



HURRICANE CITY UTAH

Mayor
Nanette Billings

City Manager
Kaden C. DeMille

Power Board
Mac J. Hall, Chair
Dave Imlay, Vice Chair
David Hirschi
Colt Stratton
Kerry Prince
Vacant Seat

Power Board Meeting Agenda

5/7/2025

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

STAFF REPORTS

Mike Johns/Power Director
Brian Anderson/Transmission & Distribution Superintendent
Mike Ramirez/Service Superintendent
Jared Ross/Substation & Generation Foreman

BUDGET

OLD BUSINESS

1. Update regarding the **Impact Fee Analysis & Capital Facilities Plan Draft** – Mike Johns
2. Update regarding **AMI Metering** – Mike Ramirez

NEW BUSINESS

1. Discussion and possible recommendation to the Hurricane City Council to **appoint Mark Maag to the Power Board** – Mike Johns
2. Discussion and possible recommendation to the Hurricane City Council on a **Power Line Extension request** for Zion Regional Medical Center – Karl Rasmussen, Brent Moser on behalf of Coaction Group
3. UAMPS Updates
4. **Closed Meeting pursuant to Utah Code Section 52-4-205, upon request**

ADJOURNMENT

The above notice was posted to the Hurricane City website, the Utah State Public Notice Website, and at the following locations:

1. Hurricane City Office – 147 North 870 West, Hurricane, UT
2. US Post Office – 1075 West 100 North, Hurricane, UT
3. Washington County Library (Hurricane Branch) – 36 South 300 West, Hurricane, UT



BUDGET

AVERAGE YEARLY POWER PRICES

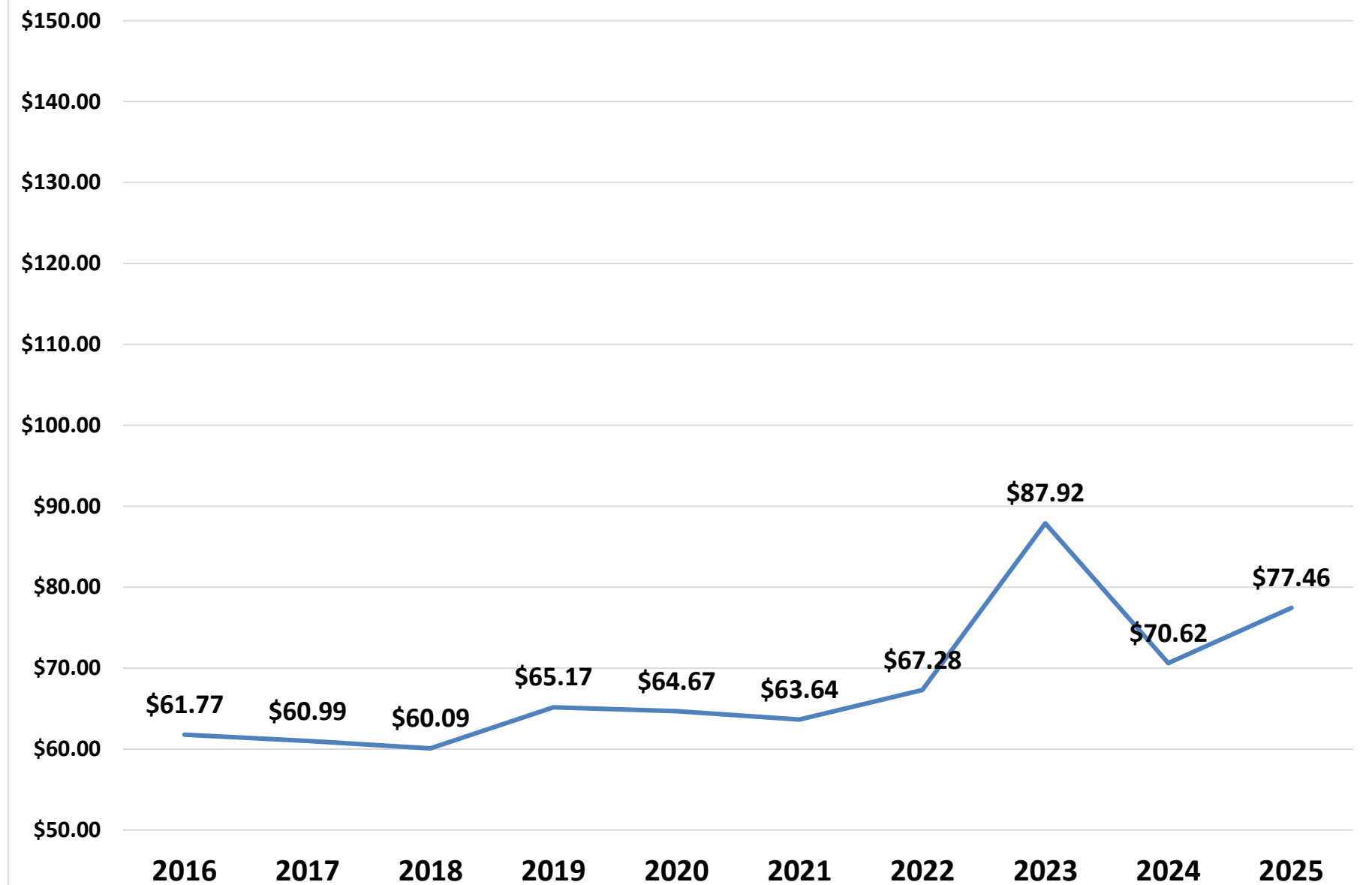
24-25 bdgt amount (thru Feb 2025) **\$71.69**
 BDGT Year to Date **\$72.25**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<i>Jan</i>	\$57.87	\$59.07	\$60.62	\$59.75	\$57.76	\$60.14	\$68.25	\$132.44	\$80.85	\$73.22
<i>Feb</i>	\$62.38	\$63.04	\$60.96	\$67.00	\$60.67	\$63.19	\$70.88	\$83.72	\$71.23	\$74.69
<i>Mar</i>	\$61.77	\$60.99	\$60.09	\$65.17	\$64.67	\$63.64	\$67.28	\$87.92	\$70.62	\$77.46
<i>Apr</i>	\$59.71	\$59.49	\$55.02	\$55.44	\$55.92	\$61.86	\$82.63	\$75.32	\$70.32	
<i>May</i>	\$65.51	\$60.32	\$58.86	\$58.55	\$58.55	\$59.69	\$72.66	\$67.45	\$64.54	
<i>June</i>	\$65.51	\$58.54	\$52.17	\$55.30	\$53.44	\$86.91	\$77.60	\$69.52	\$63.88	
<i>Jul</i>	\$56.95	\$58.29	\$67.87	\$54.29	\$55.98	\$81.04	\$85.31	\$90.48	\$70.51	
<i>Aug</i>	\$57.67	\$59.00	\$66.55	\$54.58	\$78.40	\$72.03	\$96.60	\$84.39	\$67.05	
<i>Sep</i>	\$56.97	\$62.36	\$55.00	\$54.34	\$64.93	\$82.38	\$127.29	\$83.74	\$66.46	
<i>Oct</i>	\$59.23	\$59.79	\$59.36	\$59.70	\$62.82	\$75.92	\$83.45	\$83.77	\$75.82	
<i>Nov</i>	\$64.18	\$62.14	\$64.60	\$63.80	\$63.60	\$70.47	\$96.34	\$73.03	\$85.85	
<i>Dec</i>	\$61.51	\$58.80	\$61.61	\$58.55	\$60.33	\$70.07	\$161.27	\$71.99	\$68.50	
<i>Yr Avg</i>	\$60.64	\$60.15	\$60.23	\$58.87	\$61.42	\$70.61	\$90.80	\$83.65	\$71.30	\$75.12
<i>Weighted Avg</i>	\$59.55	\$59.90	\$60.56	\$58.11	\$61.98	\$72.46	\$92.09	\$84.16	\$70.50	\$75.03

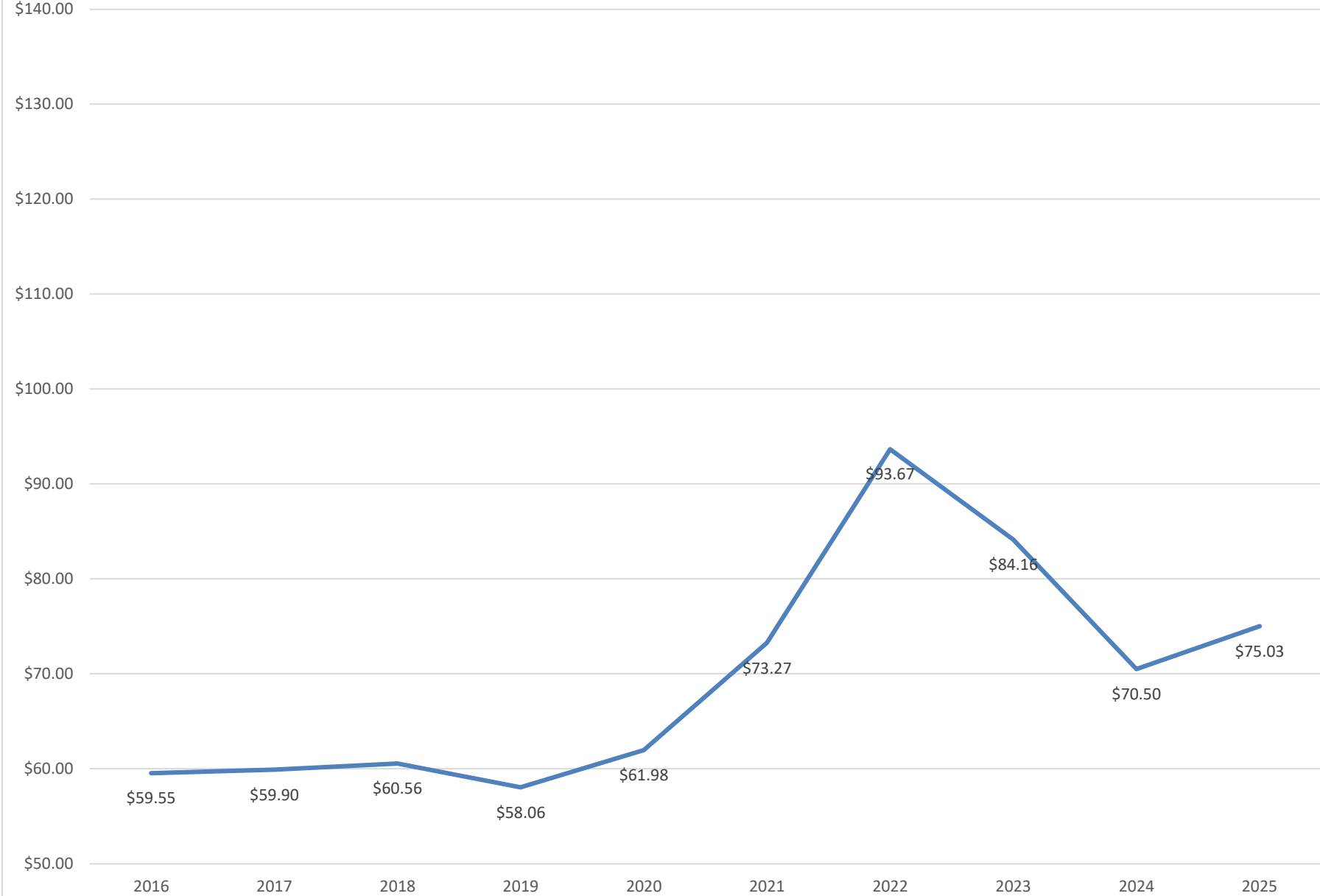
**Cy to
Date**

*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*

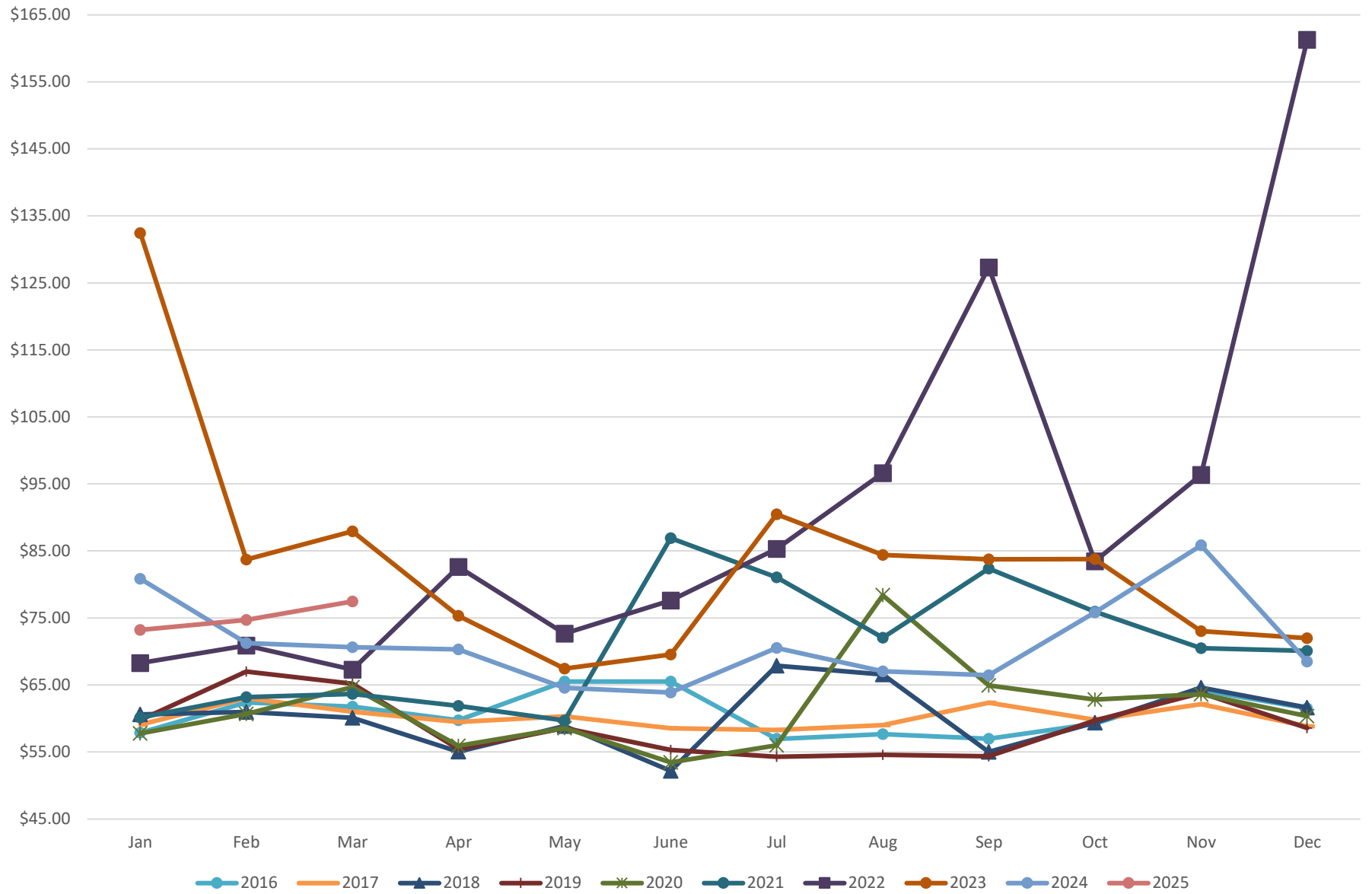
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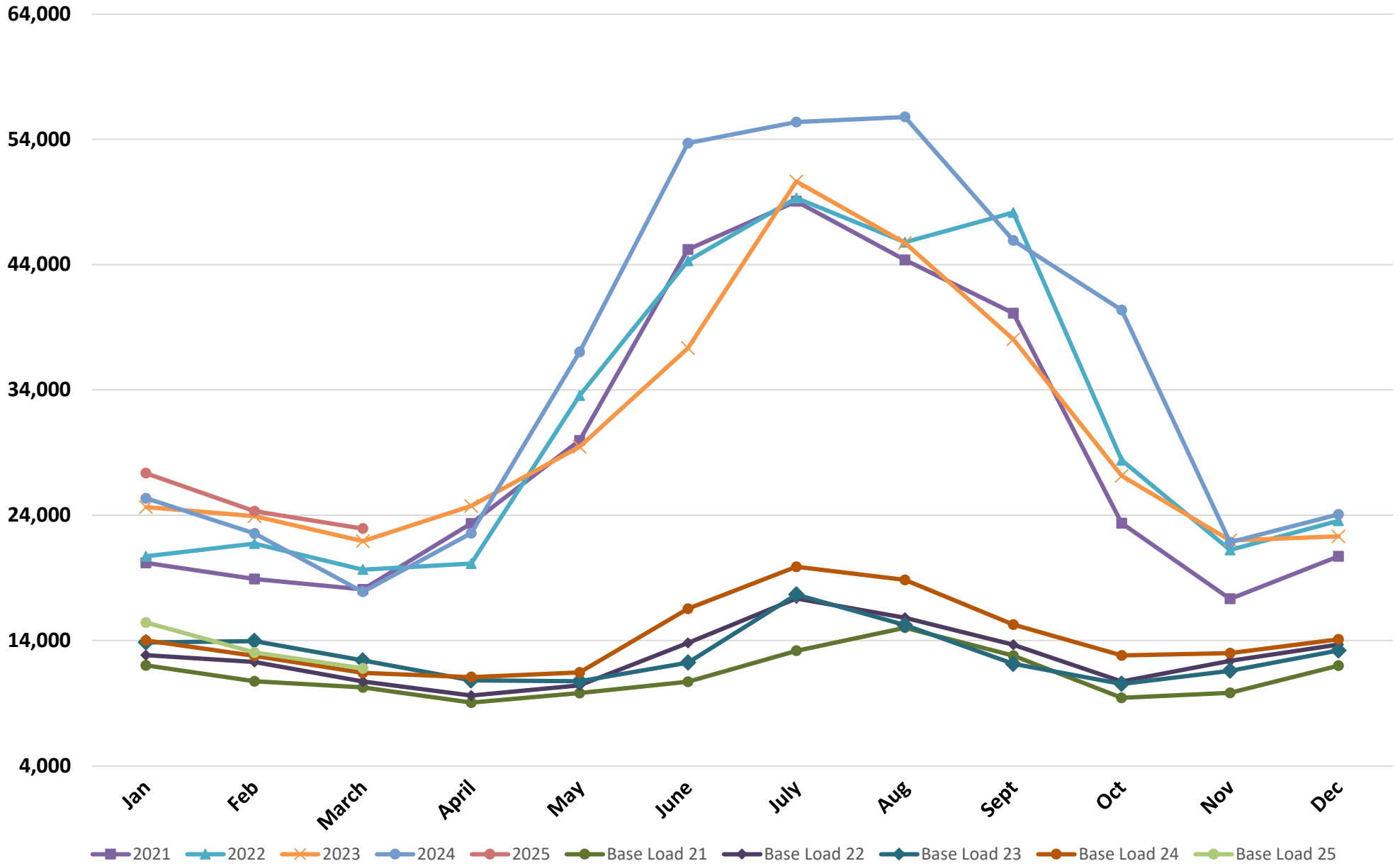
Weighted Average



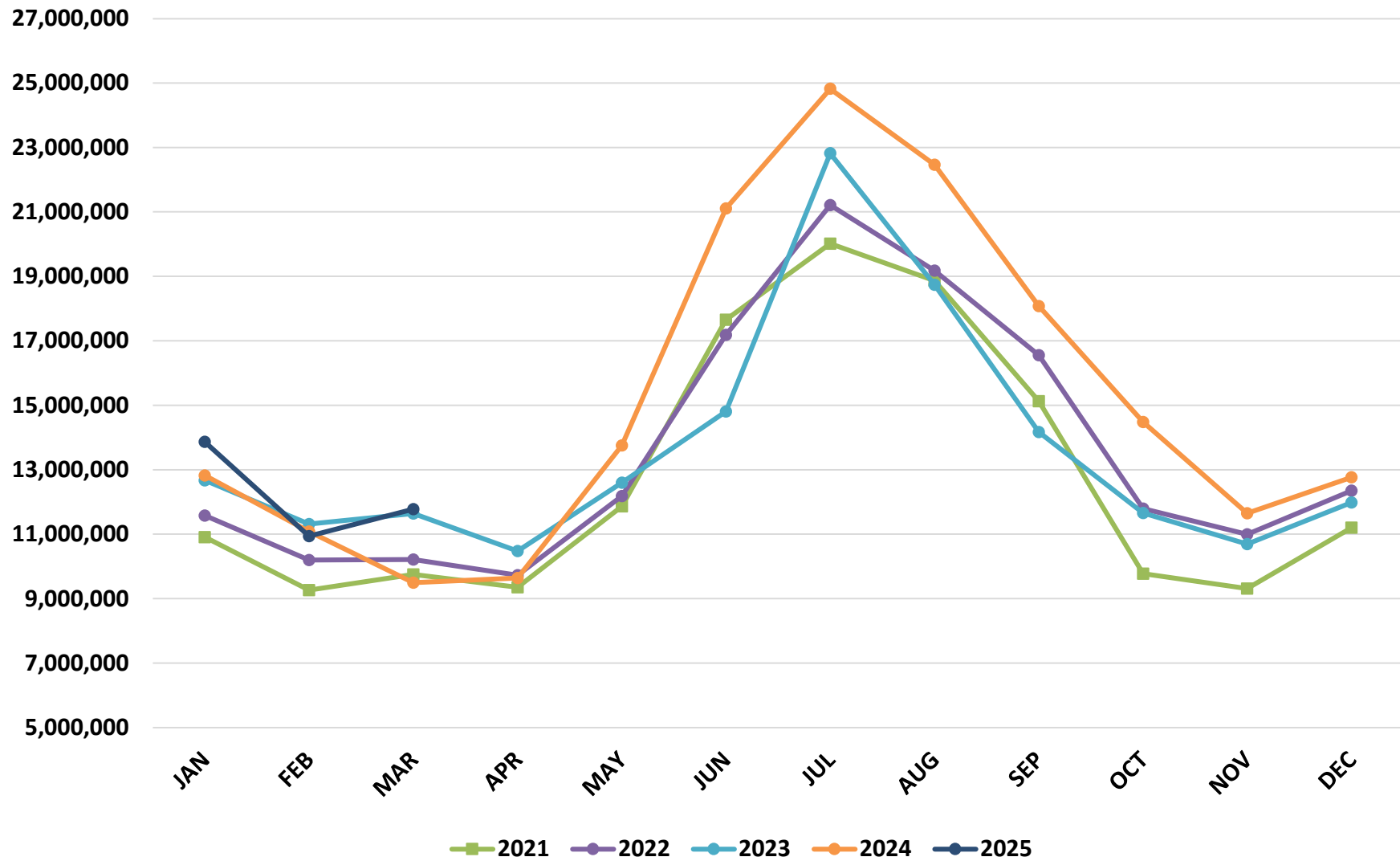
Avg Monthly Price



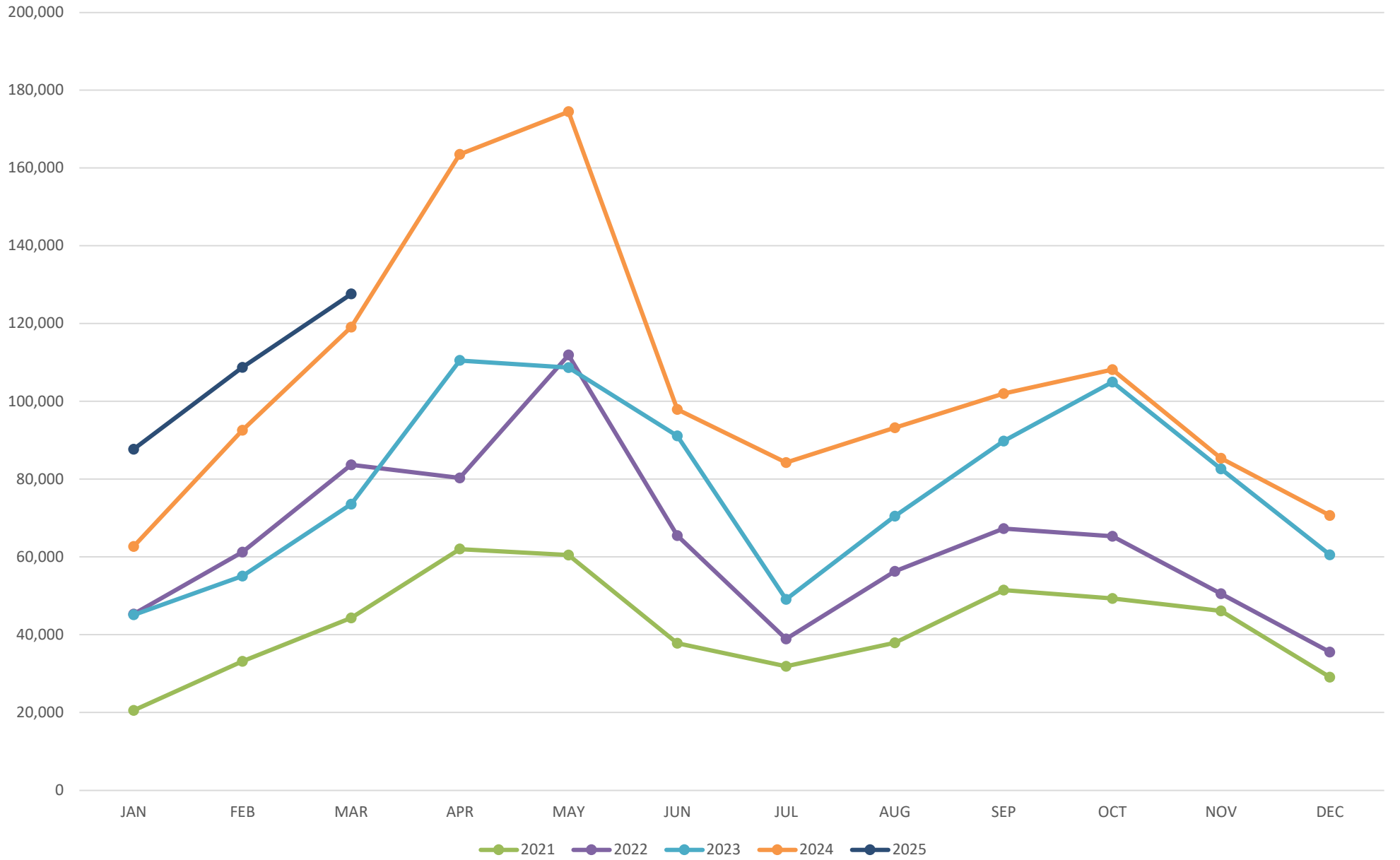
2021 - 2025 KW LOAD



2021 - 2025 KWH LOAD



Solar Kwh





1145 East South Union Avenue
Midvale, Utah 84047
(801) 255-1111

MEMORANDUM

Date: April 30th, 2025
To: Hurricane City Power
Email: powermj@hurricane.utah.gov
From: Matt Levorsen
Re: Hurricane-Alternative Impact Fee Calculation Approach

Concerns were raised by the City Council and the Southern Utah Home Builders Association (SUHBA) regarding the original impact fee calculations. Due to these concerns ICPE and LRB Finance revisited the impact fee calculation approach. The following is an explanation of an alternate method of calculating what percentage of each electrical project will be paid for by impact fees. This alternative method considers the concerns of “double buy-in” to excess capacity and new construction as well as the costs of projects that will benefit future customers beyond the ten-year window. The new method removes the excess capacity buy-in and instead determines the impact fees only of the electrical projects that are necessary for the next ten years. A percentage of each project will be paid for by impact fees collected after the 10-year period. If this alternative method is approved, it will result in a lower impact fee increase. It is important to note that the reduction in impact fees will require alternative methods to pay for those projects and an increase in electrical rates may be necessary to help pay for these projects.

Substation projects that increase the electrical capacity for the system are *Anticline T1 upgrade, Future Substation 1, Three Falls Substation Bay 2 upgrade, and the Sky Mountain Substation*. Transmission line projects that are necessary to allow for that increase in capacity of the system are the *138 kV line from Purgatory to Future Sub 1, the 138 kV line from Future Sub 1 to Three Falls, the 69 kV line to Sky Mountain, and the 138 kV line to 600 North*. These projects are necessary to accommodate the electrical growth that will come over the next ten years. For these projects, the IFFP percentage was calculated from the ratio of the total estimated growth and the added electrical capacity of the new projects. The electrical capacity of the new substations was determined by using 75% of the 55°C transformer rating which is what each transformer is allowed to be loaded to meet the Level of Service Standard. The total additional capacity added by the proposed substation projects to the system is 54.4 MW. The total estimated growth is 39.883 MW. The corresponding ratio for this approach is 73.3%. Therefore, it is proposed to apply 73.3% of the respective cost of these projects to the impact fees. The other 26.7% of the cost of these projects will be assumed to be captured by impact fees beyond the 10-year window of this current study.

Projects that are not associated with electrical capacity increase but are necessary for system reliability are the *138 kV line from 600 North to Three Falls, Three Falls Bay 1 upgrade, the line to future Substation 2, and future Substation 2*. These upgrades will benefit current customers, new customers over the next ten years, and future customers beyond 10 years. For this reason, it is proposed to apply 28.5% of the respective cost of these projects to the impact fees. This is set at a lower percentage for these projects since they benefit everyone on the system, not just new customers, over the next 10 years.

The explanation above would result in adjustments to **Table 5.1** of the draft IFA, as illustrated below. This adjustment would also result in the removal of the buy-in calculation of the fee.

REVISED TABLE 5.1: SUMMARY OF FUTURE CAPITAL PROJECT COSTS

Project & Title	Opinion of probable Cost	Impl. Year(s)	Const. Yr Cost	% to IFFP Demand	Revised Cost to Growth
Replace Anticline T1	\$1,943,675	2025	\$2,021,422	73.3%	\$1,481,992
New Future Substation 1	\$7,690,408	2027	\$8,650,663		\$6,342,176
Three Falls Substation Bay 2	\$3,728,421	2029	\$4,536,194		\$3,325,681
New Sky Mountain Substation	\$5,503,354	2030	\$6,963,498		\$5,105,243
Three Falls substation Bay 1 Upgrade	\$2,119,390	2032	\$2,900,532	28.5%	\$826,299
New 138kV-69kV Future Substation 2	\$7,195,069	2033	\$10,240,827	28.5%	\$2,917,392
New 138kV line from Purgatory to Future Sub 1	\$6,404,366	2026	\$6,926,962	73.3%	\$5,078,457
New 138kV line from Future Sub 1 to Three Falls	\$3,100,207	2027	\$3,487,311	73.3%	\$2,556,699
New 69kV line to Sky Mountain	\$200,805	2029	\$244,310	73.3%	\$179,114
New 138kV line to 600 North	\$685,450	2031	\$902,005	73.3%	\$661,299
New 138kV line from 600 North to Three Falls	\$1,339,409	2032	\$1,833,074	28.5%	\$522,203
New 138kV line to Future Substation 2	\$210,848	2033	\$300,102	28.5%	\$85,493
Revised Total	\$40,121,402		\$49,006,901		\$29,082,049
Original Total	\$40,121,402		\$49,006,901		\$38,621,695
				% Change	-25%

-ELECTRICAL NARRATIVE-PRIMARY SERVICE ENTRANCE

One Utility Company pad mounted transformer is anticipated, estimated at 1,500kVA. The transformer will be located in exterior courtyard in vicinity of the central plant and separated from the emergency generator by block wall and 10'. Utility transformer pad is anticipated to be 12' x 12' with clearance requirements per Utility requirements (typically 5' rear and side access to solid walls, 15' front access). Exact transformer size is determined based on the Utility Company.

The transformer primary will be connected to Utility Company primary.

~~The Utility Company transformer and primary conductors will be furnished and installed by the local electric utility company.~~ The primary conduits, secondary conduits, all trenching, duct banks and secondary conductors associated with the new transformer will be furnished and installed as part of Project construction. Primary conduits will be routed in an easement.

Service entrance conductors (transformer secondary) shall be routed in below-grade ductbank.

Coordinate requirements with local Utility Company. Utility metering is anticipated to be within the main switchboard per Utility requirements.

MAIN ELECTRICAL SWITCHBOARD

Main Electrical Switchboard MSA shall be 3,000 - 4,000-amp main circuit breaker, 277/ 480 volt, 3-phase, 4-wire, 65,000 AIC.

Main service entrance protective device shall be manually operated with solid state electronic trip having adjustable current setting, adjustable long-time pickup, adjustable long-time delay, adjustable short-time pickup, adjustable short-time delay, integral ground fault protection with adjustable ground fault pickup and ground fault delay, visual trip indicators to identify overload, short circuit, or ground fault as the cause of tripping, with solid state programmer. The breaker shall be provided with a ground fault test button.

Short Circuit, Overcurrent Coordination Protective Device and Arc Flash Analysis: Submit as part of Equipment Shop Drawings short circuit analysis to include short circuit values at all switchboards, distribution boards and panelboard locations to verify the correct application of equipment AIC ratings. Submit overcurrent coordination protective devices analysis with recommendations for switchboard and distribution board overcurrent protective devices (current setting, long-time pickup, long-time delay, short-time pickup, short-time delay, ground fault pickup and ground fault delay) to illustrate the coordination with downstream devices.

Switchboard distribution section(s) and distribution boards shall contain fixed mounted circuit breakers shall be manually operated with solid state electronic trip having adjustable current setting, adjustable long-time pickup, adjustable long-time delay, adjustable short-time pickup, adjustable short-time delay, integral ground fault protection with adjustable ground fault pickup and ground fault delay, visual trip indicators to identify overload, short circuit or ground fault as

-ELECTRICAL NARRATIVE-**MAIN ELECTRICAL SWITCHBOARD**

the cause of tripping, with solid state programmer.

Circuit breakers within both normal distribution system 225 amp and larger shall be manually operated with solid state electronic trip having adjustable current setting, adjustable long-time pickup, adjustable long-time delay, adjustable short-time pickup, adjustable short-time delay, integral ground fault protection with adjustable ground fault pickup and ground fault delay, visual trip Indicators to Identify overload, short circuit or ground fault as the cause of tripping, with solid state programmer.

MSB will contain fixed-mounted insulated case main and feeder/ secondary circuit breakers with integral adjustable solid-state phase and ground overcurrent and short circuit protective devices. Adjustable ground fault protection to selectively open main and feeder devices.

The main service distribution board will serve normal power distribution and branch circuit panelboards, as well as each of the essential electrical system automatic transfer switches in each of the following:

Normal Power Distribution

1. Power for mechanical equipment in the facility will be distributed by 480 volt, 3-phase, 4-wire feeders extending from Main Switchboard MSA to distribution panels that serve mechanical equipment.

The central plant electrical rooms (normal and emergency rooms) will serve hospital branch circuit panelboards.

Allow for adequate distribution equipment and feeders based on mechanical equipment indicated, along with necessary starters, disconnect switches, etc.

2. Power for fluorescent lighting will be distributed by 480y/277 volt, 3-phase, 4-wire feeders from the main switchboard to panels located in electrical rooms.
3. Power for receptacle loads will be distributed by 120/208 volt, 3-phase, 4-wire lighting, and appliance branch circuit panelboards located in the electrical rooms.

Emergency Power

1. Standby electrical power will be supplied to the facility by diesel engine-driven generator, 1,500 to 2,000 kw total system capacity, 277/ 480-volt, 3-phase, 4-wire service and located exterior in central plant MEP equipment yard. The generator is sized to accommodate 1 chiller and associated pumps to provide minimal cooling to the OR and patient recovery areas.

The generator shall be connected to skid mounted base fuel tanks, 24-hour capacity.

-ELECTRICAL NARRATIVE-**MAIN ELECTRICAL SWITCHBOARD**

2. Main Emergency Electrical Switchboard EMSA shall be 2,000 to 3,000 amp, 277/ 480-volt, 3-phase, 4--wire, 65,000 AIC, NEMA 3R and located in outside equipment courtyard in vicinity of Central Plant
3. The Essential Electrical System will be provided in conformance with most current version of NFPA 99, Chapter 12. It will consist of a Life Safety Branch, a Critical Branch, and Equipment Branches as required. Automatic transfer switches (ATS's) for the Critical Branches will be closed-transition type. ATS's for life safety and equipment branch shall be open-transition type. All ATS's will be 4-pole.
4. Allow for adequate Equipment Branch power distribution equipment to accommodate the hospital's heating requirements (pumps, motors, etc.), and any other mechanical equipment required to be served by the Equipment Branch.
5. Provide two 7.5 kVA, 277volt - 120-volt isolation panels with 20 - 2P20amp secondary circuit breakers within each OR. Provide service to the isolation panels from the Critical Branch. Allow for full distribution of branch circuits within OR areas with XHHW conductors.
6. Loads arranged for service from the Life Safety Branch will include the following:
 - a) Exit lights, stairway, and egress path lighting.
 - b) Selected lighting and receptacles at the generator location.
 - c) Exterior egress paths.
 - d) Fire alarm system.
 - e) Medical gas alarms.
7. Loads arranged for service from the Critical Branch will include the following:
 - a) Nurse call systems.
 - b) Telephone equipment rooms.
 - c) Task lighting and selected receptacles in:
 - d) Medication Preparation Areas.
 - e) Treatment Rooms.
 - f) Nurses' stations.
 - g) Other areas and functions related to patient care or necessary for effective hospital operation.

Lighting, selected receptacles and special power circuits in:

- a) Patient Room exam and night-lights and special receptacles.
 - b) Operating Rooms.
 - c) Special Procedure Rooms.
8. Loads arranged for service from the delayed automatic Equipment System Branch will include the following:

-ELECTRICAL NARRATIVE-

MAIN ELECTRICAL SWITCHBOARD

- a) HVAC equipment serving:
 - Patient Areas.
 - Operating Rooms.
 - Emergency Department.
- b) Limited radiology equipment
- c) Automatic door operators.
- d) Sterilizers.

Wire and cable for power and communications will be copper and installed in conduit. Provide a remote emergency generator annunciator panel in the Maintenance Office and at 24-hour Nurse's Station.

LIGHTING

Provide allowance for building facade and landscape lighting. Provide allowance for building entry area (decorative fixtures will be selected by Architect) including clearstory up-lighting.

Interior lighting systems for the hospital will be designed to provide lighting levels consistent with current recommendations of the Illuminating Engineering Society for the specific visual task to be performed in a given area or task location.

Generally, LED lighting and LED downlights will be used. Incandescent lighting will not be used.

Lighting systems will be designed following IES currently recommended luminance categories and luminance values for the type of area or activity various interior spaces in the building will serve. Target maintained levels of illumination will be subject to further evaluation during subsequent phases of the design process.

Lamps will be low-mercury type, with mercury content less than 70 picograms per lumen-hour.

Individual task lighting will be provided in open office and multi-occupant areas.

Adjustable lighting controls such as dimming will be provided in all conference rooms, meeting rooms, training rooms, and other multi-occupant areas.

Occupancy sensor auto control of light fixtures shall be provided for all non-patient care areas including but not limited to offices, storage rooms, janitor closets, soiled and clean utility, restrooms, nourishment, meds, consult, waiting, and like rooms.

Daylight harvesting shall be provided for main entry areas and clearstory to daylight harvest light fixtures within 25' of glass.

-ELECTRICAL NARRATIVE-

LIGHTING

Parking Lot Lighting - Provide branch circuits and controls to LED parking lot lighting. Two fixtures in front parking and two fixtures in building rear will be circuited to critical branch, with remainder of parking lot lights circuited to normal power.

FIRE ALARM SYSTEMS

Fire alarm systems will be a 24-volt DC automatic and manual, zoned, non-coded closed circuit, supervised general alarm system using individually addressable devices.

The fire alarm system will be connected to the standby electrical power system, and in addition, will be equipped with backup batteries to operate the supervision system and associated trouble signals for up to four hours if both normal and standby power sources are unavailable.

The fire alarm system will be zoned with zones conforming to individual smoke compartments. In addition, zones will be provided for each air handling unit, the main sprinkler flow alarm switch, sprinkler zone flow alarm switches, and sprinkler valve tamper switches.

Zone annunciators will be provided as required.

Provide tamper switches and connection to fire alarm system for backflow preventers (located outside the building). Coordinate location of backflow preventers.

COMMUNICATIONS AND MISCELLANEOUS SYSTEMS

General: Provide backbox and raceway conduit stub-ups to above accessible ceiling for the following Owner provided systems: Nurse Call Including Code Blue, Access Control, Surveillance, Overhead Page/ Public Address, TV, Master Clock System, Voice/ Data.

Provide j-hook pathway system throughout all corridors of hospital.

Television Antenna Distribution System will consist of antenna outlets in patient rooms, waiting areas and other locations, cable in conduit, amplifiers as required and connection to either a master antenna (MATV) for the facility or the community antenna (CATV) system.

The Background Music/Public Address System will consist of ceiling mounted speakers in corridors and waiting areas, wiring in conduit, amplifiers and music sources as required, microphones and inputs from the telephone system for paging as required.

Master Clock System.

Patient Area Nurse Call Systems will be full-feature manual-type audio-visual system. Master stations will be located at the nurse station. Duty stations or staff/duty stations will be located in clean and soiled utility rooms, nourishment rooms, and medication rooms, and

-ELECTRICAL NARRATIVE-

COMMUNICATIONS AND MISCELLANEOUS SYSTEMS

other areas as needed. Emergency pull cord stations, with the cord extended to within 2" above finished floor, will be located in all patient toilet rooms, shower rooms, and tub rooms.

Diagnostic Area Nurse Call Systems will be a visual system with annunciator panels at nurse or control stations. Patient emergency pull cord stations will be provided at all toilet rooms and dressing rooms. Patient bed stations will be provided at all locations where patients will be left unattended. Staff emergency stations will be provided in all procedure rooms.

A Cardiac Arrest "Code Blue" system will be provided for staff use in each operating room, recovery room, patient rooms, etc.

An empty raceway system will be provided for Owner furnished telephone equipment cable, data processing cable, timeclock system cable, and cardiac monitoring system cable.

Lightning Protection System, Mater UL Label is included within the project scope.

Hurricane Medical Center MOB



DESIGN NARRATIVE



ELECTRICAL NARRATIVE

ELECTRICAL SERVICE AND DISTRIBUTION

Electrical Service to Building 277/480-volt three-phase four-wire; Underground from pad mounted transformer

Main Electrical Switchboard Service entrance rated switchboard with distribution; Incoming utility meter section, solid state 3,000A main circuit breaker section with LSIG trip function and integral power meter;

Each feeder breaker in distribution section is solid state electronic with LSI, GFPE, and integral power meter;

Feeder Breakers:

- (4) 250AF 3P serving each Roof Top HVAC Unit
 - (3) 600AF 3P serving distribution panels on floors 2,3,4
 - (1) 1,000AF 3P serving distribution panel on 1st floor
 - (1) 250AF 3P serving Article 700 ATS (normal side)
- Integrated SPD;

Essential Electrical Power System (for future ASC)

750 kW Packaged diesel generator outside in weather-proof sound enclosure with adjacent day tank (UL2085);

Level 1, Class 48, Type 10 EPSS (Essential Power System Supply) rated at 0.8 PF, 277/480V 3P4W;

Dual purpose exterior generator docking station connected to the EPSS feeder for load bank testing and connection of temporary generator;

Generator distribution panel (GDP) 1,200-amps to distribute to the following ATS:

Article 700 Branch: 250A 4-pole ATS serving core area emergency lighting, generator accessories, fire alarm, elevator lighting and controls, sump pump, jockey pump

Fire Pump: Fire pump controller with integrated 250A 3-pole ATS

Future: Future ASC tenant will require Life Safety (100A), Critical (250A), and Equipment branch (400A) ATS

Hurricane Medical Center MOB



DESIGN NARRATIVE



ELECTRICAL NARRATIVE

ELECTRICAL SERVICE AND DISTRIBUTION (continued)

Feeders/Conductors/ Conduit Feeders in EMT conduit using copper conductors for 200-amps and less; Aluminum conductors if over 200-amps.

PVC conduit used underground.

Interior Electrical Distribution Transformers

Aluminum winging; 150C rise; Dry-type distribution transformers compliant with DOE standards.

Electrical Branch Circuit Panelboards

Dead front style commercial panelboards with bolt-on breakers; Tin-plated aluminum bus

Motor Starters

NEMA sized motor starters for exhaust fans and other equipment requiring control that does not have a factory installed control panel.

LIGHTING AND BRANCH WIRING

Electrical Branch Wiring MC cable for 20-amp branch circuits on normal branch; EMT and copper wire for all essential branch circuits and branch circuits larger than 20-amps; EMT/copper for all homeruns above ceiling.

Receptacles and general power Commercial receptacles; GFCI in all wet areas and as required by NEC

Interior Lighting Dimmable LED fixtures in public spaces of core; Accent lighting and wall sconces in public areas; See architectural RCP for ceiling types.

4' strip lighting with lenses in mechanical and back of house spaces; Wall mounted linear LED with integral occupancy sensor for all stair lighting.

Life Safety Lighting All egress lighting fed from Life Safety system; Emergency battery powered lighting at the generator location;

Exterior Building Lighting Accent lighting, canopy lighting where required; Egress lighting at all exits.

Lighting Controls PIR vacancy sensors in small spaces; Dual-Technology vacancy/occupancy sensors and power packs in larger spaces;

Hurricane Medical Center MOB



DESIGN NARRATIVE



ELECTRICAL NARRATIVE

LIGHTING AND BRANCH WIRING (continued)

New lighting control panel for exterior lighting and main lobby/core area circulation;

COMMUNICATION AND SECURITY

Detection and Alarm	Complete fire alarm system; Public mode; Include duct smoke detectors, sprinkler water flow monitoring; integration with smoke dampers.
Security Access and Surveillance	By Others – Power/raceways requirements under division 26
Voice and Data Systems	By others – Power/raceways requirements under division 26
Public Address and Music Systems	By others – Power/raceways requirements under division 26

OTHER ELECTRICAL SYSTEMS

Lightning Protection Systems	New LPS for entire facility; NPFA 780 compliant
Solar Power Generation	Preparation for future roof-mounted solar array
Electric Vehicle Ready	Six (6) Level II EV charging stations in designated areas of the parking lot; Exterior rated 112.5 kVA step down transformer and 400-amp MCB panel inside generator enclosure, dedicated for these 6, and up to 10 future EV charging stations.

DOORS

Provide card readers at front doors, back doors, and stair doors.

ELEVATORS

ThyssenKrupp. Machine room – less. Owner to select specific model.

Cab finishes:

- Stainless steel doors, frames (brushed finish) and handrail. Wilsonart raised laminate panels.
- Tile floor.

Hurricane Medical Center MOB



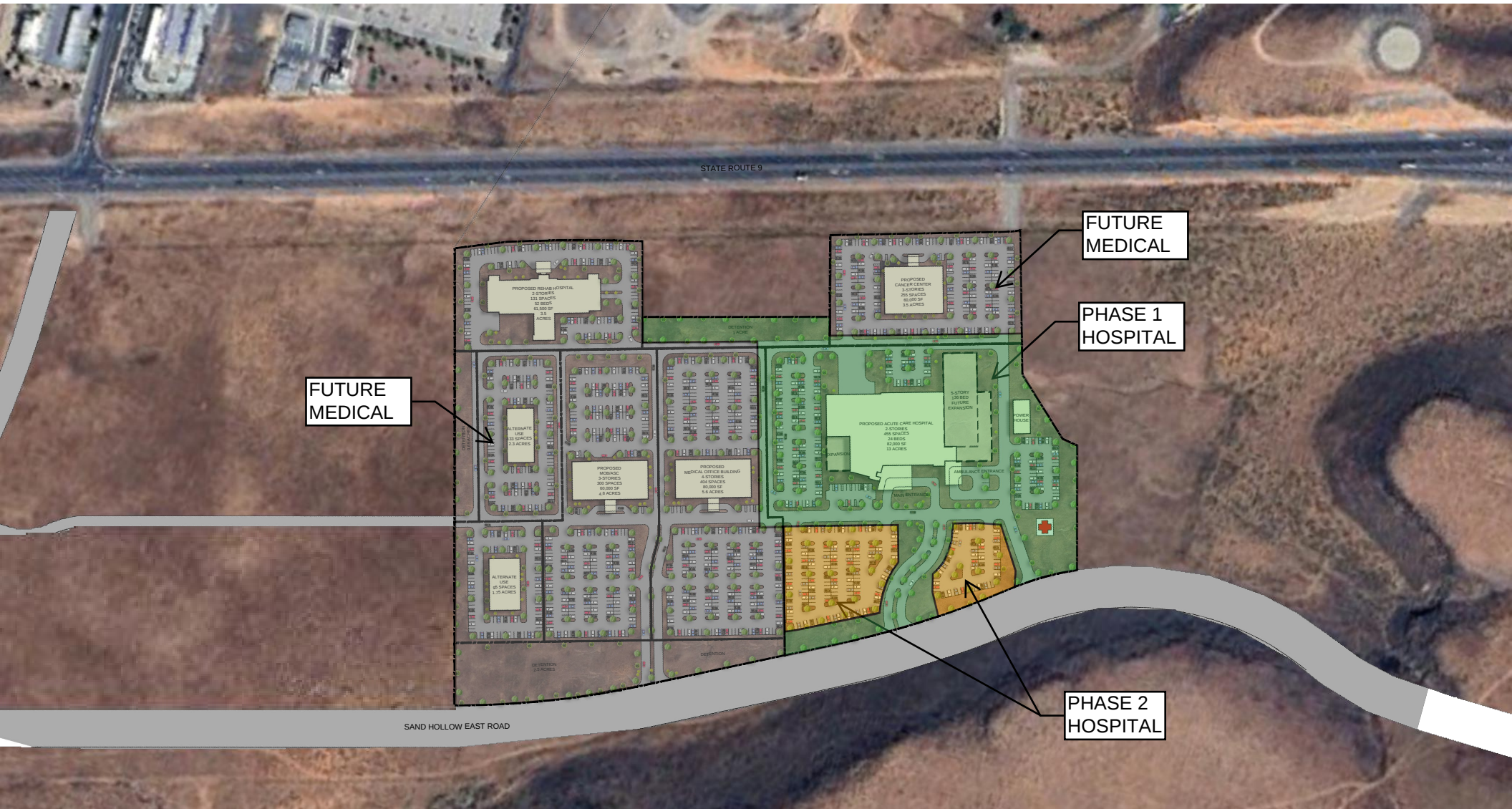
DESIGN NARRATIVE



ELECTRICAL NARRATIVE

OTHER ELECTRICAL SYSTEMS (continued)

- Stainless ceiling with accent can lighting (light levels to be consistent with lobby)
- One set of pads per cab.







UTAH ASSOCIATED MUNICIPAL POWER SYSTEMS

April 2025

Project Meeting Overview Report

CARBON FREE POWER PROJECT (CFPP)

1. Discussed in Executive Session:
 - a. Project wind down status, timeline and DOE engagement.

CENTRAL-ST. GEORGE PROJECT

1. Discussed in Executive Session:
 - a. Current litigation updates and next steps.
2. **Discussed and approved the FY2026 System Usage Analysis including forward energy projection and load growth.**
3. **Approved the execution of the 138kV Looping Term Sheet.**
4. Discussed the rerouted transmission line update including ICPE's evaluation.
5. Discussed the Operations Report including substation reports for the month of March.

COLORADO RIVER STORAGE PROJECT (CRSP)

1. Discussed CRSP/CREDA issues including hydrology, 12-Mile Slough, CRSP rate and WAPA workforce.
2. Discussed the Operations Report including output for each resource for the month of March.

GOVERNMENT AND PUBLIC AFFAIRS PROJECT (GPA)

1. Discussed Federal & State Legislation including Executive Branch and Congressional Updates:

- a. Federal update including remembering Congresswoman Love.
 - b. Executive update including DOGE, tariffs, tax cuts and other items.
 - c. Overview of the Clean Air Act endangerment findings.
 - d. Overview of the National Debt and the Federal Budget including long-term debt reduction requiring legislative and executive coordination.
 - e. Congressional update including the adoption of both Senate and House budget resolutions, the reconciliation process and other policy items.
 - f. State update including 2025 General Session recap, the data regarding the passage of bills during the session and legislative strategies moving forward.
 - g. Idaho State congressional update including proposed bills that did not pass but were aimed at wind energy projects or out-of-state entities and would have impacted HBW.
2. 40101(d) Grants update including changes made to the narrative which allocated funding to small utilities.
 3. Discussed the GPA Year in Review handout including the strategy and goals for the upcoming year.

MEMBER SERVICES PROJECT

1. **Approved resolution to authorize and delegate authority to the Project Management Committee to approve the Brigham City MIG Service; and related matters.**
2. **Approved moving forward with the formation of an Ephraim City MIG Service.**

MILLARD COUNTY PROJECT

1. Discussed in Executive Session:
 - a. Project update including current status, site control work and next steps.
 - b. Update on the Owner Engineer/Prime Engineer Contract.
 - c. News on LGI including PAC's filing to FERC.
 - d. Target Price discussion with PMC including modeling parameters.

NEBO PROJECT

1. Discussed plant operation including March statistics, operational item highlights, regulatory/training highlights, GT Capital repair summary and water issues.
2. Discussed transmission needs including plan, budget and supplies.
3. Discussed the Operations Report for the month of March including Nebo energy breakdown and Nebo sales margins.

POOL PROJECT

1. Discussed PX and Scheduling Report including production by resource for FY2025, resource yearly capacity factor in FY2025 and yearly resource amounts by type.
2. Discussed a breakdown of frequently used EDAM acronyms.
3. Discussed EDAM updates including PacifiCorp EDAM tariff and policy development, contract executed with TEA for the Scheduling Coordinator role, different workstreams and ongoing MIG meeting scheduled.
4. Discussed EDAM operations participation review and process, MIG participation update and a high-level overview of MIG protocols and EDAM resource economics.
 - a. CAISO's website for up-to-date energy pricing (Price Map):
<https://www.caiso.com/todays-outlook/prices>
5. Discussed the Operations Report for the month of March including load peak and energy, along with Pool information.

POWER COUNTY PROJECT

1. Elected Brian Jeppson as Project Chair.
2. **Approved resolution relating to the Power County Power Project; declaring the Effective Date of the Power Sales Contracts; confirming the organization of the Project Management Committee; approving the final terms and provisions of the Power Sales Contracts; approving the initial Budget and Plan of Finance; approving the organization of Project Company and its Operating Agreement; authorizing and directing UAMPS to proceed with the Project under the direction of the Project Management Committee; and related matters.**

3. **Approved resolution relating to the Power County Power Project; authorizing and approving a Credit Agreement to provide funding for the Development Costs of the project and the pledge of revenues and accounts to secure UAMPS' obligations under the Credit Agreement; and related matters.**
4. Discussed in Executive Session:
 - a. Project update including development parameters, subscription and next steps.

RESOURCE PROJECT

1. **Approved the formation of a stand-alone Power County NG Project.**
2. Discussed in Executive Session:
 - a. Rodatherm and Cove Fort 2 updates including current status.
 - b. Uinta Wind Study Project update including TSR restudy, PPA details and current status.
 - c. HBII Study Project update including potential partnership and current status.
 - d. Fremont Solar & Storage update including PPA impacts from tariffs, transmission, current status and next steps.
3. **Approved the Fremont Solar and Storage Side Letter Agreement.**

SPECIAL MEMBER MEETING

1. **Election of Directors:**
 - a. **Power County Project Directors.**

BOARD OF DIRECTORS MEETING

1. Guest Speaker:
 - a. PacifiCorp Wildfire Briefing including wildfire messaging plan, campaigns, customer and stakeholder outreach, situational awareness, operational practices, Public Safety Power Shutoff (PSPS) and notification process.
 - b. https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/wildfire-mitigation/2023_Utah_WMP_V5.pdf

2. **Approved resolution authorizing and approving the extension of the Line of Credit Agreement between Wells Fargo and UAMPS; and related matters.**
3. **Approved resolution relating to the Power County Power Project; authorizing and approving a Credit Agreement to provide funding for the Development Costs of the project and the pledge of revenues and accounts to secure UAMPS' obligations under the Credit Agreement; and related matters.**
4. **Approved resolution relating to the Carbon Free Power Project; authorizing and approving the Fourth Amendment to the Revolving Credit and Security Agreement between UAMPS and Bank of America; and related matters.**
5. **Approved EIM Funding Cap of \$5M and the review and reporting process of the EIM Fund Balance as compared to the Cap.**
6. **Discussed and approved UAMPS FY26 Strategic Initiatives including future changes and goals.**
7. Discussed the development of a UAMPS All Requirements Project Model including background, exploring multiple options and strategies and next steps.
8. Discussed the new UAMPS banners and community branding. **Members received updated UAMPS sponsorship banners.**
9. Discussed transmission overview:
 - a. Frequently used acronyms and definitions.
 - b. Types of Transmission Service Requests (TSR), challenges and study process.
 - c. Overview of the System Impact Study and Facilities Study.
 - d. TSR submissions, future strategy and planning.
10. Discussed the Steel Solar Scholarship awardees.
11. Discussed the date for the budget to actual comparison walk-through.
12. Approved all action items for the Project Meetings.



Municipal Toolkit Workshop

April 17, 2024

Mason Baker, CEO/General Mgr.

A Perfect Storm

**This Decade
Represents a
Perfect Storm of
Challenges and
Opportunities.**

2020

2021

2022

2023

2024

2025

2026

2027

2028

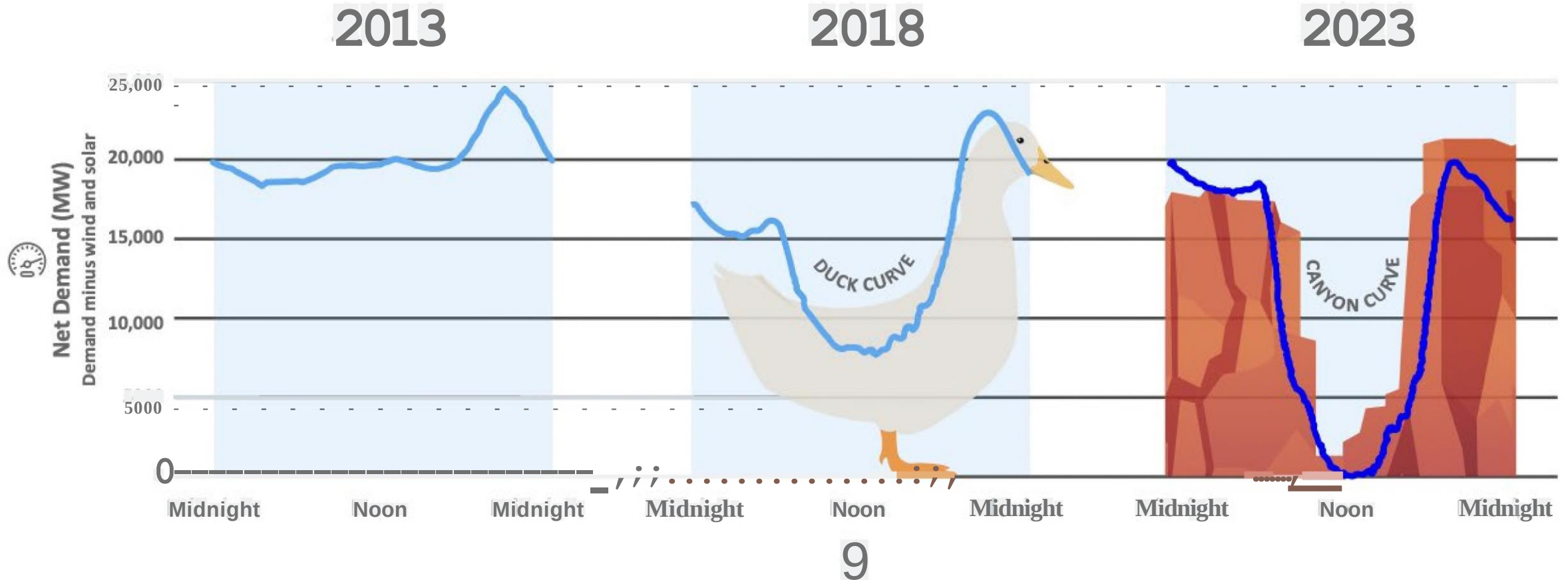
2029

2030

FUNDAMENTAL SHIFT

Renewables Driving a Fundamental Shift in System Operations

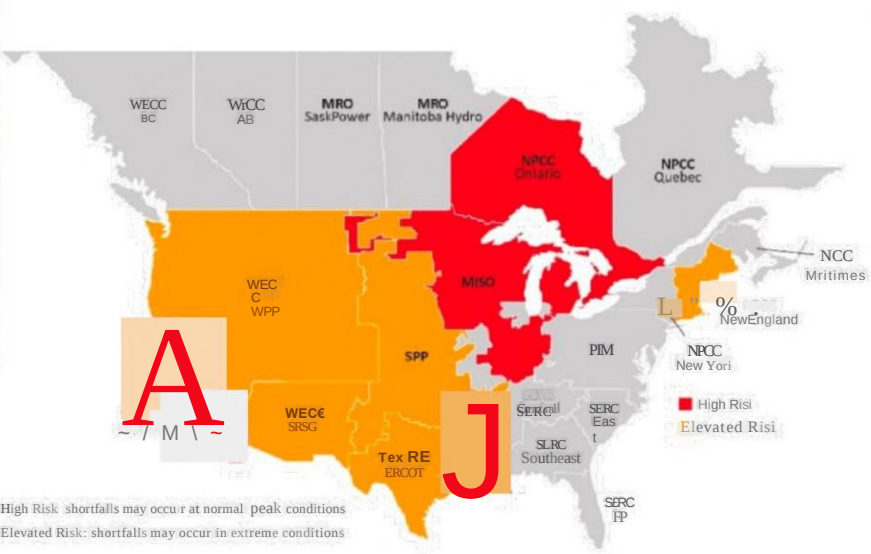
SPRING DAY NET LOAD
Dispatchable Power Demand



Early Signs of Reliability Challenges

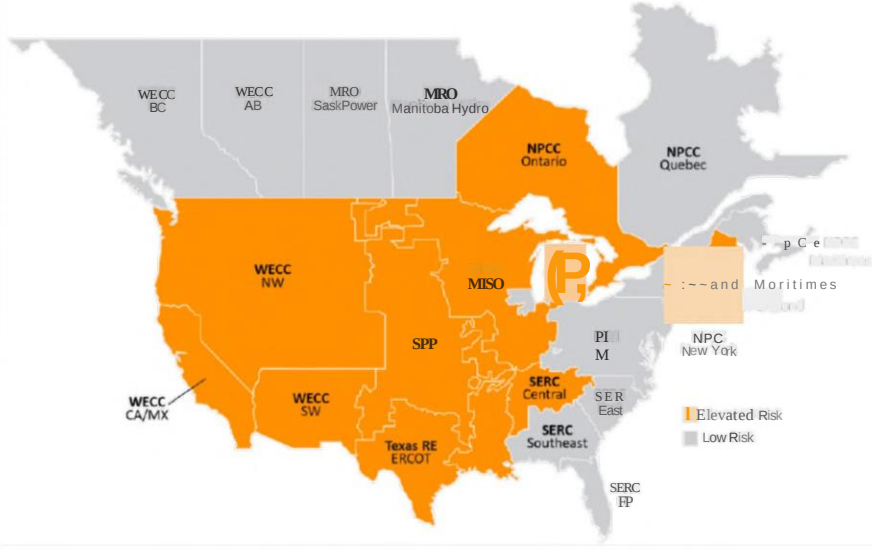
2022 NERC Long-Term Reliability Assessment

3 regions high risk
5 regions elevated risk



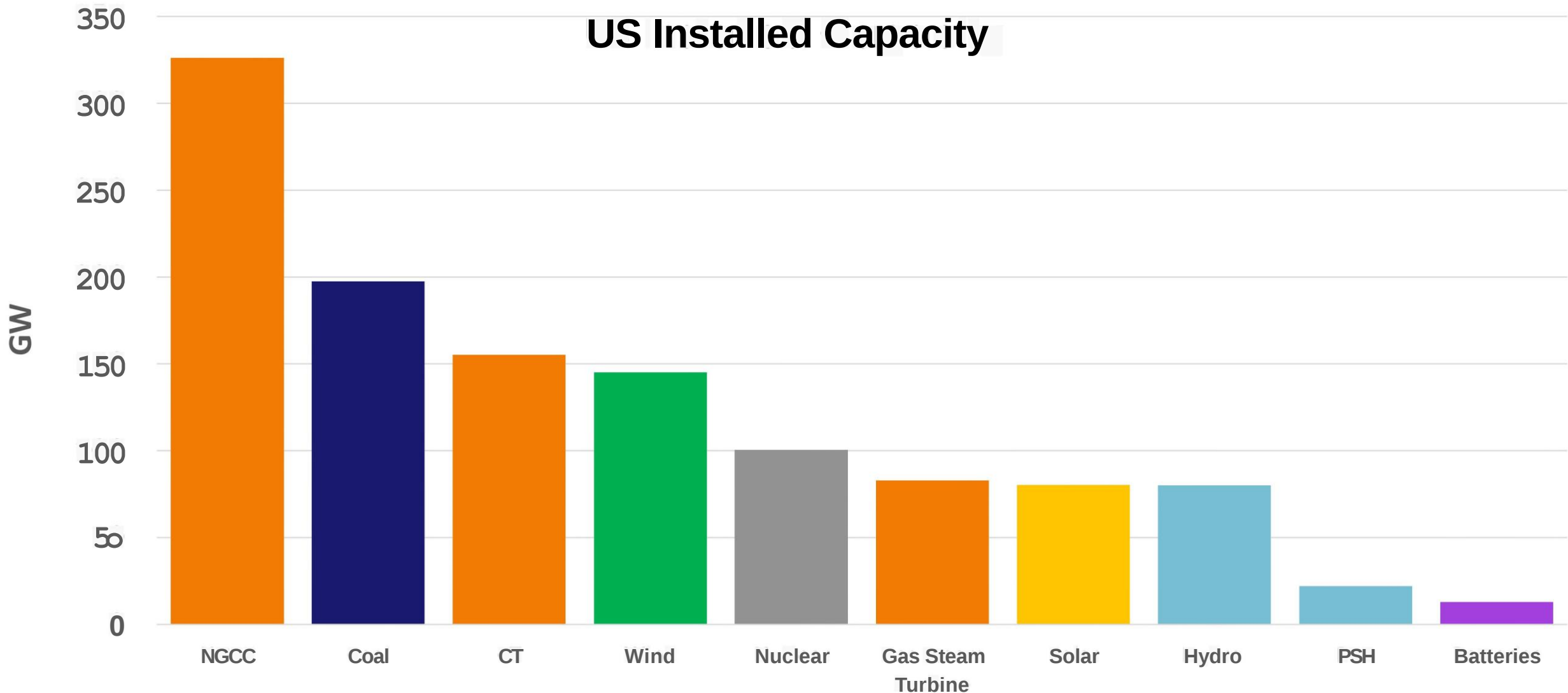
2023 NERC Summer Reliability Assessment

50% of the US elevated seasonal risk



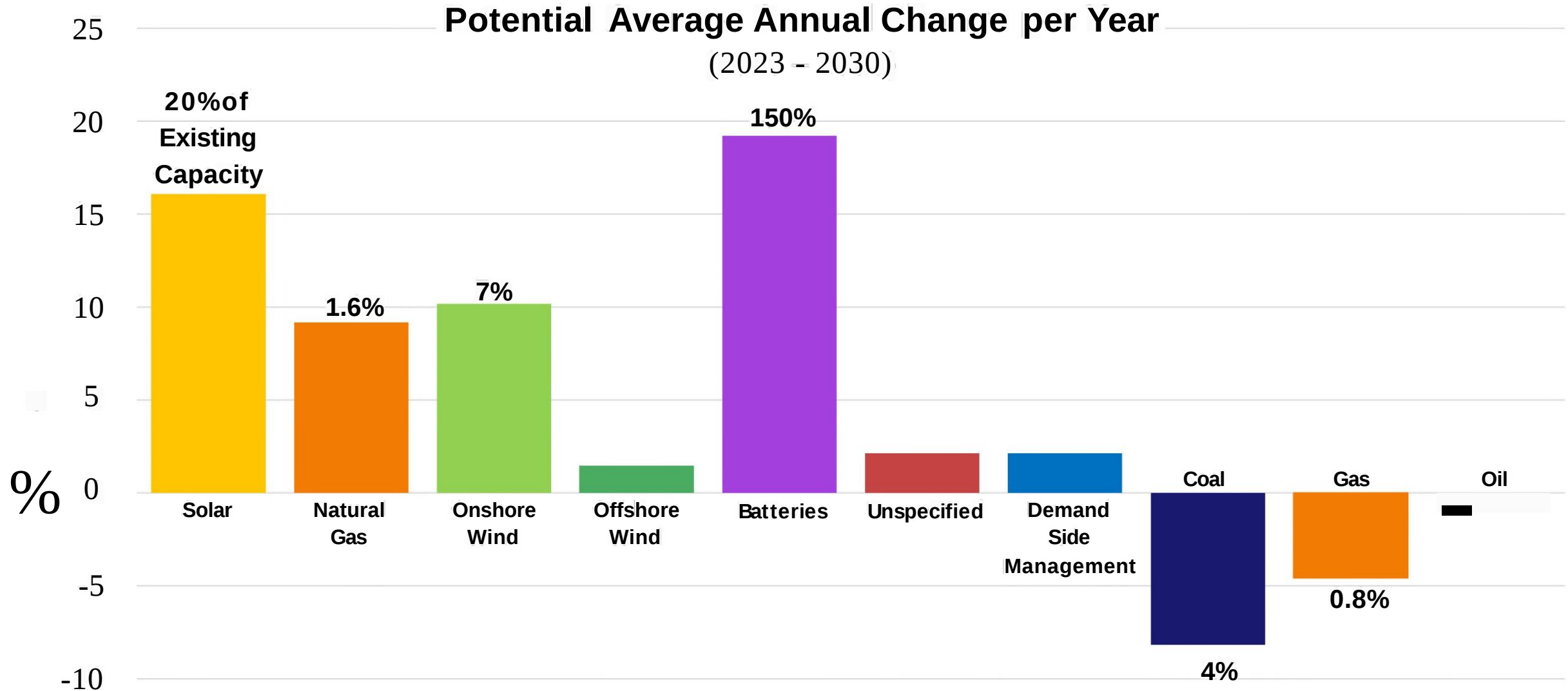
Seasonal Risk Assessment Summary	
High	Potential for insufficient operating reserves in normal peak conditions
Elevated	Potential for insufficient operating reserves in above-normal conditions
Low	Sufficient operating reserves expected

US Capacity Today



US Resource Plans Today

What is the build plan?



LAMPS



FY25 Strategic Initiatives

Mason Baker, CEO/General Mgr.

Increase Organizational Strength

- Financial Health Checks for the Members
 - UAMPS will request additional information through the annual data collection from members
 - Ensure downstream impacts to project financial ratings are known and characterized prior to rating agencies' reporting on rating changes
 - Benchmarking opportunity for members relative to other UAMPS members
- Develop Financial Metrics to Determine Cost Effectiveness of UAMPS Rates for Individual Members
- Succession Planning

Scheduling Improvements

- Study All Requirements Project and Present to Membership
- Explore Revisions to Pool Project and the Pool Agreement (Economic Dispatch)
- Implement ERTM Software for Scheduling Operations Department

Prepare for Electric Market Transitions

- Evaluate EIM/EDAM Participation (FY24 Carry Over)
- WRAP/Resource Adequacy Evaluation/Preparation for the Members (FY24 Carry Over)

Enhance Member Services

- Evaluate/Implement New Members Services
- Continue to Investigate/Implement AMI Solutions as a Member Service

UAMPS

All Requirements Project Investigation

April 2025
Mason Baker

Background and Process

- Members expressed an interest in exploring an all-requirements membership model about one year ago and staff has been exploring potential all requirement membership models.
- Staff has been meeting with joint action agencies that have all requirements members.
- Staff has a draft memorandum that it will circulate after the April meeting, based on board feedback, to further progress this investigation.

Next Steps in the All Requirements Investigation



**All Requirements
Introduction and Memo**

April/May 2025

1) Feedback on Memo from
Members; (2) Refinement of
All Requirements Options



**Selection of All
Requirements Project
based on Specific
Project Parameters**

June/July 2025



**Develop All
Requirements Project
Agreement**

July/August 2025



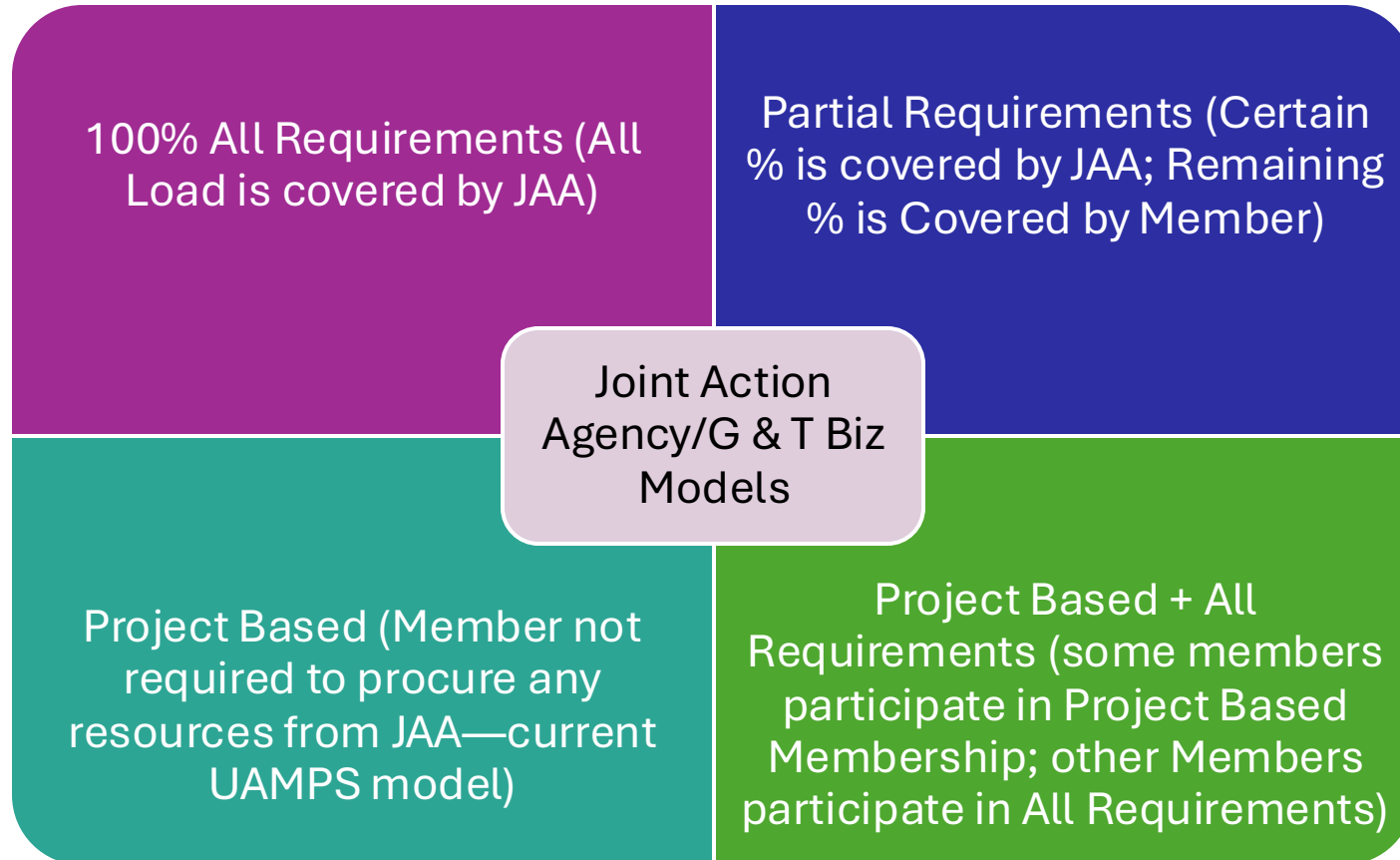
**Governing Body
Approvals for All
Requirements Project
Agreement**

Fall of 2025

Staff Observations

- If an all requirements project is pursued there will be some members that elect to continue being project based members.
 - In designing an all requirements project, this design will need to account for a blended organizational model of project based and all requirement members.
- Changes being imposed by EDAM may make it an ideal time to introduce an all requirements project; certain changes imposed by EDAM will require new cost allocation for all UAMPS members, regardless if an all requirements project is formed.
- UAMPS staff and members need to identify what benefits are desired for the all requirements project, so those benefits can be considered in designing the project.

Membership JAA Participation Models



Strawman All Requirement Options



Light

Very little difference for the settlements between all requirements and project based members – the difference is in procurement of resources



Medium

- An aggregation of all requirement needs, and pay a fixed \$/MWh for the all requirements energy newly procured
- All requirement members continue to pay same costs for existing resources



Heavy

Members assign their resources, receive compensation/ credit for the resources contributed and receive an equalized charge to all requirements members for energy

Strawman UAMPS All Requirements Project

1. UAMPS delegated the obligation to procure a member's power supply needs via all requirements project contract (currently a member responsibility under project based model)
2. Member is credited for its existing resources (this crediting will occur for both all requirements and project based members under EDAM settlement process)
3. UAMPS required to supply member's incremental power supply needs beyond member's existing resources (currently UAMPS provides this through the unplanned pool but it is a member's responsibility under project based model)
4. UAMPS undertakes planning/forecasting obligation to ensure member's power supply needs are met (currently done by UAMPS but not a formal requirement of UAMPS, plan to continue/enhance annual member forecast for all members)
5. All requirements and project based members will participate in the annual revision to Resource Procurement Plan (RPP) (currently the Resource Procurement Plan is a planning exercise but will have increased importance for all members to ensure resource adequacy is met in the future)
6. All requirement members vote on majority basis to participate in power supply procurements at the RPP level.
 - UAMPS staff would determine the amount of participation for the specific resource projects that materialized from the RPP.
 - The all requirements members would vote as a block during the year for any resources that deviated from the RPP. (currently each member votes individual on any resource procurement decision).

Key Questions for the Members

1. Which form of an all requirements membership sounds appealing? Light, Medium, Heavy? If so, then why? If not, then why not?
2. What do members think about UAMPS taking on a more prescribed role on member forecasting?
3. Does the annual involvement in revisions to the Resource Procurement Plan provide enough member input into the procurement process along with the majority vote for a specific resource procurement deviating from the Resource Procurement Plan for an all requirements member?
4. What do members think about the change in voting under the all requirements model whereby a majority vote by the all requirements members allows a resource procurement to proceed as to the current project based model that provides each member to always retain the choice to proceed with a particular resource procurement?