

Springville Work Session Presentation



February 6, 2024

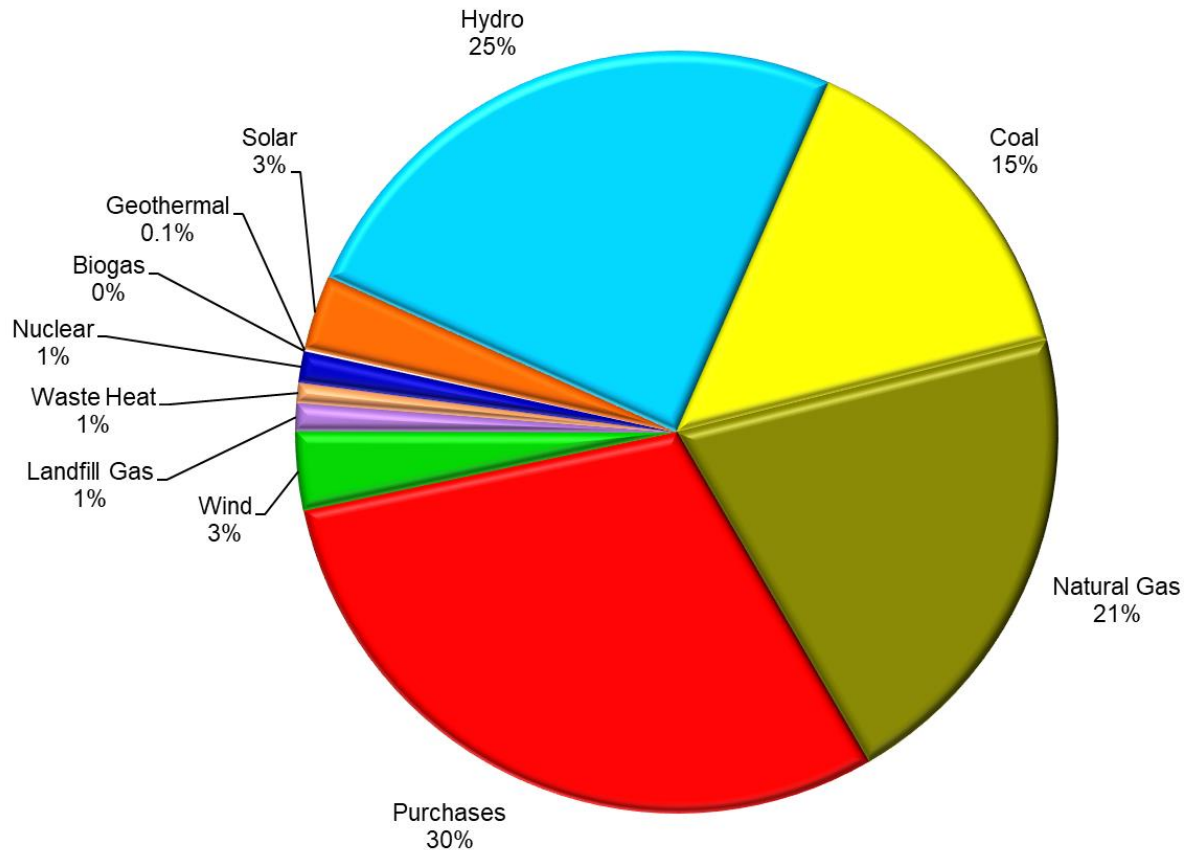
Mason Baker, CEO & General Manager

UAMPS Overview

- A political subdivision formed under the Utah Interlocal Cooperation Act in 1980
- Provides electric services on a non-profit basis to 50 public power utilities in seven western states
- Project-based with 16 Projects
 - Not an all-requirements provider
 - Member autonomy
- Each Project operates independent from one another under the UAMPS umbrella



UAMPS Projects



Resources by Type: 2023

Generation Projects

Hunter Project – coal-fired

San Juan Project – coal-fired (retired)

IPP Project – coal fired (converting to natural gas)

Payson Project – natural gas

Natural Gas Project

CRSP Project – hydro

- **Provo River** - hydro
- **Olmsted** - hydro

Horse Butte Wind Project – wind

- **Repowering and/or HBW 2** – investigating

Veyo Project – waste heat

Firm Power Supply Project

- **Pleasant Valley** – wind
- **Patua** – geothermal and solar
- **Red Mesa Tapaha (2024)** – solar
- **Steel 1A and Steel 1B (2024)** – solar
- **Sunnyside** – waste coal

Carbon Free Power Project – small modular reactors (terminated)

Transmission Projects

Central-St. George Project

Craig-Mona Project

Service Projects

Pool Project – dispatch and scheduling services

Resource Project – investigation of new resources

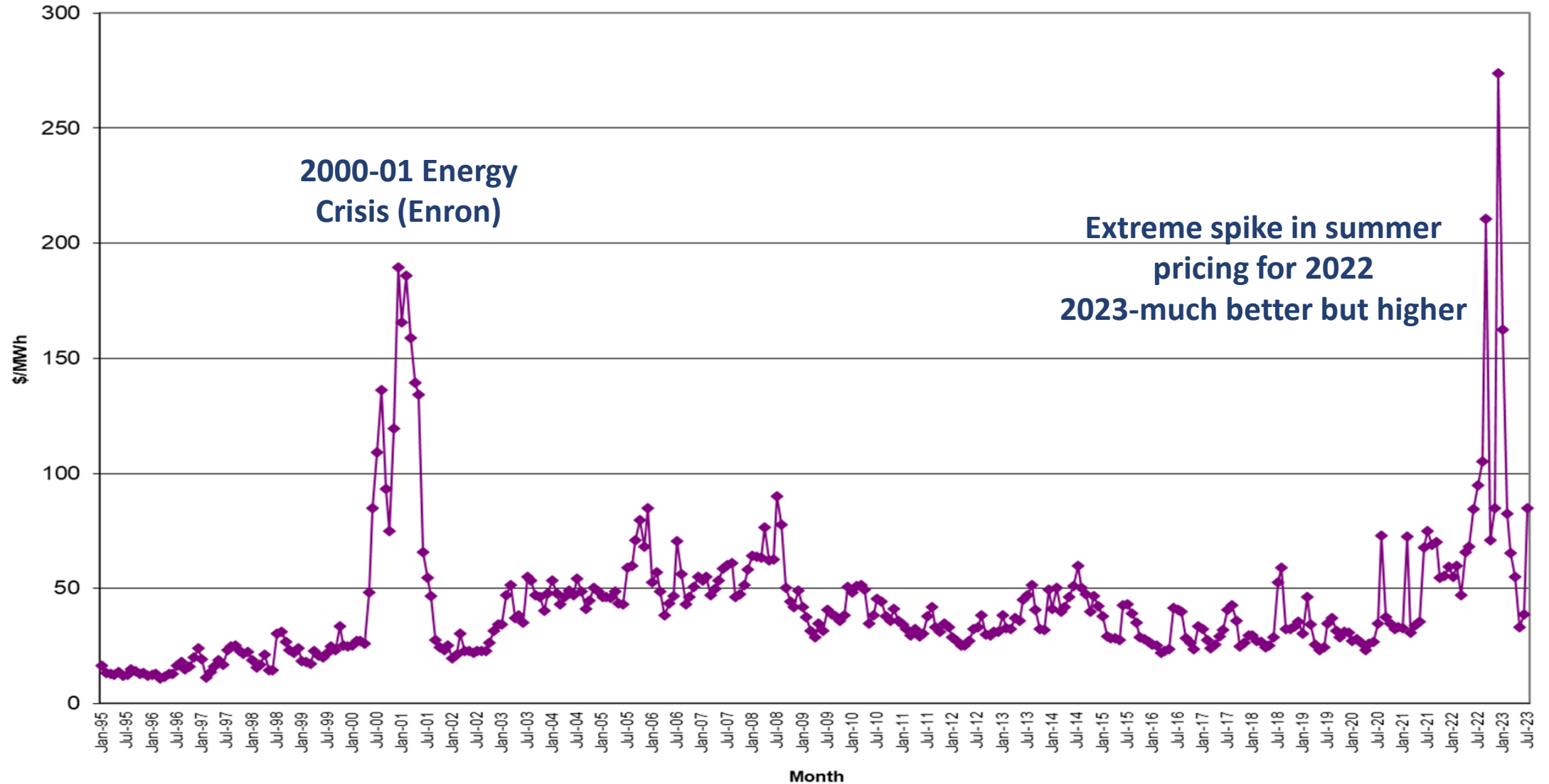
GPA Project

Member Services Project

- Extreme increases in 2022 wholesale pricing
- Financial on member communities
- Learned from these experiences and developed planning tools to minimize risk moving forward



UAMPS Monthly Average Flat Market Price



ENERGY TRANSITION CHALLENGE



Affordability



Transition to Low/No Carbon Generation will result in increased costs to the end use customer



Good news: Renewable generation pricing has become more economic over the last decade



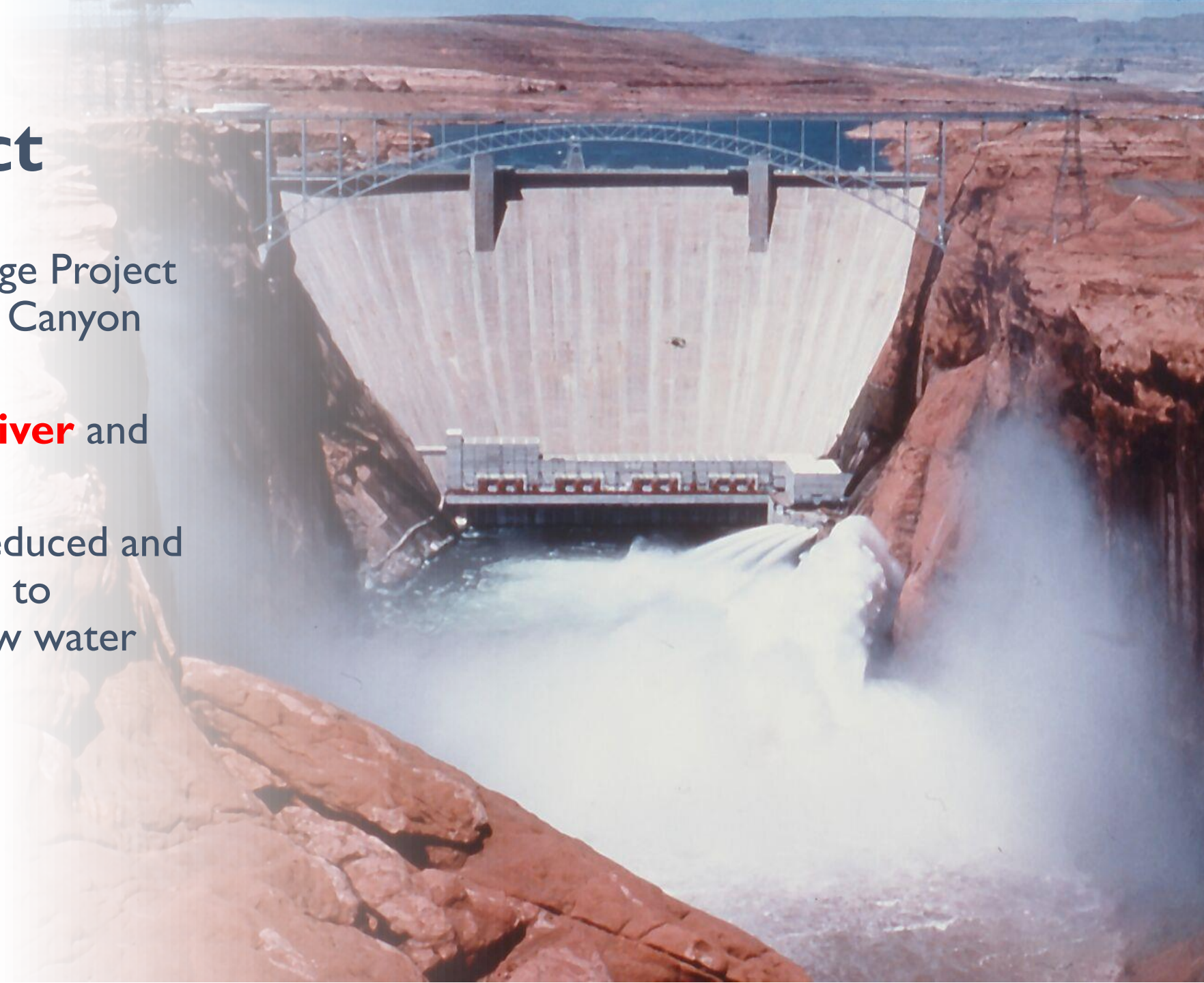
Bad news: Renewables are intermittent and we need dispatchable generation to ensure a reliable electric system



Natural Gas Generation is becoming the default resource to meet dispatchability need but its long-term role in the Energy Transition is uncertain

CRSP Project

- The Colorado River Storage Project is hydro power from Glen Canyon Dam and Flaming Gorge
- Two subprojects **Provo River** and **Olmstead**
- Energy output has been reduced and the rate has increased due to drought conditions and low water conditions



Payson Project (Nebo Plant)

- The Payson Project is a 140 MW combined cycle, natural gas-fired power plant located in Payson
- **Optimizing Operations**
 - In 2023, completed a base load evaluation to increase efficiencies of the unit
 - Purchased five-years of natural gas to operate the plant at sweet spot 24/7/365
 - Analyzing a prepay natural gas transaction to take advantage of a dekatherm discount



Natural Gas Project



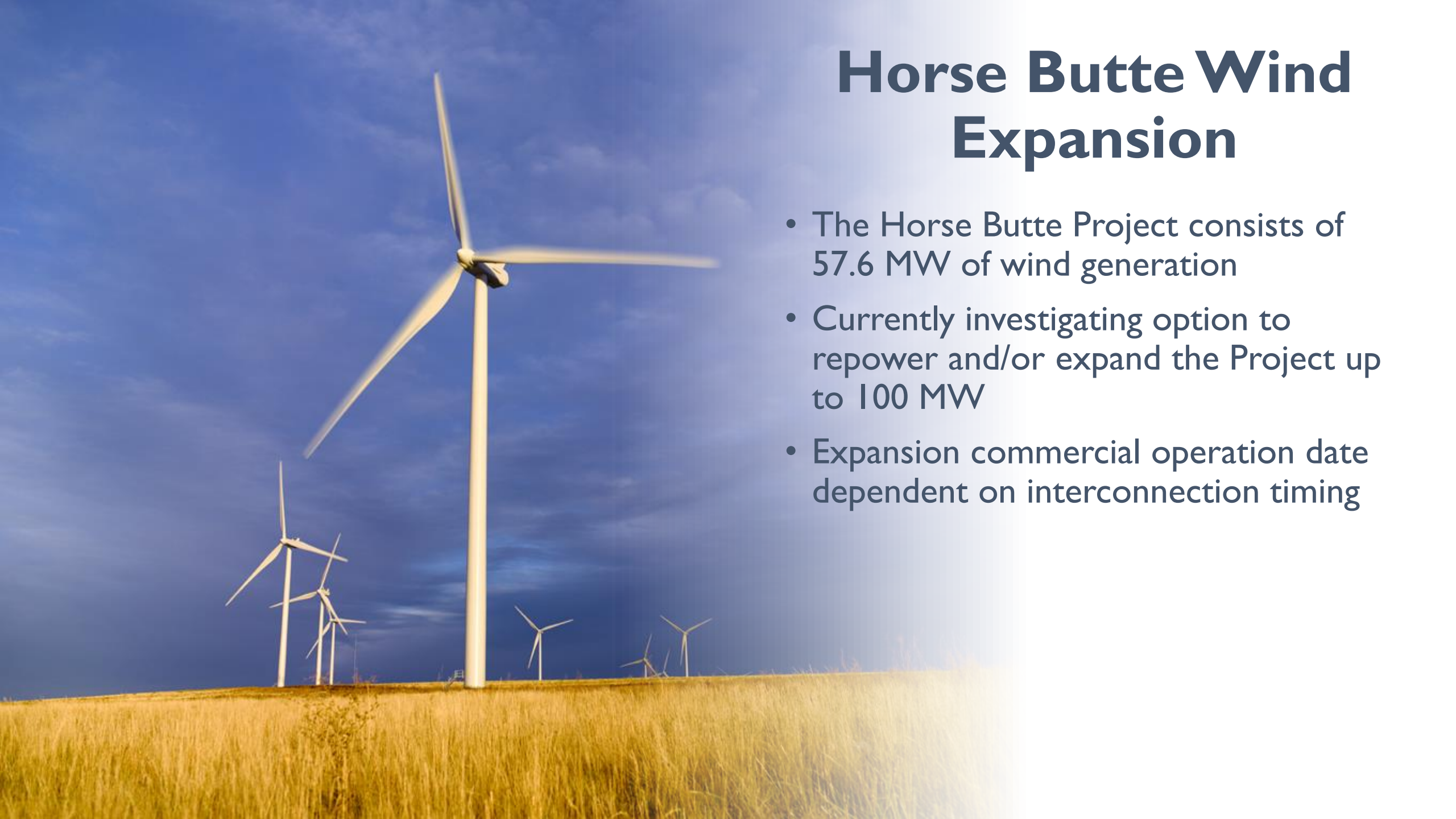
The Natural Gas Project was formed to acquire economical supplies of natural gas



The Project facilitates all fuel for the Payson Project



Members with internal generation have entered into contracts for UAMPS to facilitate purchasing fuel on their behalf



Horse Butte Wind Expansion

- The Horse Butte Project consists of 57.6 MW of wind generation
- Currently investigating option to repower and/or expand the Project up to 100 MW
- Expansion commercial operation date dependent on interconnection timing

San Juan Project

- Units were shutdown in September 2022
- Project will continue until all of decommissioning and reclamation work have been completed





Firm Power Project

- The Firm Power Project provides for the acquisition of multiple third-party Power Purchase Agreements
 - Pleasant Valley Wind
 - Patua Geothermal/Solar
 - **Red Mesa Tapaha Solar**
 - Steel Solar IA and **Steel Solar IB**
 - Sunnyside Waste Coal
 - **Forward market purchase**

Resource Project

- The Resource Project analyzes new long term, energy supply projects
- Criteria includes cost, operations, reliability, transmission access and environmental impacts



Solar + Storage

- Investigating two solar + battery options at ~100 MW solar and 50 MW storage
 - Fremont Solar and Storage
 - Zions Solar and Storage
- Commercial operation date ranging from 2026 to 2028 dependent on interconnection
- Investigating the least cost project structure



Geothermal

- Pursuing 65 MW of geothermal
- Two locations
 - Winnamucca, NV
 - Fallon, NV
- Commercial operation dates / half in Q4 2027 and half Q3 2029
- 25 year take-or-pay Power Purchase Agreement





Natural Gas Generation

- Multiprong investigation
 - Small “behind the meter” as well as large projects
- RFP includes:
 - Identification of two sites
 - Transmission LGIA deadline May 15th
 - Additional Enyo Solar + NG
 - Existing LGIA
- Ongoing evaluation to insure economical competitive
 - Technology (Wartisia, GE and CAT)
 - Air permit limitations
 - Water availability
 - Amortization period

Pool Project



UAMPS acts as an agent for Members for scheduling, load balancing, marketing and transmission



Output of the UAMPS Projects are contractually required to be assigned to the pool



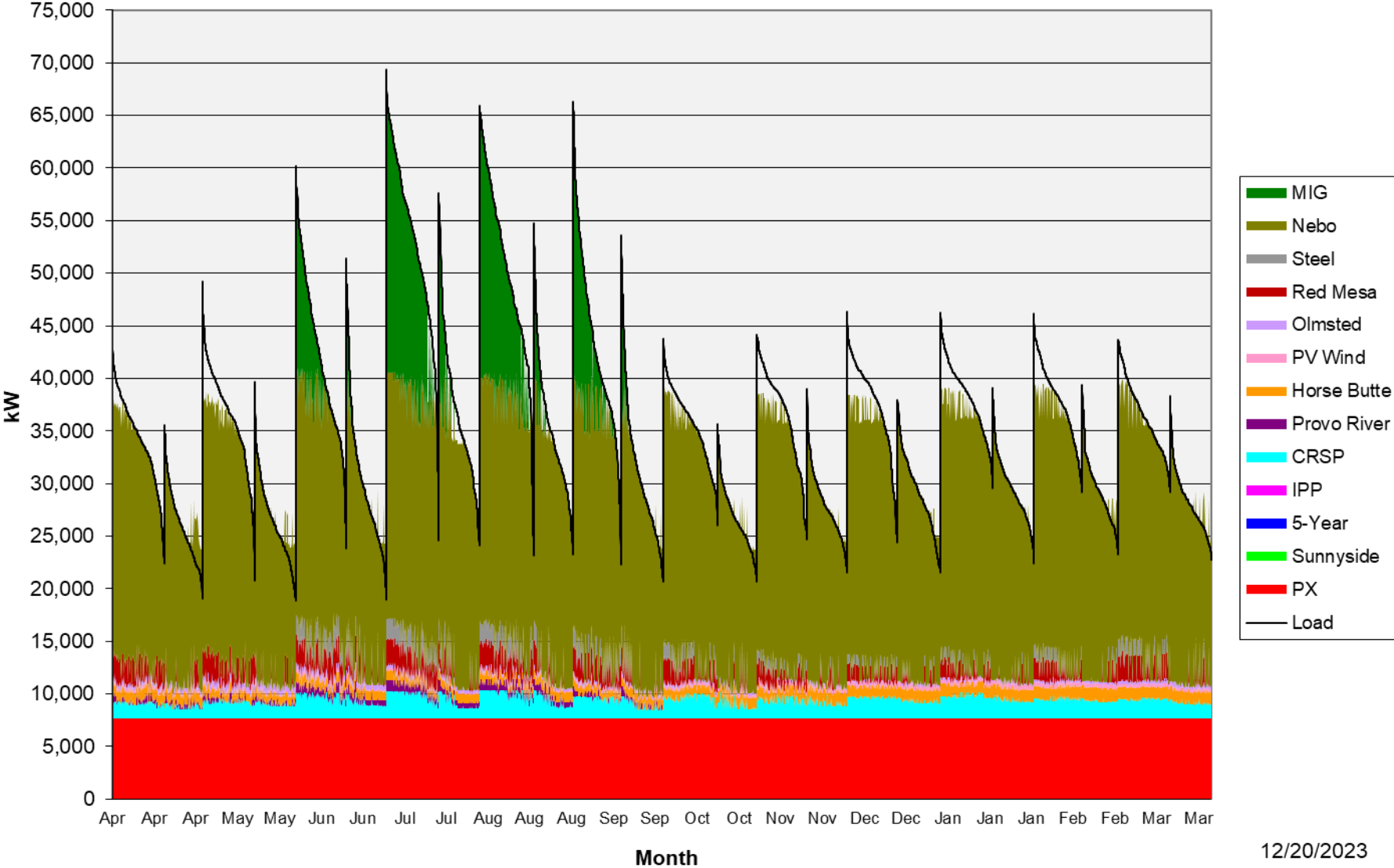
Each member receives its entitlement share of each Project's energy output on an hourly basis

Springville

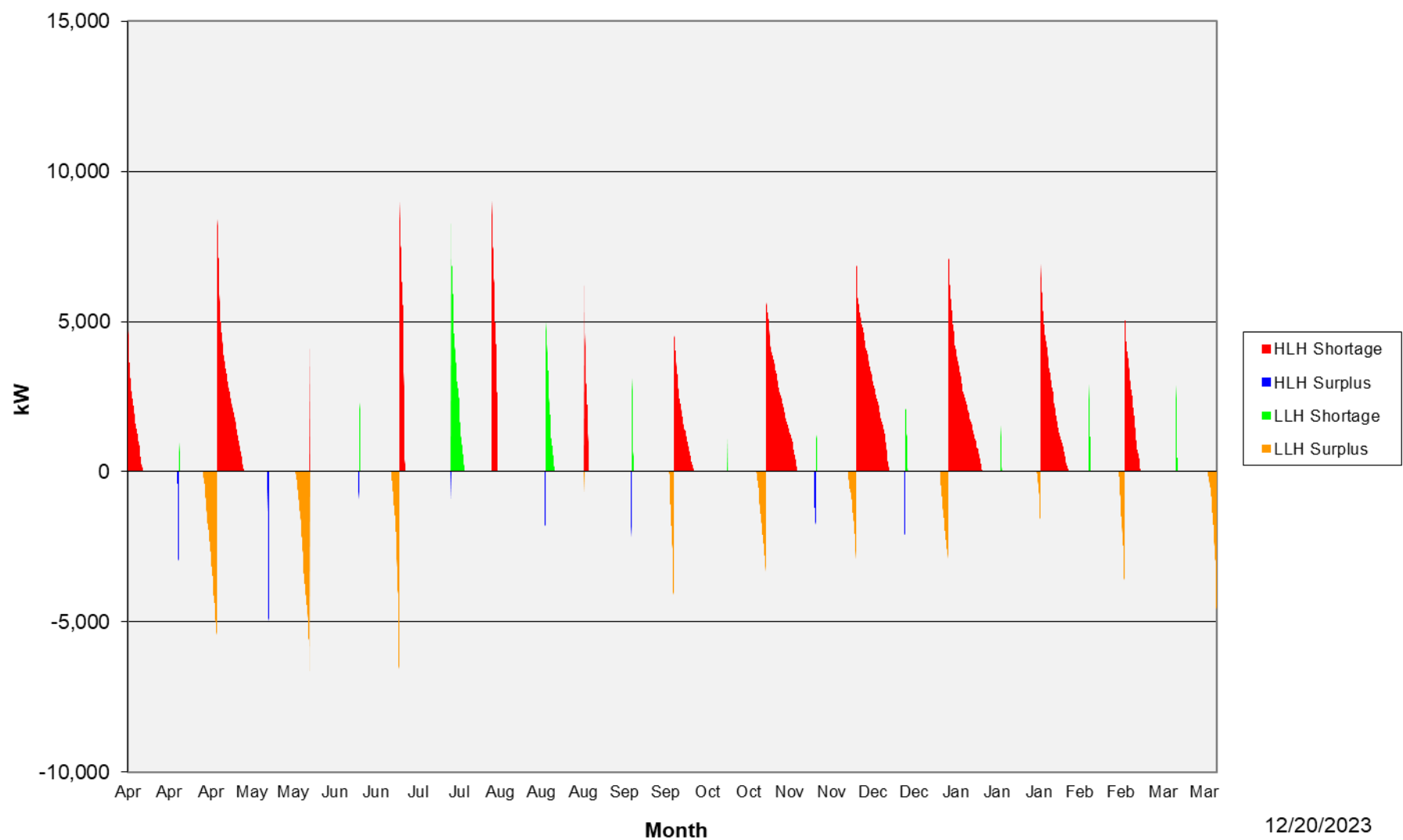
Forecasted Load to Resource Comparison and Shortage/Surplus Results

Month	Forecasted Load ³		Forecasted Load	Forecasted Resources ⁴	kW Average ¹ Shortage/(Surplus) ²		
	kW Peak	kWh Energy			Flat	HLH	LLH
Apr-24	43,403	22,113,240	30,713	30,865	-152	463	-994
May-24	49,165	23,806,911	31,999	31,643	355	1,382	-947
Jun-24	60,173	26,581,988	36,919	37,098	-178	13	-418
Jul-24	69,309	34,424,497	46,269	45,447	823	650	1,042
Aug-24	65,945	32,760,648	44,033	43,463	570	595	535
Sep-24	66,292	27,139,127	37,693	37,637	57	229	-140
Oct-24	43,760	23,791,699	31,978	31,762	216	678	-423
Nov-24	44,179	23,670,170	32,875	32,114	761	1,513	-179
Dec-24	46,329	25,158,783	33,816	32,806	1,010	2,101	-259
Jan-25	46,218	25,672,179	34,506	33,513	993	1,793	-22
Feb-25	46,145	23,054,827	34,308	33,541	766	1,461	-160
Mar-25	43,683	24,483,264	32,908	32,631	277	758	-334
Year	69,309	312,657,333	35,691	35,232	459	967	-189

Springville Forecasted Load and Resources, April 2024 - March 2025



Springville Forecasted Load Compared to Resources, April 2024 - March 2025



Craig-Mona Transmission Project

- The Craig-Mona Project is capacity in two 345 kV transmission lines
- UAMPS has leased its transmission rights to Brookfield until March 2024 and then Mercuria until March 2025



The background of the slide is a photograph of the Utah State Capitol building. The building is a large, white, classical-style structure with a prominent central dome. The dome is dark and has a small lantern on top. The building is surrounded by a low wall with the words "STATE OF UTAH" inscribed on it. The sky is blue with some light clouds.

Government & Public Affairs Project

The GPA Project monitors governmental and regulatory agencies on a local, state and federal level



Member Services Project

- The Member Services Project was undertaken to address community needs
- The current services include **Power Factor Test Set, Pole Testers, Battery Test Set, OSHA training, APPA dues, IPSA dues, eReliability Tracker**, Energy Trader subscription, **Gridware**
- The Project includes a 1,600 kW mobile generator
- Hurricane, Hyrum and Washington have used the Project to acquire and finance internal generation

**UAMPS and
the Members
are Partnering
Together on
SOLUTIONS**

Educate

- Educate on the cause-effect relationship for resource options

Find

- Find least-cost power options moving forward

Analyze

- Be analytical and intentional in resource decision

QUESTIONS
