

Ephraim City Council Presentation

February 7, 2024

Mason Baker, CEO & General Manager

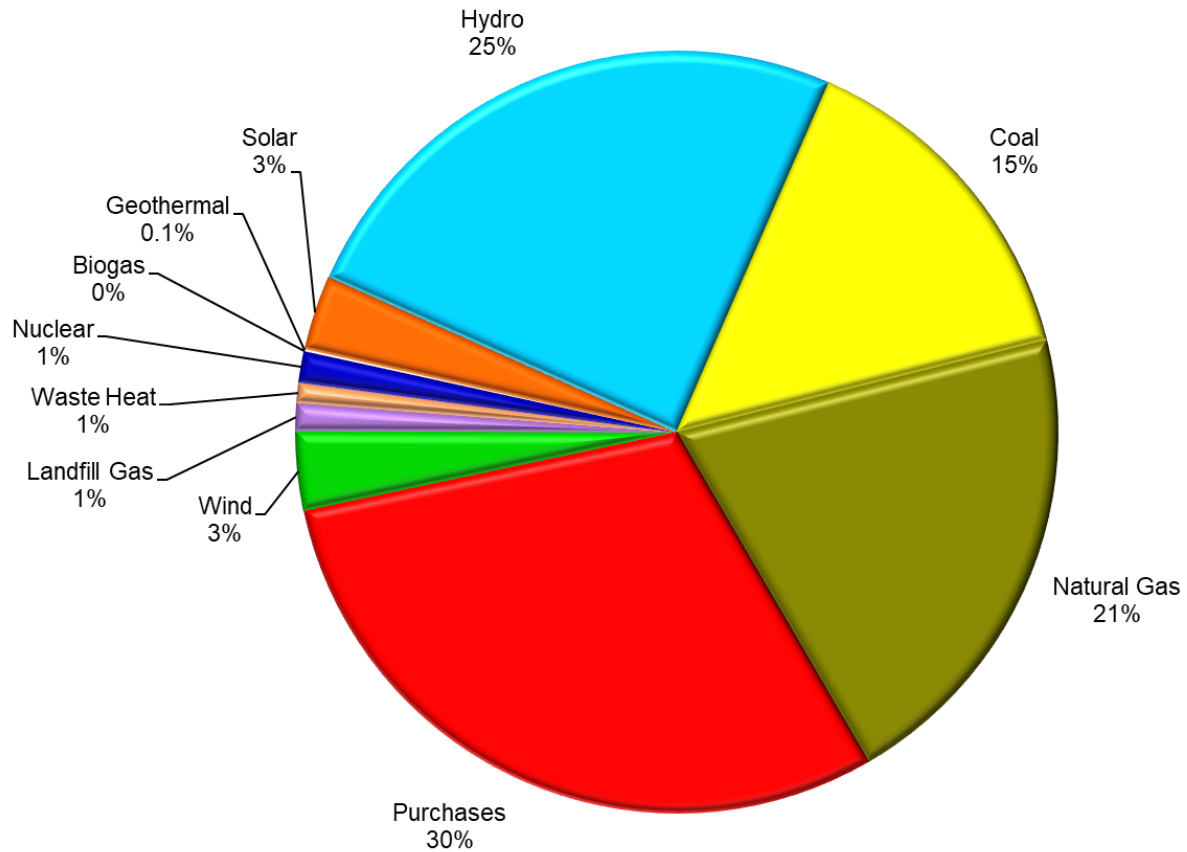


UAMPS Overview

- 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 IA and Steel IB (2024)** – solar
- **Sunnyside** – waste coal

Carbon Free Power Project – small modular reactors (terminated)

Transmission Projects

Central-St. George Project

Craig-Mona Project

Service Projects

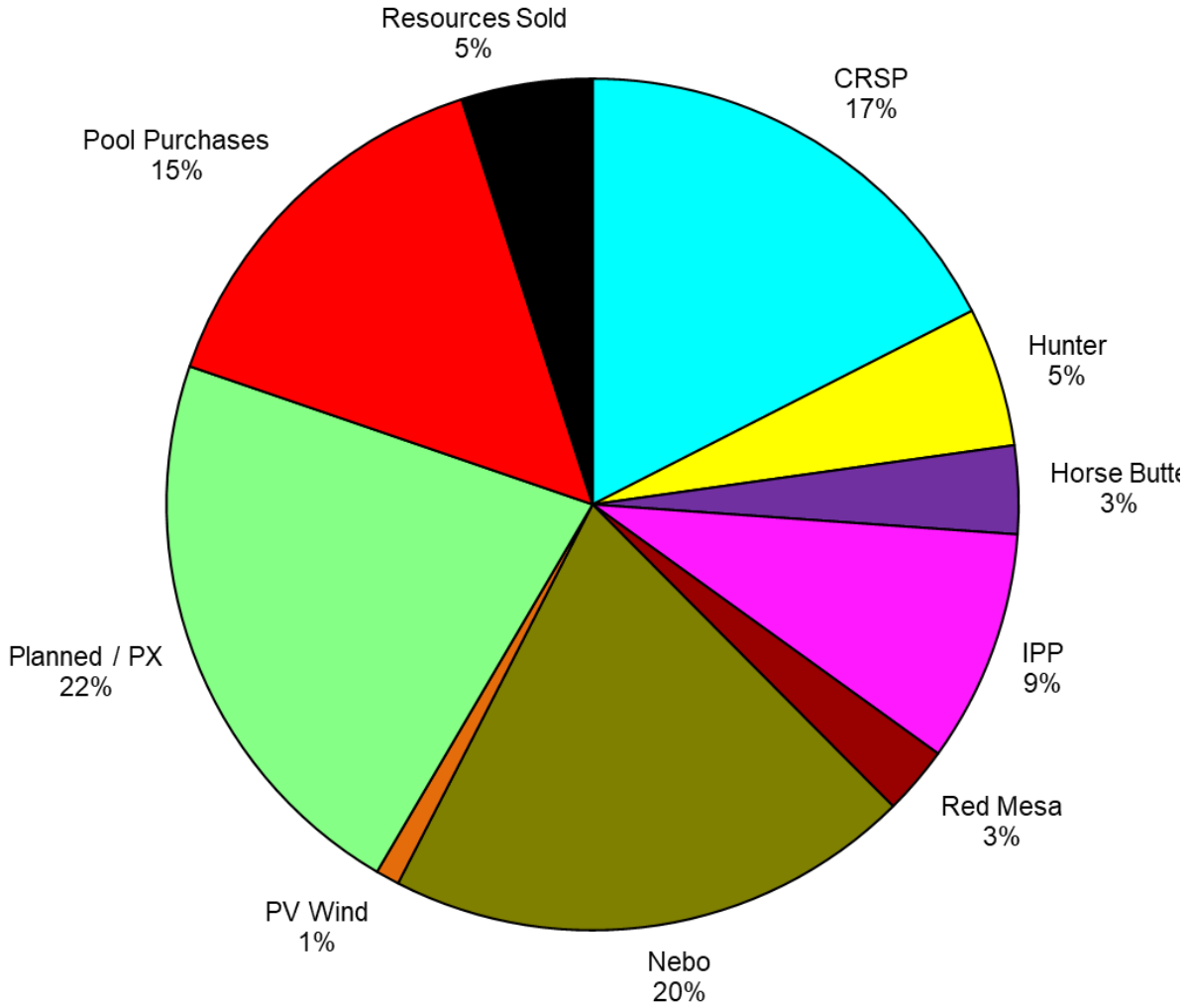
Pool Project – dispatch and scheduling services

Resource Project – investigation of new resources

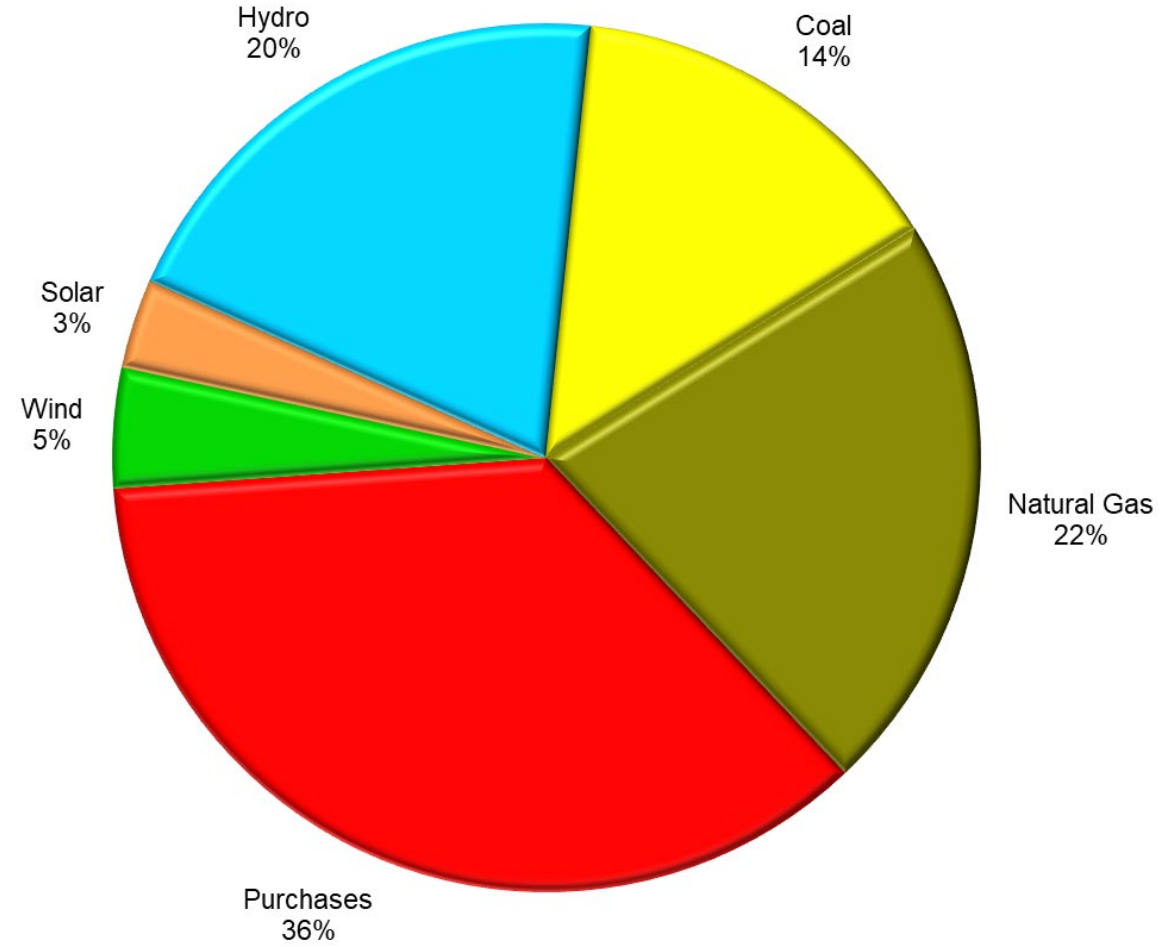
GPA Project

Member Services Project

Ephraim: Resource Usage Breakdown - 2023



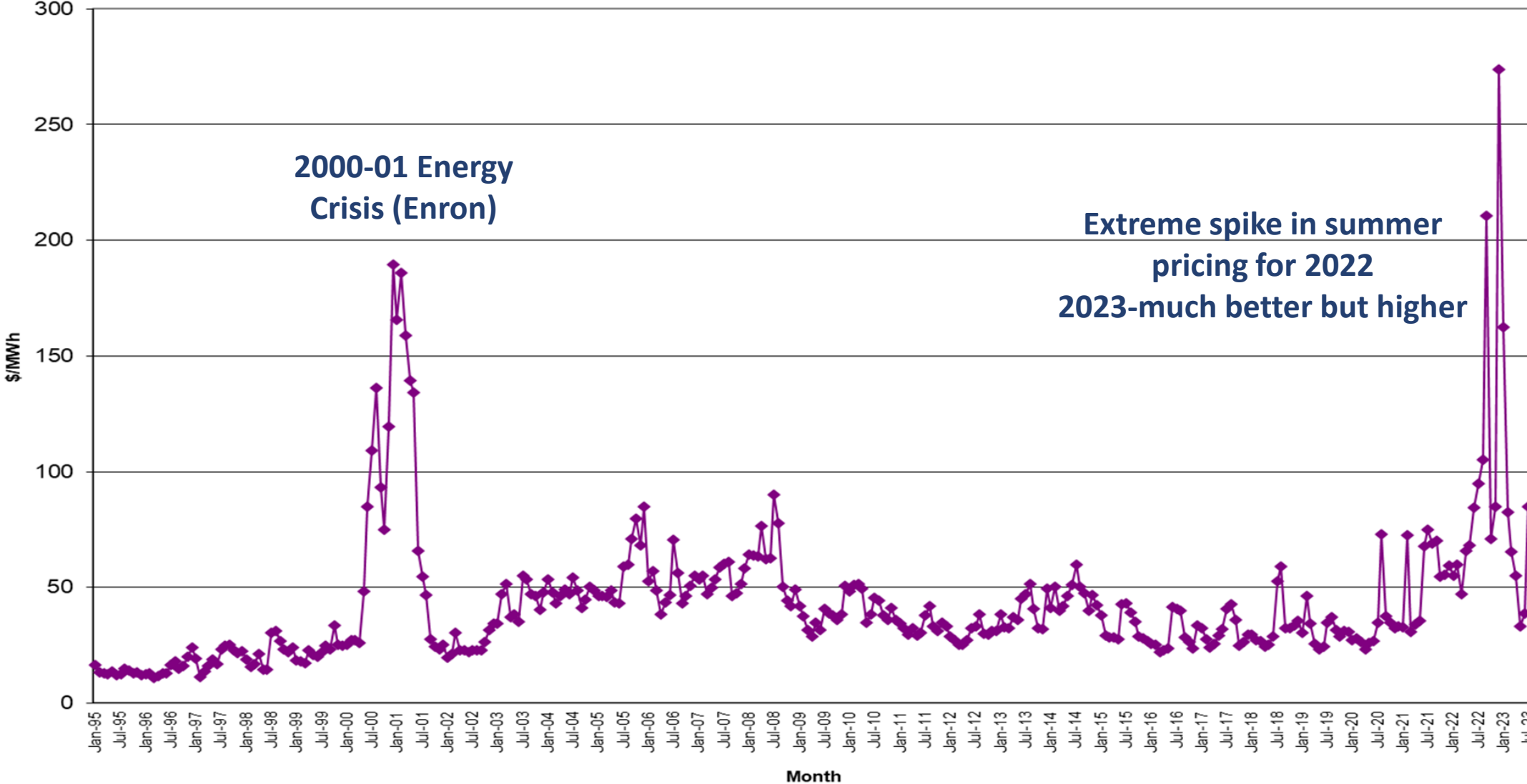
Ephraim Resources by Type: 2023



- Extreme increases in 2022 wholesale pricing
- Financial impact 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



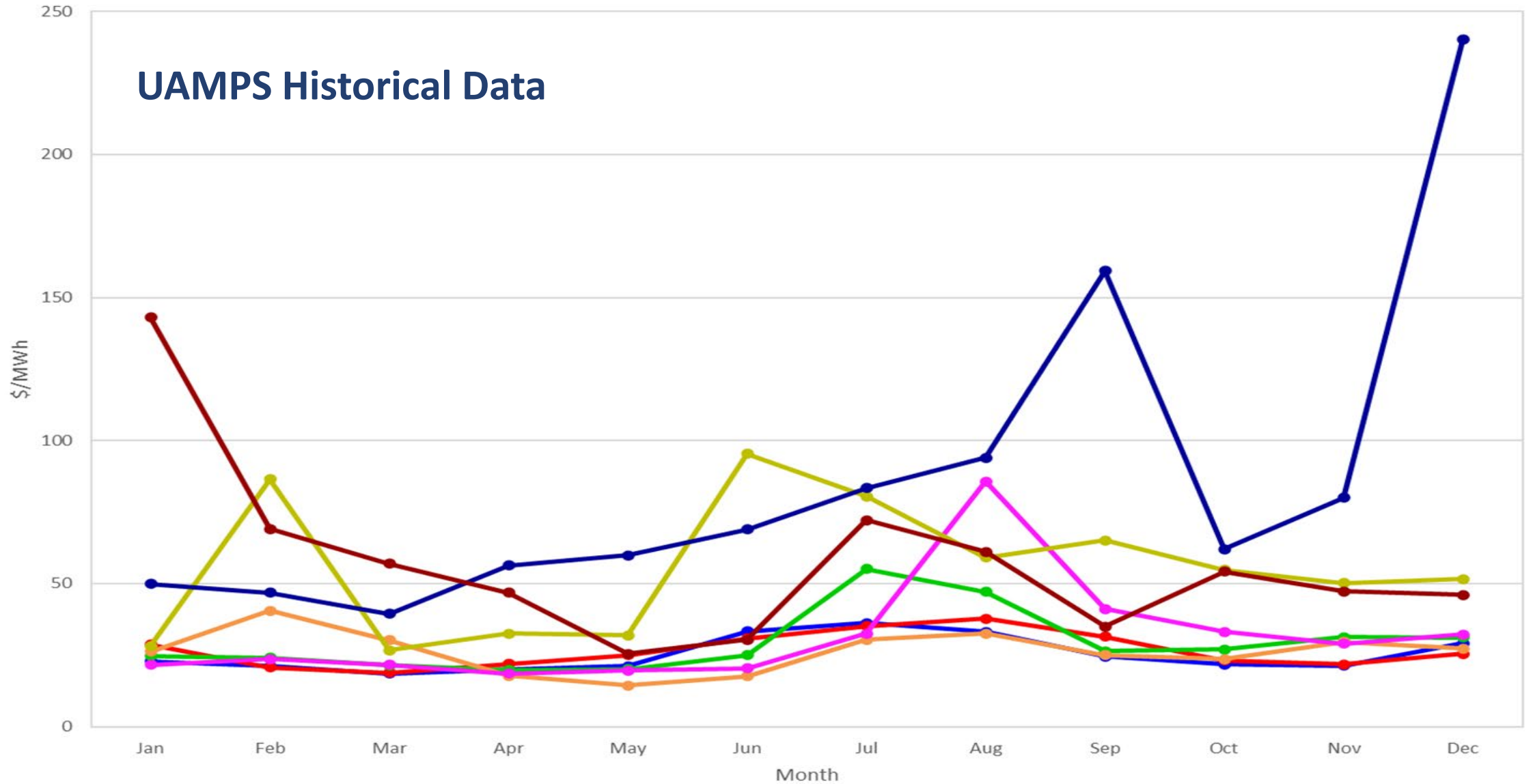
Bad news: Renewables are intermittent and we need dispatchable generation to ensure a reliable electric system



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

UAMPS Unplanned Pool Price - Monthly Average

UAMPS Historical Data



● 2016 Average ● 2017 Average ● 2018 Average ● 2019 Average ● 2020 Average ● 2021 Average ● 2022 Average ● 2023 Average

Implementation of New Tools



FY23 Dashboard



All-requirements Pool Project Option



Financial Health Checks

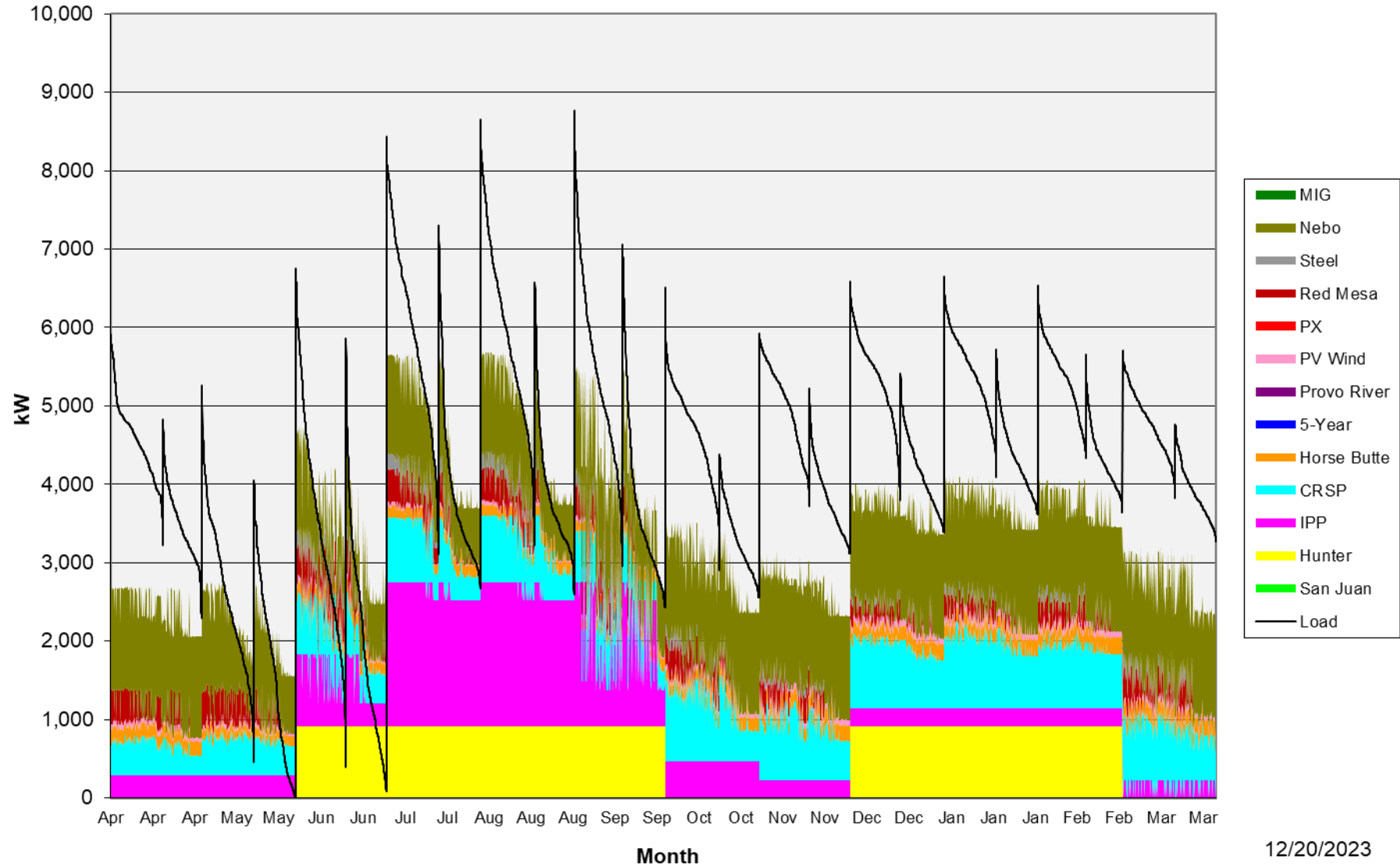
QUESTIONS

Ephraim

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	5,904	2,952,797	4,101	2,402	1,699	2,024	1,254
May-24	5,260	1,606,845	2,160	2,140	19	301	-338
Jun-24	6,756	2,038,686	2,832	3,448	-616	-322	-984
Jul-24	8,432	3,753,010	5,044	4,744	300	745	-263
Aug-24	8,647	3,774,947	5,074	4,777	297	717	-285
Sep-24	8,771	3,356,485	4,662	4,078	584	1,072	26
Oct-24	6,508	3,072,713	4,130	2,917	1,213	1,597	681
Nov-24	5,924	3,238,730	4,498	2,679	1,820	2,231	1,306
Dec-24	6,583	3,591,799	4,828	3,645	1,183	1,629	663
Jan-25	6,650	3,706,791	4,982	3,735	1,247	1,604	795
Feb-25	6,538	3,324,260	4,947	3,700	1,247	1,600	776
Mar-25	5,712	3,283,602	4,413	2,705	1,709	1,932	1,425
Year	8,771	37,700,665	4,304	3,415	889	1,260	416

Ephraim Forecasted Load and Resources, April 2024 - March 2025



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

