register.

NRC said certification means the design "meets the agency's applicable safety requirements". An application for a NPP combined licence that references a certified design "will not need to address any of the issues resolved by the design certification rule". Instead, the combined licence application and NRC's safety review would address any remaining safety and environmental issues for the proposed nuclear power plant. The design certification "approves the NuScale reactor's 'design control document', which is incorporated by reference in the final rule".

NuScale submitted an application to NRC in December 2016, to certify the company's SMR design for use in the United States. NRC said staff met its schedule goals for completing its technical review. The design uses natural, "passive" processes such as convection and gravity in its operating systems and safety features, while producing up to approximately 600

NuScale SPD and SDA Update

- Standard Plant Design (SPD) is on track for completion in Q4 2022
- Standard Design Application (SDA) submittal to the NRC is on schedule for a December 2022 submittal
- Licensing Topical Reports (LTR) are being reviewed by the NRC and are on track
  - Emergency Planning Zone LTR planned to receive Advisory Committee on Reactor Safeguards (ACRS) review by end of 2022

Class 3 Estimate Update

- Class 3 Estimate (-20% / +30%) review and refinement continues
- EPC (Fluor)
  - CFPP visited Fluor Houston office on July 25-27 to kick-off face-to-face, deep-dive review meetings on EPC content
  - CFPP follow-up meetings with Fluor this week on August 16-17 in Houston
  - Focus areas included home office costs, indirect costs, productivities, basis of contingency
  - Conceptual design and budgetary bid processes were methodical and robust
  - Estimate is clearly reflective of Class 3 pedigree

Class 3 Estimate Update

- OEM (NuScale)
  - Deep dive reviews occurred at NuScale offices August 1-4. Second set of face-to-face reviews likely to occur in late September.
  - Key take-away: ~90% of equipment estimates are supported by vendor estimates
  - Supply chain being refined – will likely include both domestic and international suppliers
  - Key areas of interest:
    - fabrication plan for large vessels
    - large reactor crane
    - FOAK components
    - NPM assembly details
    - vendor oversight approach
    - clarifying responsibilities after NPMs arrive on site

UAMPS SMARTENERGY

Class 3 Estimate Update

- Owner's Cost
  - Collective CFPP effort
  - Conceptual designs & estimates complete
  - Gathering commercial estimates
    - Insurance, taxes, bonds/LOC, water acquisition, etc.
  - Captures interfaces between OEM, EPC & M&O
  - Refining home office staffing
  - Planning internal estimate review
- CFPP planning for PMC discussion in Sep-Oct

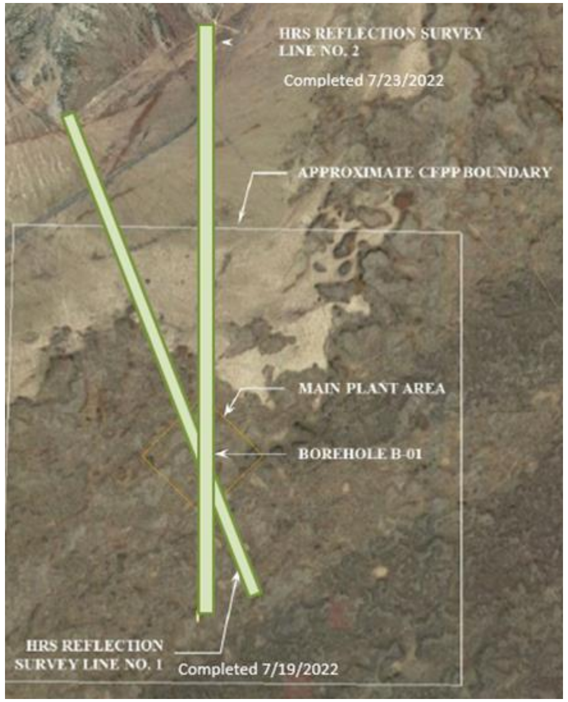
Combined License Application (COLA) Update

- The COLA Project remains on schedule and slightly under budget
  - Cumulative progress at the end of July is 32.8% and aligns with the Re-baseline Plan.
  - Overall project Schedule Performance Index (SPI) is 1.01, and Cost Performance Index (CPI) is 1.05
- The COLA Review Process started in late July
  - The Certrec process for COLA Section/Chapters/Parts review in progress
  - CFPP and Xcel is reviewing the COLA in parallel with the Fluor Team

CFPP Field Activities

July – Early August Field Activities:

- Team completed Seismic Reflection Surveys - 7/23/2022
- Performed monitoring well sampling on all 10 wells
- **All geological field investigations completed**
  - Environmental monitoring continues
    - Met Tower and Ground Water



Seismic Reflection Survey Lines Completed

Well Sampling Activities

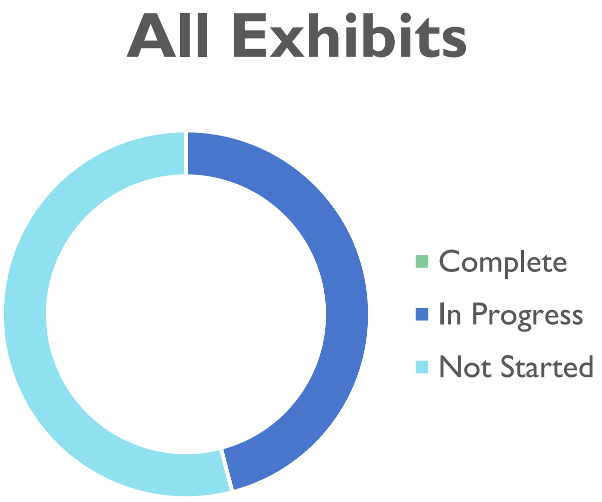
Seismic Reflection Hammer Rig Activity

XNES Operations Update

- Xcel Nuclear Energy Services (XNES) is continuing to add subject matter experts as required in the areas of operations, training, security, outage planning and emergency planning
- XNES is continuing to develop Operating Costs for the Class 3 Estimate
- Ready to Operate Plan (RTOP) – In XENS internal reviews – expect to issue this month
- Training Program Pathway (INPO or NRC)
  - Continuing XENS internal reviews
  - Will align with CFPP prior to any outside engagement

Contracts Update

- OEM Contract – Progressing well through virtual meetings, with face-to-face meeting in Portland last week of August
- EPC Contract – Structured similarly to OEM Contract, so OEM negotiations support EPC Contract as well; will be finalized after OEM Contract
- M&O Contract – Progressing with regular ongoing engagement
- Integration Agreement – CFPP prepared draft under review by NuScale and Fluor
- Contract Exhibits and Attachments – Nearly 50% of contract exhibits are in draft development and review.



International Visits

- Japan Bank for International Cooperation Visit - Aug 4
  - Visited CFPP Site – Observed Bore Holes & Overall Site
  - JBIC is a NuScale Investor
  - 7 JBIC representatives, plus other advisors
- ČEZ Group Visit to UAMPS/CFPP in SLC – Aug 18
  - 10 Representatives Planned
  - Czech Republic Utility Conglomerate – MOU with NuScale
    - Conglomerate of 96 companies, 72 of them in the Czech Republic
    - Core business: Generation, Distribution, Trade In, and Sales of Electricity and Heat
    - Currently operates the Dukovny and Temelin nuclear sites in the Czech Republic
    - Interested in building SMR on the Temelin site and then subsequently duplicate that deployment at 2-3 coal sites
- SNN - Romanian Visit to UAMPS/CFPP in SLC - Aug 31
  - Societatea Nationala Nuclearelectrica SA (SNN) – State owned Romanian nuclear energy company
  - Teaming Agreement with NuScale to Evaluate and Deploy SMR
  - Currently operate 2 nuclear plants at Cernavodă

Discussion of CFPP Site Characterization with JBIC

UAMPS SMARTENERGY

Geothermal Opportunities

RESOURCE COMMITTEE UPDATE

AUGUST 17, 2022

Geothermal RFP Status

- Have reached out to Power Engineers to assemble the RFP
- Power Engineers has provided quote for RFP service at $75,691
  - Includes data gathering, RFP documents, proposal evaluation criteria, and bid evaluations
  - Discussions with Power Engineers resulted in common understanding for the RFP with an example document
  - Power Engineers provided additional information on personnel experience

Geothermal RFP Plan

- Project will start 9/5/2022
- Final RFP package scheduled for 11/7/2022
- Assume a month for response time
- Two weeks for proposal analysis
- Anticipate end of year for results
- Request that study budget approval is ratified from last PMC discussion

GEOTHERMAL STUDY PROJECT

PARTICIPANTS	KW AMOUNT	ENTITLEMENT %
Beaver City	1,000	1.25%
Blanding City	350	0.44%
City of Bountiful	10,000	12.52%
Brigham City	3,000	3.76%
Enterprise City	500	0.63%
Ephraim City	300	0.38%
Fairview City	100	0.13%
City of Fallon	2,000	2.50%
Heber Light & Power	5,000	6.26%
Hurricane City	3,000	3.76%
Idaho Falls Power	5,000	6.26%
Kaysville City	4,000	5.01%
Lehi City	10,000	12.52%
Logan City	8,000	10.02%
Los Alamos County	5,000	6.26%
Morgan City	100	0.13%
Payson City	2,000	2.50%
Plumas-Sierra	5,000	6.26%
Price City	5,000	6.26%
SUVESD	500	0.63%
Springville City	3,000	3.76%
Truckee-Donner PUD	3,000	3.76%
Washington City	4,000	5.01%
TOTAL	**79,850**	**100.00%**

Notes: Lehi additional w/o Enchant, Plumus up to 10 MW

GPA UPDATE

Mike Squires
Government Affairs Director


FEDERAL UPDATE

ELECTION 2024

DeSantis edges out Trump among Florida voters in head-to-head match-up: survey

ELECTION 2024

- 10: Congresswoman Ocasio-Cortez
- 9: Governor Cooper
- 8: Governor Whitmer
- 7: Governor Newsom
- 6: Senator Sanders
- 5: Senator Warren
- 4: Senator Klobuchar
- 3: Vice President Harris
- 2: Secretary Buttigieg
- 1: President Biden

The Washington Post

INFLATION REDUCTION ACT (IRA)

Nuclear Energy Tax Provisions Inflation Reduction Act (IRA)

Tax Section	45	48	45Q	45Y	48D	45U
UAMPS qualifies	YES	YES	YES	YES	YES	NO
Baseline amount	0.3 cents/KWh of energy	6%	$17 for CO2 stored; $12 for CO2 utilized for beneficial use	0.3 cents/KWh of energy	6%	N/A
Alternative rate	1.5 cents/KWh of energy (prevailing wages and apprentice program requirements met)	30% (prevailing wages and apprentice program requirements met)	$85 for CO2 stored; $60 for CO2 utilized for beneficial use	1.5 cents/KWh of energy (prevailing wages and apprentice program requirements met)	30% (prevailing wages and apprentice program requirements met)	N/A
Start date	Unitl 2025 (converts to 45Y)	Until 2025 (converts to 48E)		2025	2025	N/A
Phaseout conditions	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%	Construction must begin before January 1, 2033	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%	N/A
Apprenticeship requirements	Construction begins before: 1/1/2023: 10%; During 2023: 12.5%; and After 1/1/24: 15%			2% if you qualify for the 0.3 cents; 10% if you qualify for the 1.5 cents	2% if you qualify for 6%; 10% if you qualify for 30%	N/A
Prevailing wages	5 years after placed in service	10 years after placed in service		After December 31, 2024	After December 31, 2024 (must be placed in service 4 years	N/A
Energy community multiplier	2% if you qualify for the 0.3 cents; 10% if you qualify for the 1.5 cents	2% if you qualify for 6%; 10% if you qualify for 30%		Add 10%	Add 10%	N/A
Placed in service	After December 31, 2024	After December 31, 2024 (must be placed in service 4 years)	[illegible]	Each year the 0.3/1.5 cent figure will be adjusted by multiplying the amount by the inflation adjustment factor = GDP implicit price deflator for preceeding year/GDP implicit price deflator for calendar year 1992	[illegible]	N/A
Domestic content (steel, iron and manufacturing in U.S. 100% of any steel or iron that is a component of the facility was produced in the United States, and (ii) 40% of manufactured products that are components of the facility were produced in the United States)	Add 10%	Add 2%	[illegible]	No later than January 1, 2025	No later than January 1, 2025	N/A
Inflation adjustment	Each year the 0.3/1.5 cent figure will be adjusted by multiplying the amount by the inflation adjustment factor = GDP implicit price deflator for preceeding year/GDP impliict price deflator for calendar year 1992	[illegible]	[illegible]	[illegible]	[illegible]	
Guidance issue date	No later than January 1, 2025	No later than January 1, 2025				
Act now and save provision	Entities will receive the full credit amount if construction of the facility begins prior to the date that is 60 days after the					
Carbon capture requirement			Captures no less than 18,750 metric tons of qualified carbon oxide			

Amended Production Tax Credits - § 45/48

Tax Section	45	48
UAMPS qualifies	YES	YES
Baseline amount	0.3 cents/KWh of energy	6%
Alternative rate	1.5 cents/KWh of energy (prevailing wages and apprentice program requirements met)	30% (prevailing wages and apprentice program requirements met)
Start date	Unitl 2025 (converts to 45Y)	Until 2025 (converts to 48E)
Phaseout conditions	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%
Apprenticeship requirements	Construction begins before: 1/1/2023: 10%; During 2023: 12.5%; and After 1/1/24: 15%	
Prevailing wages	5 years after placed in service	10 years after placed in service
Energy community multiplier	2% if you qualify for the 0.3 cents; 10% if you qualify for the 1.5 cents	2% if you qualify for 6%; 10% if you qualify for 30%
Placed in service	After December 31, 2024	After December 31, 2024 (must be placed in service 4 years)
Domestic content (steel, iron and manufacturing in U.S. 100% of any steel or iron that is a component of the facility was produced in the United States, and (ii) 40% of manufactured products that are components of the facility were produced in the United States)	Add 10%	Add 2%
Inflation adjustment	Each year the 0.3/1.5 cent figure will be adjusted by multiplying the amount by the inflation adjustment factor = GDP implicit price deflator for preceeding year/GDP impliict price deflator for calendar year 1992	
Guidance issue date	No later than January 1, 2025	No later than January 1, 2025
Act now and save provision	Entities will receive the full credit amount if construction of the facility begins prior to the date that is 60 days after the Secretary publishes guidance with respect to prevailing wages and apprenticeship program	
Carbon capture requirement		
Capacity factor requirement		

New Tax Credits – §45Y and § 48E

Tax Section	45Y	48E
UAMPS qualifies	YES	YES
Baseline amount	0.3 cents/KWh of energy	6%
Alternative rate	1.5 cents/KWh of energy (prevailing wages and apprentice program requirements met)	30% (prevailing wages and apprentice program requirements met)
Start date	2025	2025
Phaseout conditions	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%	The later of 2032 or gradually as CO2 emissions from the electric sector come down to 25% of 2022 level. For example, if in 2026, CO2 emissions reach that 25% level, the next year (2027) the credit will be available at 100%; for 2028 the credit will be available at 75%; for 2029 the credit will be vailable at 50%; then the following years it will be set to 0%
Apprenticeship requirements	Add 10%	Add 10%
Prevailing wages	Add 10%	Add 10%
Energy community multiplier	2% if you qualify for the 0.3 cents; 10% if you qualify for the 1.5 cents	2% if you qualify for 6%; 10% if you qualify for 30%
Placed in service	After December 31, 2024	After December 31, 2024 (must be placed in service 4 years
Domestic content (steel, iron and manufacturing in U.S. 100% of any steel or iron that is a component of the facility was produced in the United States, and (ii) 40% of manufactured products that are components of the facility were produced in the United States)	Add 10%	Add 10%
Inflation adjustment	Each year the 0.3/1.5 cent figure will be adjusted by multiplying the amount by the inflation adjustment factor = GDP implicit price deflator for preceeding year/GDP impliict price deflator for calendar year 1992	
Guidance issue date	No later than January 1, 2025	No later than January 1, 2025
Act now and save provision	Entities will receive the full credit amount if construction of the facility begins prior to the date that is 60 days after the Secretary publishes guidance with respect to prevailing wages and apprenticeship program	

45Q

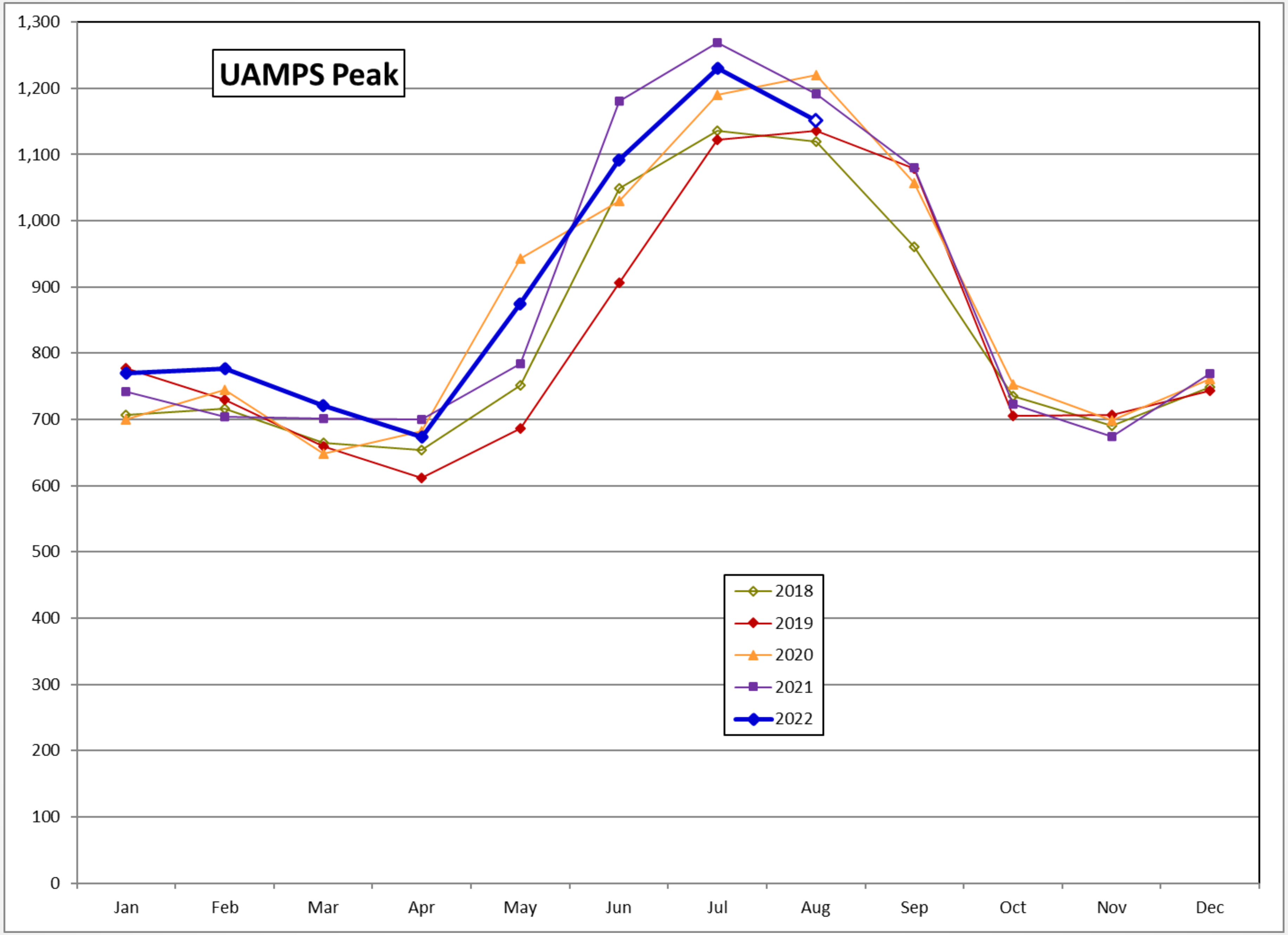
45Q
YES
$17 for CO2 stored; $12 for CO2 utilized for beneficial use
$85 for CO2 stored; $60 for CO2 utilized for beneficial use
Construction must begin before January 1, 2033
Captures no less than 18,750 metric tons of qualified carbon oxide
Must reach a capacity factor of 60%

EV Tax Credits

- 2024: 50% of EV batteries sourced from N. America (100% by 2028)
- Income restrictions for credit
- Cost requirements for EVs
- Used EV tax credits

PX and Scheduling Report

July 2022



UAMPS Peak
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
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2018
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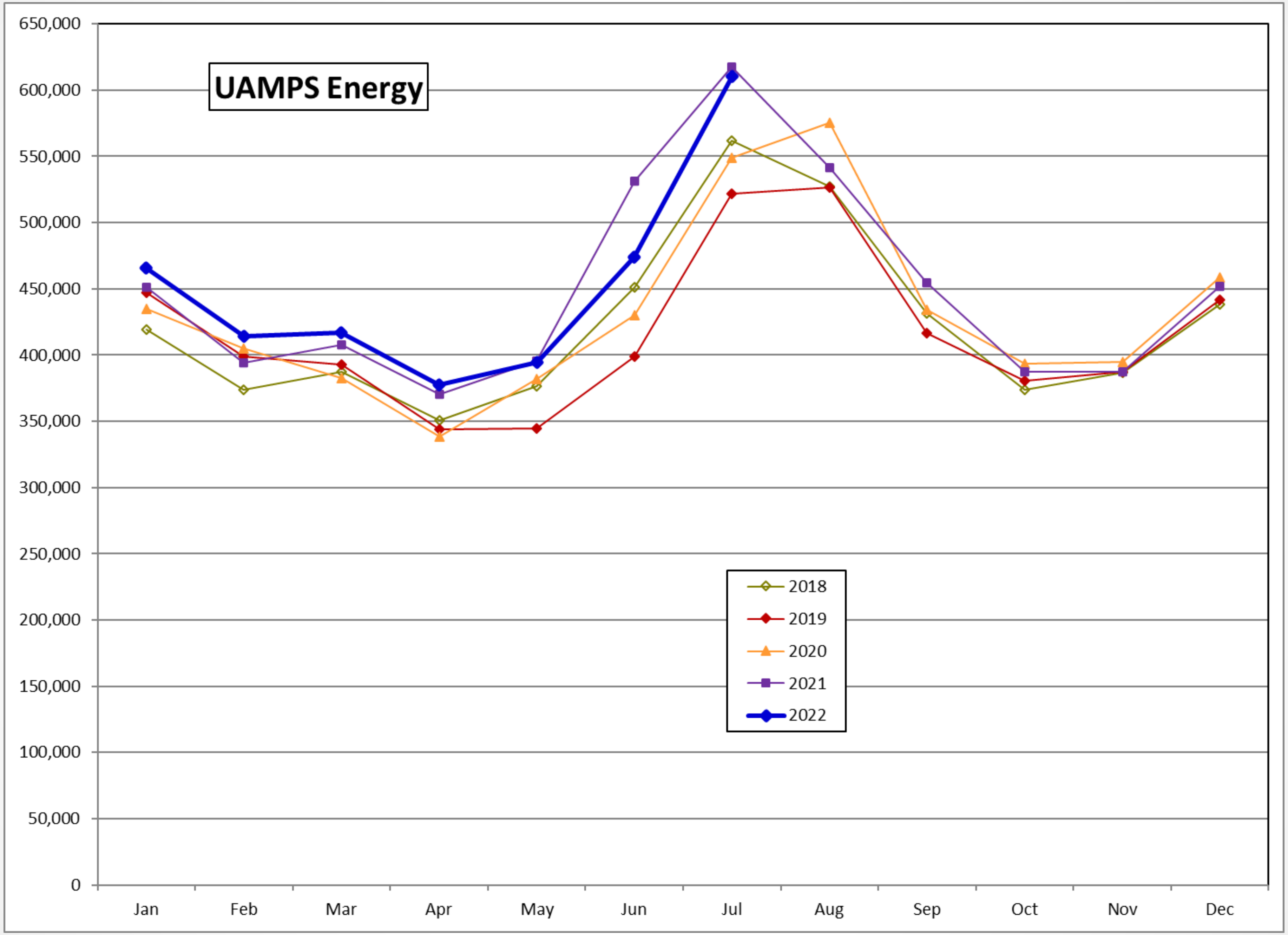
2020
2021
2022



UAMPS Energy
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Jan
Feb
Mar
Apr
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Jun
Jul
Aug
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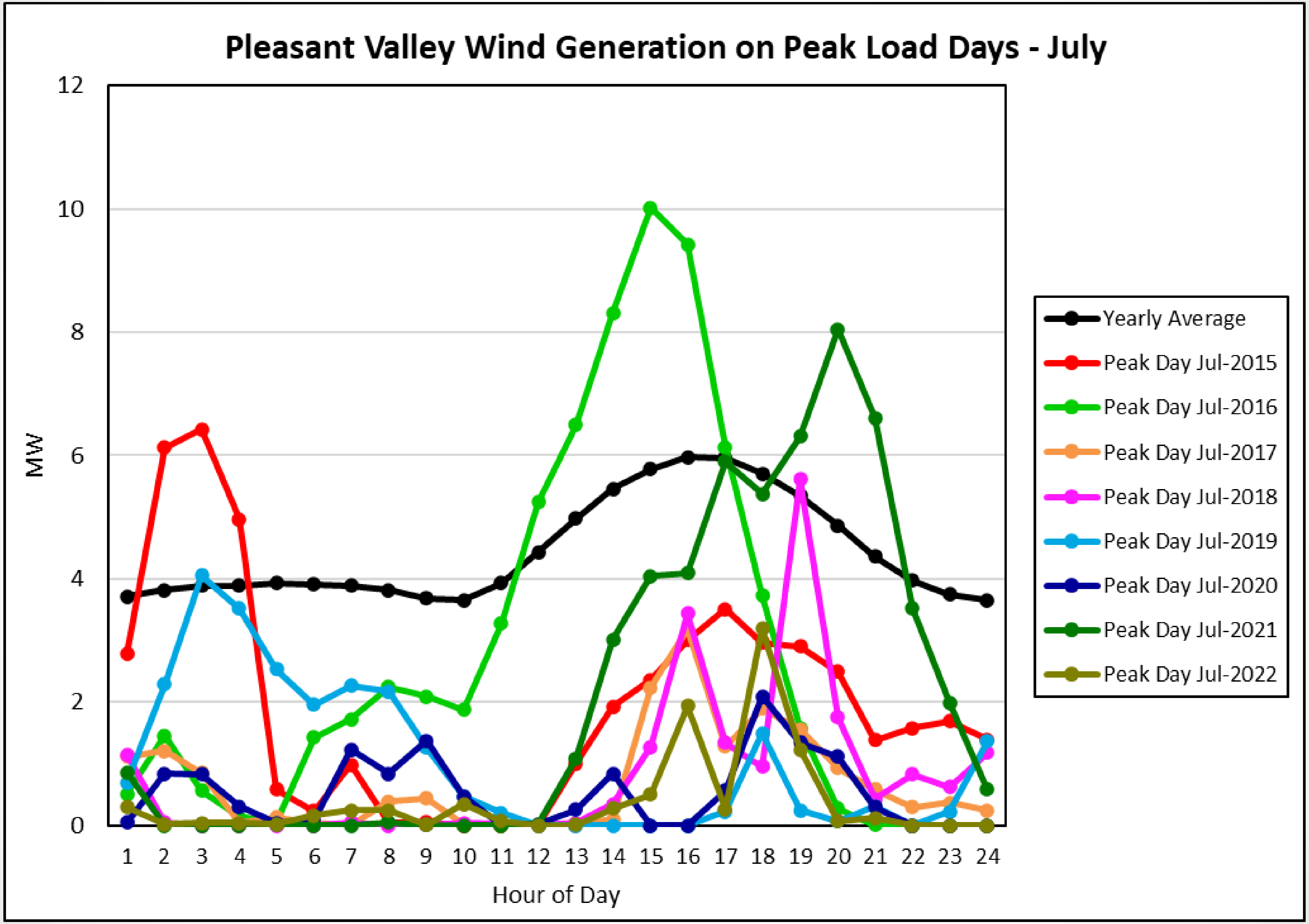
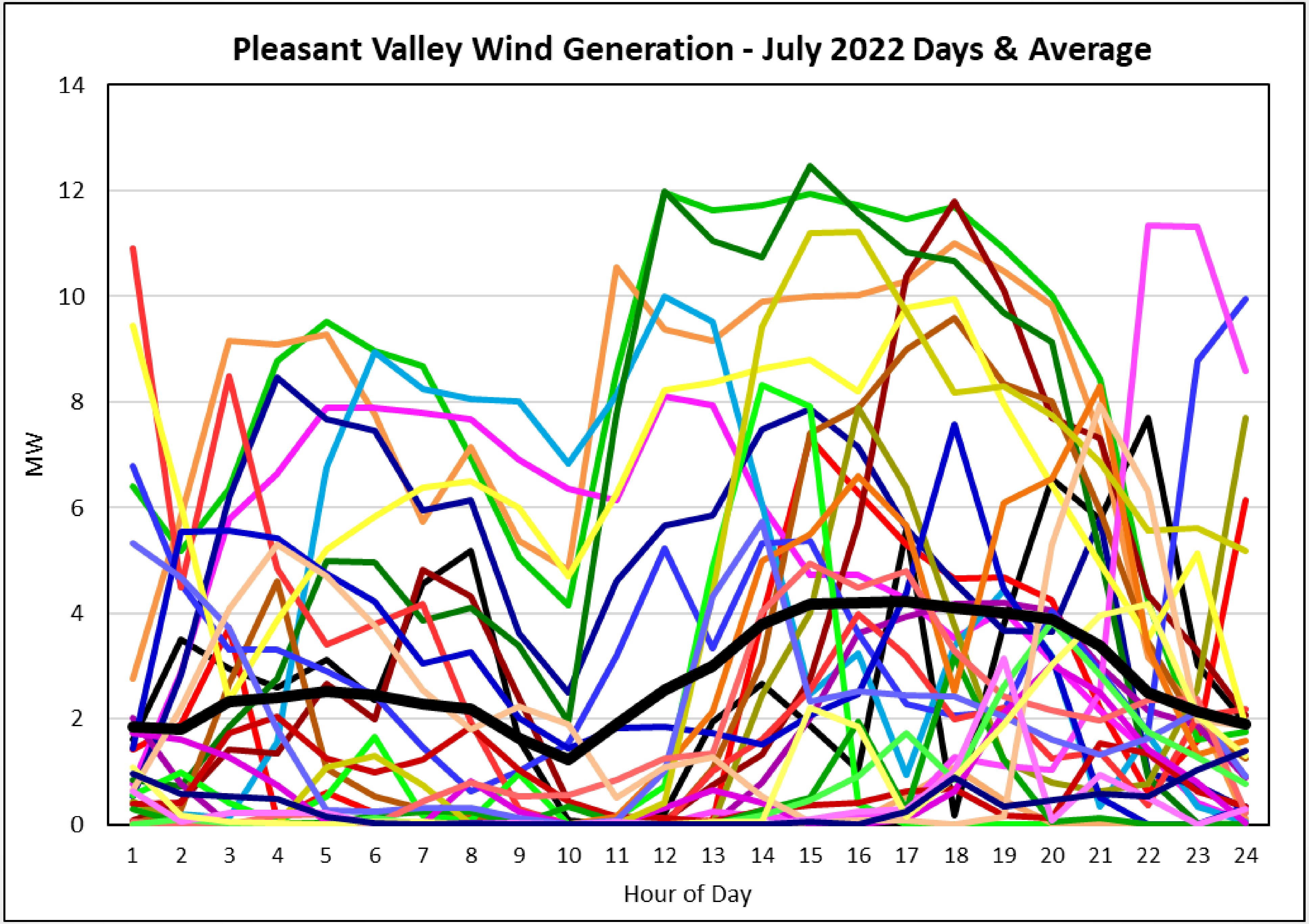
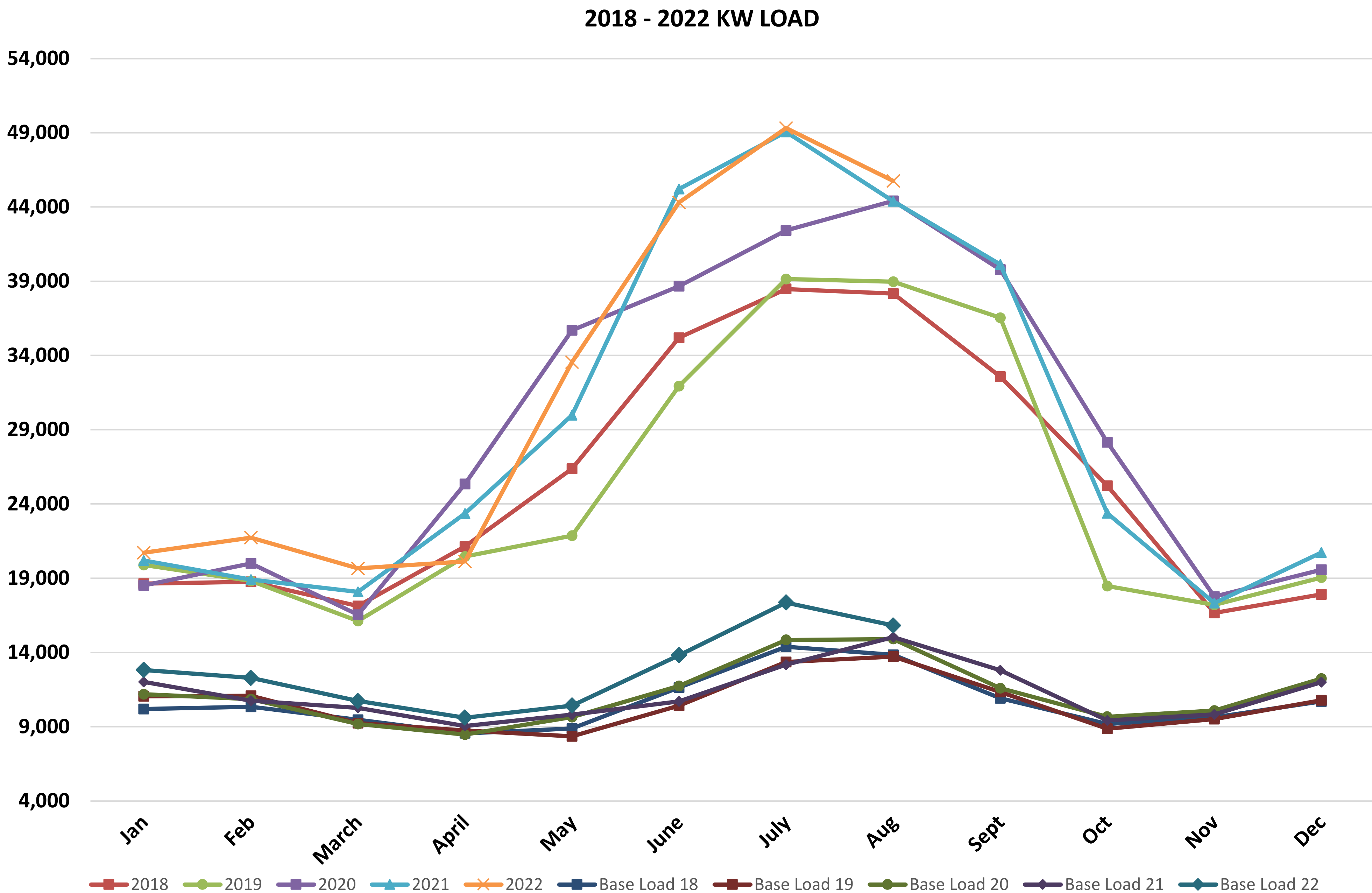
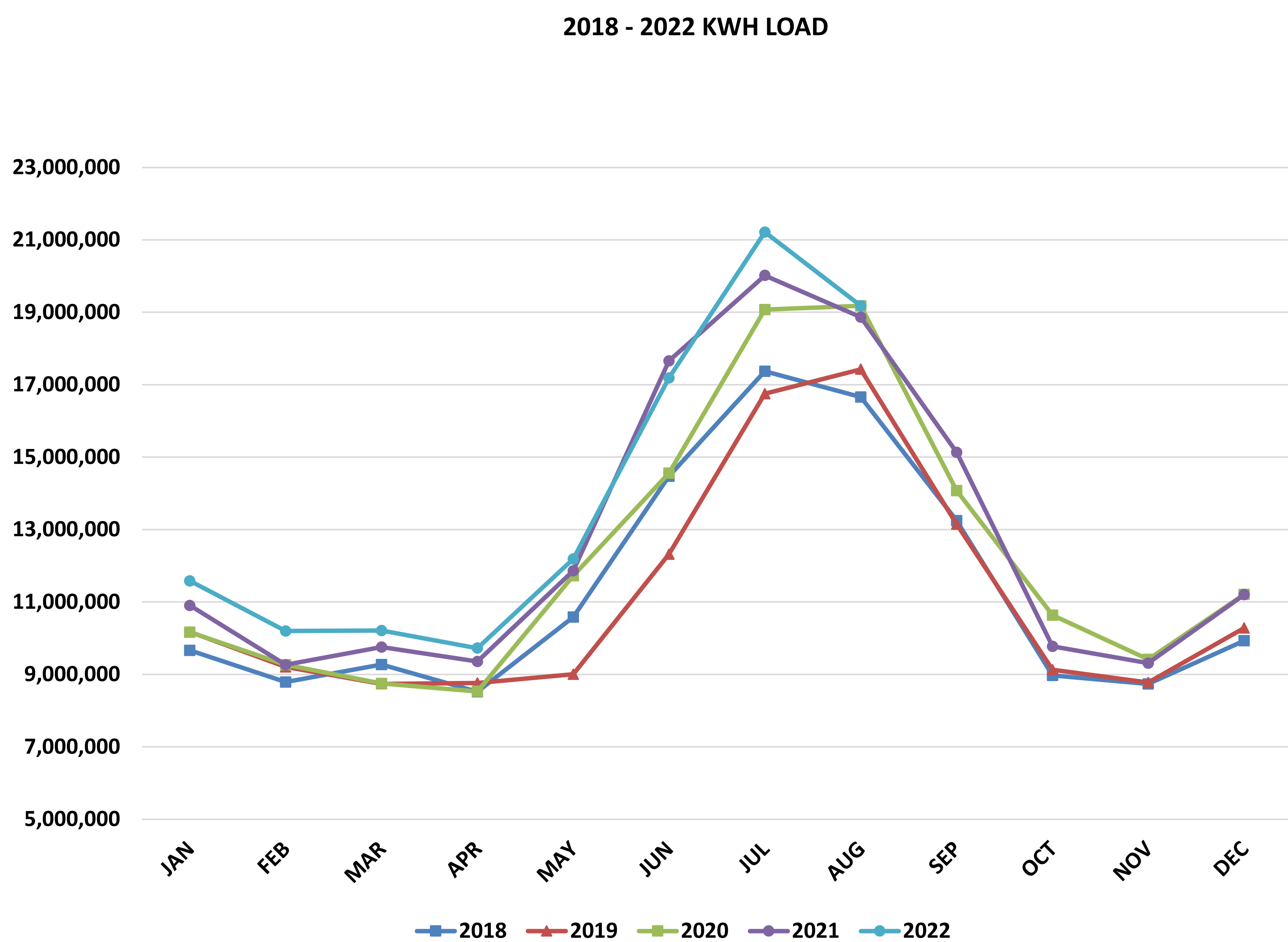
Dec
2018
2019
2020
2021
2022

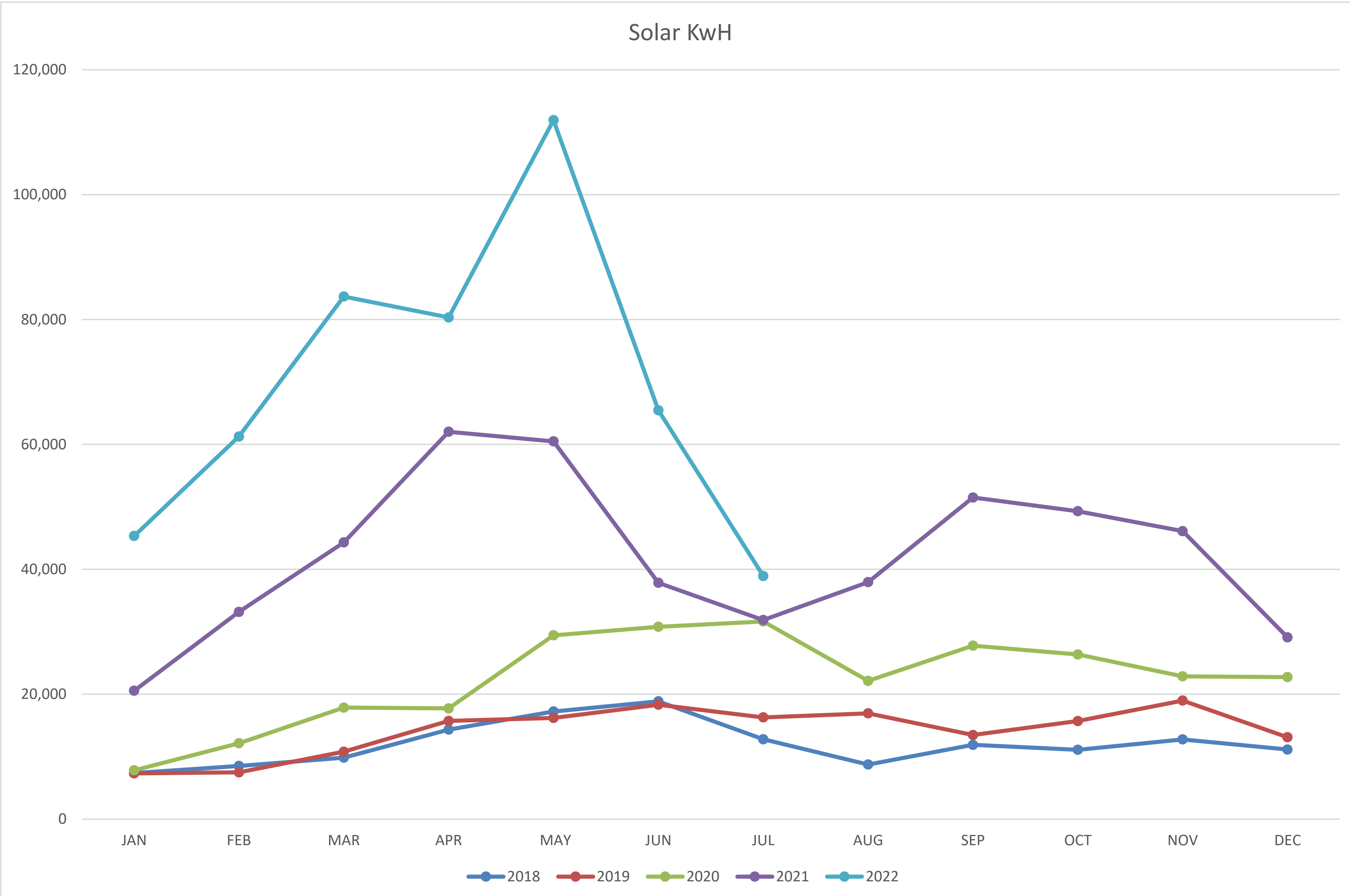

Pleasant Valley Wind Generation on Peak Load Days - July
MW
Hour of Day
0
2
4
6
8
10
12
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Yearly Average
Peak Day Jul-2015
Peak Day Jul-2016
Peak Day Jul-2017
Peak Day Jul-2018
Peak Day Jul-2019
Peak Day Jul-2020
Peak Day Jul-2021
Peak Day Jul-2022


Pleasant Valley Wind Generation - July 2022 Days & Average
MW
14
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Hour of Day

BUDGET


2018 - 2022 KW LOAD
54,000
49,000
44,000
39,000
34,000
29,000
24,000
19,000
14,000
9,000
4,000
Jan
Feb
March
April
May
June
July
Aug
Sept
Oct
Nov
Dec
2018
2019
2020
2021
2022
Base Load 18
Base Load 19
Base Load 20
Base Load 21
Base Load 22


2018 - 2022 KWH LOAD
23,000,000
21,000,000
19,000,000
17,000,000
15,000,000
13,000,000
11,000,000
9,000,000
7,000,000
5,000,000
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
2018
2019
2020
2021
2022



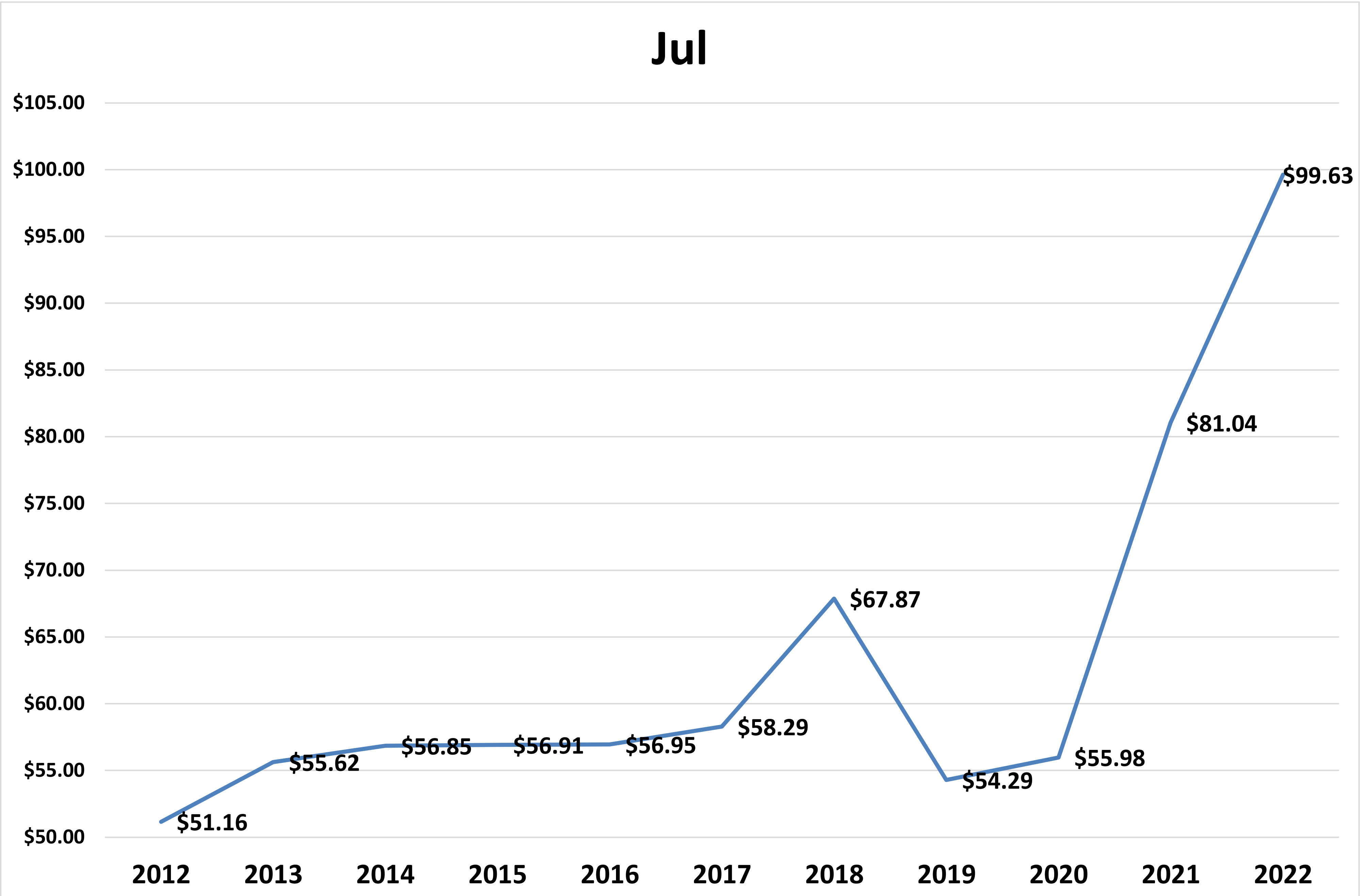
Solar KwH
120,000
100,000
80,000
60,000
40,000
20,000
0
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
2018
2019
2020
2021
2022

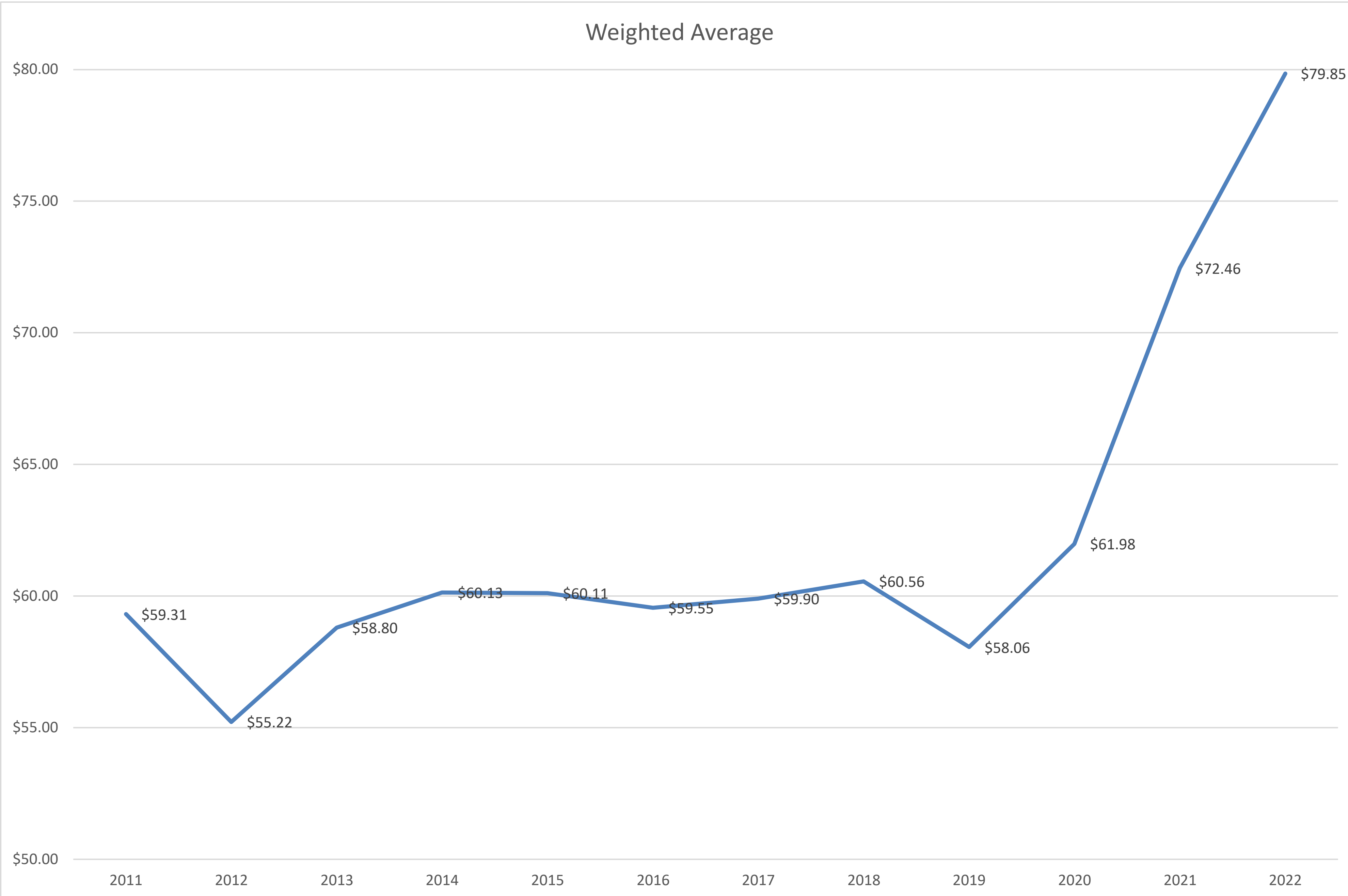
AVERAGE YEARLY POWER PRICES

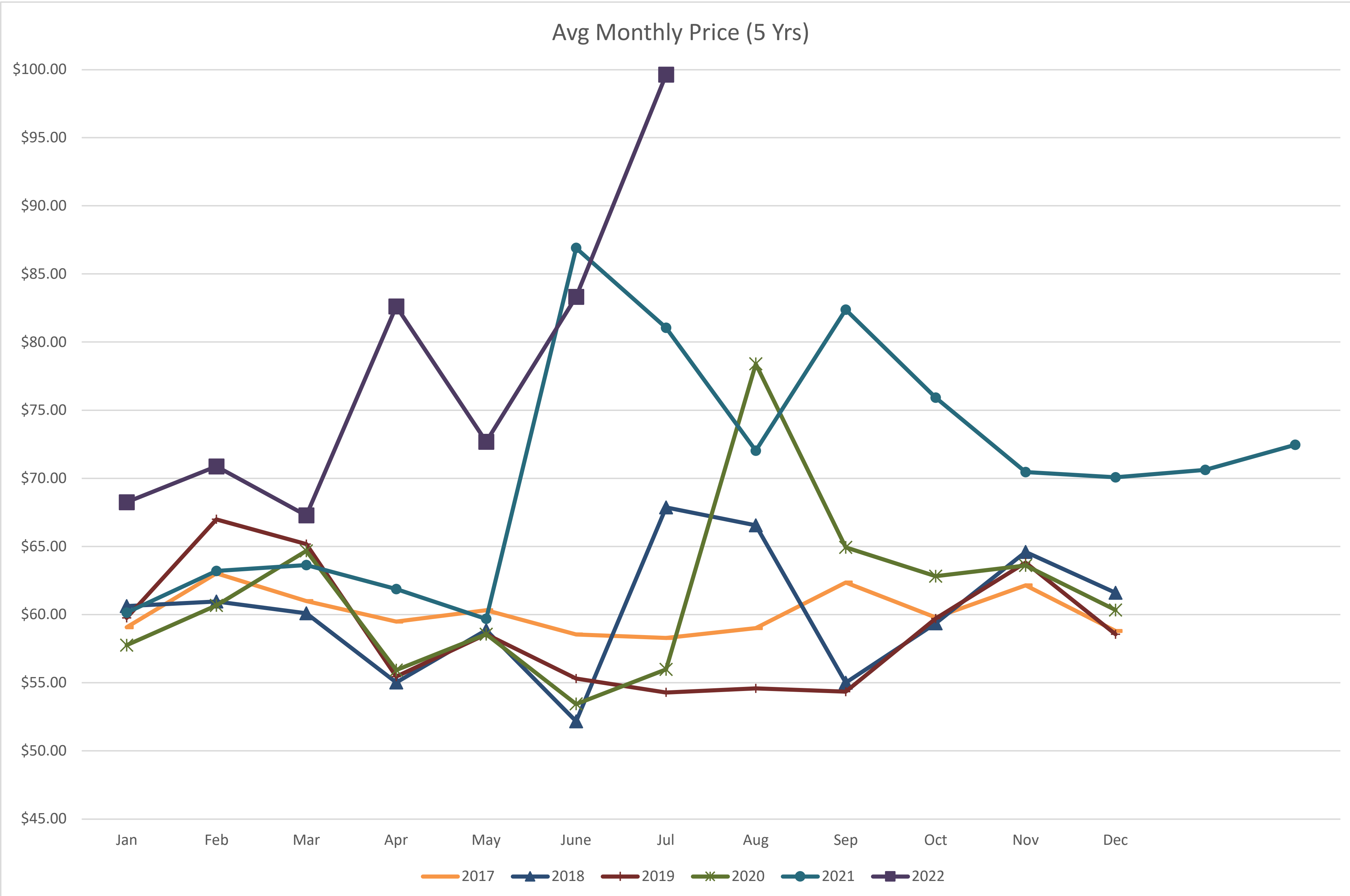
22-23 bdgt amount		**$0.00**
BDGT	Year to Date	**$75.44**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Jan	$56.66	$60.76	$58.36	$59.86	$57.87	$59.07	$60.62	$59.75	$57.76	$60.14	$68.25
Feb	$59.78	$58.15	$64.45	$65.94	$62.38	$63.04	$60.96	$67.00	$60.67	$63.19	$70.88
Mar	$57.28	$63.50	$60.83	$62.03	$61.77	$60.99	$60.09	$65.17	$64.67	$63.64	$67.28
Apr	$55.43	$63.77	$63.75	$61.88	$59.71	$59.49	$55.02	$55.44	$55.92	$61.86	$82.63
May	$53.31	$60.28	$61.64	$64.71	$65.51	$60.32	$58.86	$58.55	$58.55	$59.69	$72.69
June	$50.09	$56.05	$59.15	$58.30	$65.51	$58.54	$52.17	$55.30	$53.44	$86.91	$83.33
Jul	$51.16	$55.62	$56.85	$56.91	$56.95	$58.29	$67.87	$54.29	$55.98	$81.04	$99.63
Aug	$51.57	$55.49	$56.84	$55.27	$57.67	$59.00	$66.55	$54.58	$78.40	$72.03	
Sep	$54.79	$58.80	$59.46	$56.06	$56.97	$62.36	$55.00	$54.34	$64.93	$82.38	
Oct	$62.68	$60.35	$61.42	$56.97	$59.23	$59.79	$59.36	$59.70	$62.82	$75.92	
Nov	$63.37	$61.65	$63.03	$59.68	$64.18	$62.14	$64.60	$63.80	$63.60	$70.47	
Dec	$56.02	$58.37	$60.91	$57.90	$61.51	$58.80	$61.61	$58.55	$60.33	$70.07	
Yr Avg	$56.01	$59.40	$60.56	$59.63	$60.64	$60.15	$60.23	$58.87	$61.42	$70.61	$77.81
Weighted Avg	$55.22	$58.80	$60.34	$58.99	$59.55	$59.90	$60.56	$58.11	$61.98	$72.46	$79.85
											Cy to Date

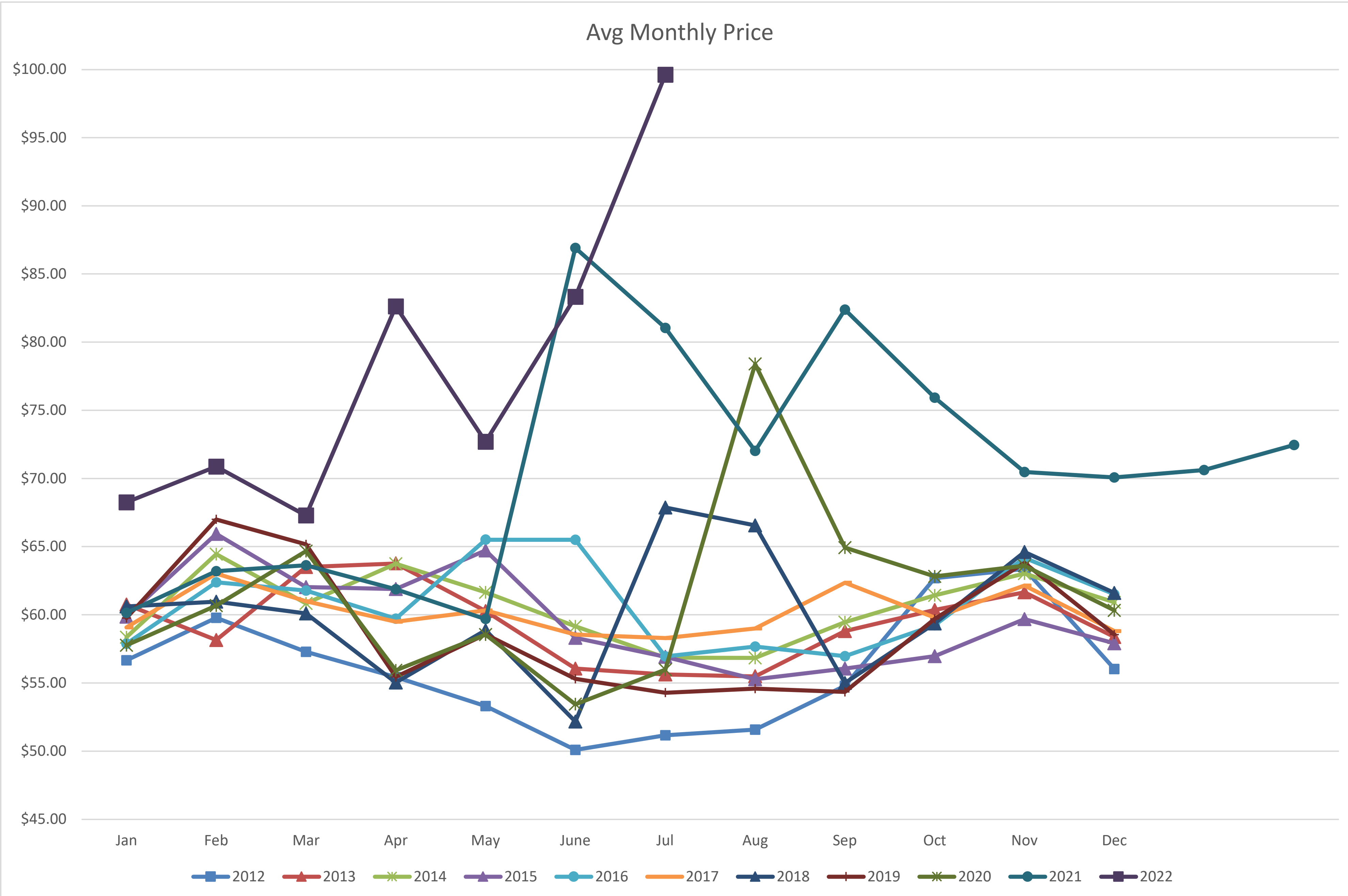
These figures capture the total cost of power to the power department. The power department uses costs only associated with the purchasing and generation of power and includes debt payments and interest associated with power resources.


Jul
$105.00
$100.00
$95.00
$90.00
$85.00
$80.00
$75.00
$70.00
$65.00
$60.00
$55.00
$50.00
$51.16
$55.62
$56.85
$56.91
$56.95
$58.29
$67.87
$54.29
$55.98
$81.04
$99.63
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022


Weighted Average
$80.00
$75.00
$70.00
$65.00
$60.00
$55.00
$50.00
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
$59.31
$55.22
$58.80
$60.13
$60.11
$59.55
$59.90
$60.56
$58.06
$61.98
$72.46
$79.85



Avg Monthly Price (5 Yrs)
$100.00
$95.00
$90.00
$85.00
$80.00
$75.00
$70.00
$65.00
$60.00
$55.00
$50.00
$45.00
Jan
Feb
Mar
Apr
May
June
Jul
Aug
Sep
Oct
Nov
Dec
2017
2018
2019
2020
2021
2022



Avg Monthly Price
$100.00
$95.00
$90.00
$85.00
$80.00
$75.00
$70.00
$65.00
$60.00
$55.00
$50.00
$45.00
Jan
Feb
Mar
Apr
May
June
Jul
Aug
Sep
Oct
Nov
Dec
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022