

Energy Resources Department Electric Power Supplies

City Council Study Session - 10/17/2024

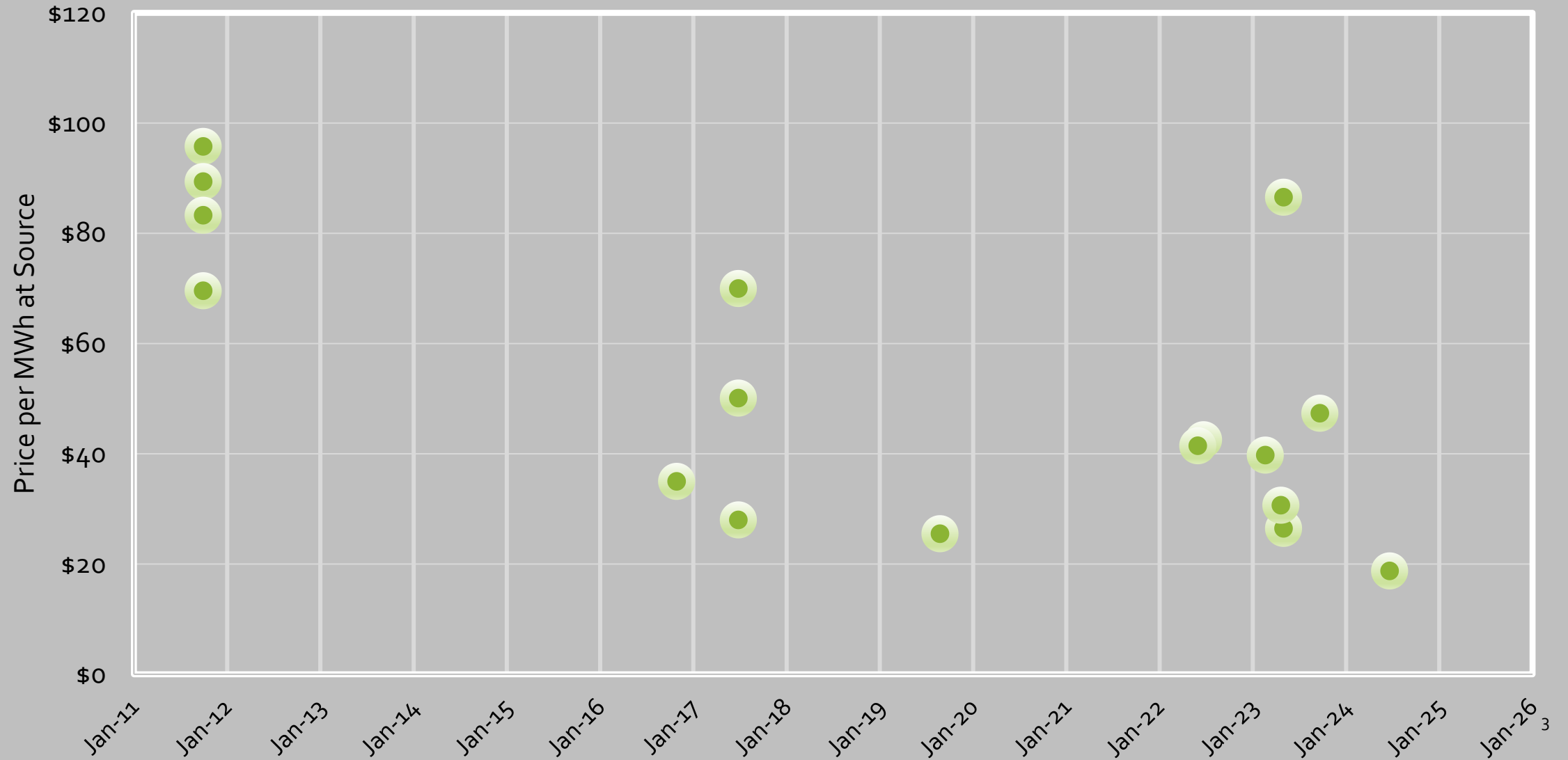
Anthony Cadorin, Energy Resources Program Manager

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Pinal Solar Project - AEPCO

City Council Study Session - 10/17/2024

Renewable Energy Offers to Mesa by Offer Date





Mesa's Renewable Energy Challenge

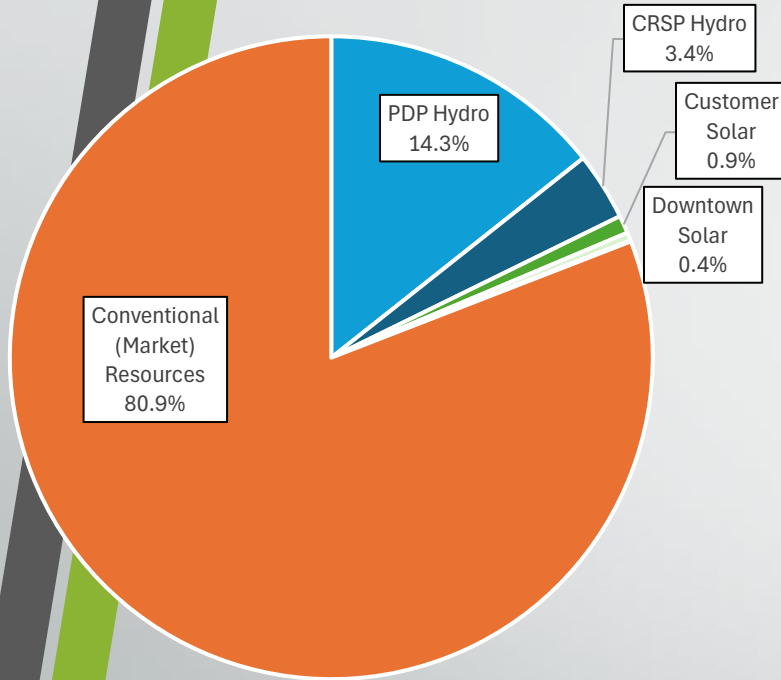
- Economies of Scale
- Deliverability
- Long Development Time

Arizona Electric Power Cooperative Pinal Solar



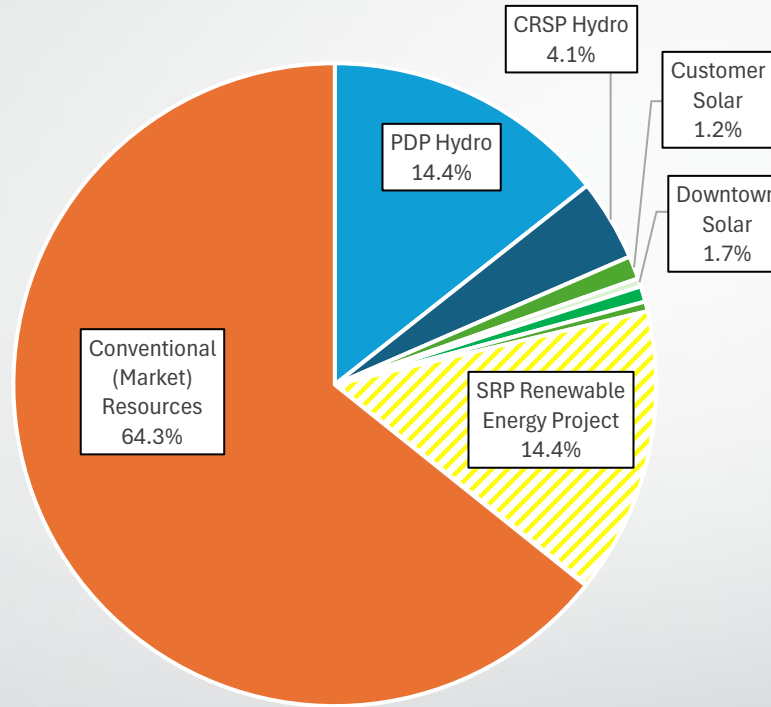
- 400+ MW Project in Pinal County, AZ
 - Mesa: 25 MW solar / 20 MW storage
 - ~21% of Mesa's annual energy requirements
- Commercial Operation: June 1, 2026
- Empowering Rural America (New ERA) program
 - Successful funding announced 9/12
- 100% site control achieved
- Transmission study in discussion

PAST
FY23/24



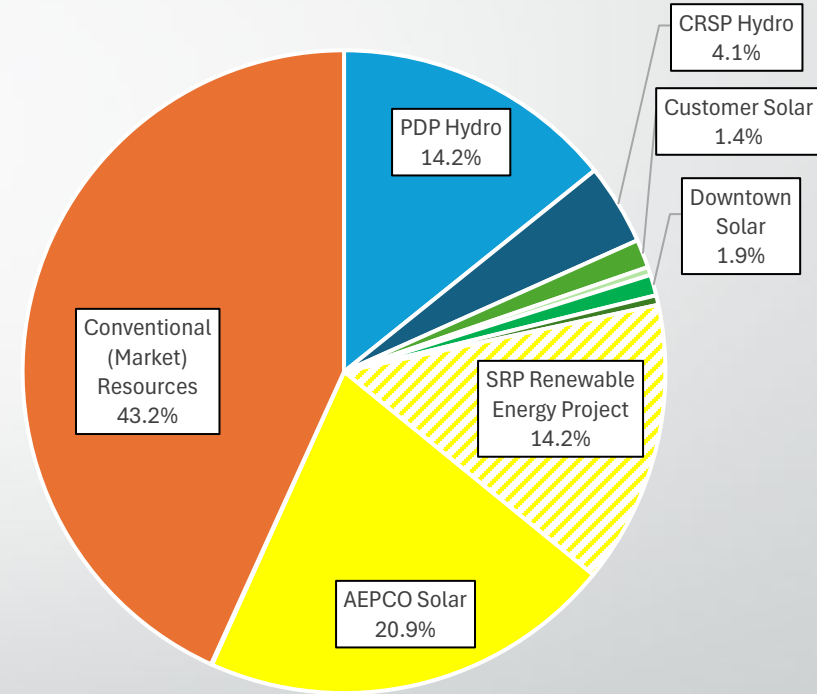
19.1% Renewable

PRESENT
CY25



35.7% Renewable

FUTURE
FY26/27



56.8% Renewable

Arizona Electric Power Cooperative Pinal Solar



- Seeking authorization to negotiate agreements
- Next Steps:
 - Determine viability of Transmission Upgrades
 - Negotiate and Execute Subscription Agreements
 - Fund development
 - Negotiate and Execute Power Purchase Agreements

Electric Power Supply Contracts

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Electric Power Supply Contracts - RFP

- RFP went out September 9, 2024
- Requested various electric power products for 2 years, 3 years, 5 years, and open-ended terms
 - Base Supply (7 x 24) – 15 MW
 - Summer Peak (6 x 16) – 15 or 25 MW
 - July/August Peak (7 x 16) – 10 MW
- Received 5 RFP responses on October 10, 2024
- New contracts will replace expiring contracts
 - Summer Peak (6 x 16) – 25 MW – Expired September 2024
 - Base Supply (7 x 24) – 15 MW – Expires April 2025
- Seeking authorization to negotiate agreements

Electric Supply Contracts:

	Historic	2021 to Current	Moving Forward
Base Supply	15 MW and Ranging from 0 – 10 MW	15 MW (expires 4/25) and 10 MW	15 MW and 10 MW (expires 12/25)
Summer Peak	15 MW	25 MW (expired 9/24)	15 MW
July / August	10 MW		10 MW
On-Call Day-Ahead	10 MW		

Indicative Pricing Received:

1. Summer Peak Supply (6 x 16, June - Sept), Starts 6/1/25

- Received Pricing from 4 bidders
- Replaces 25 MW Summer Peak Supply that expired 9/30/24

2. Base Supply (7 x 24, all year) – Starts 5/1/25

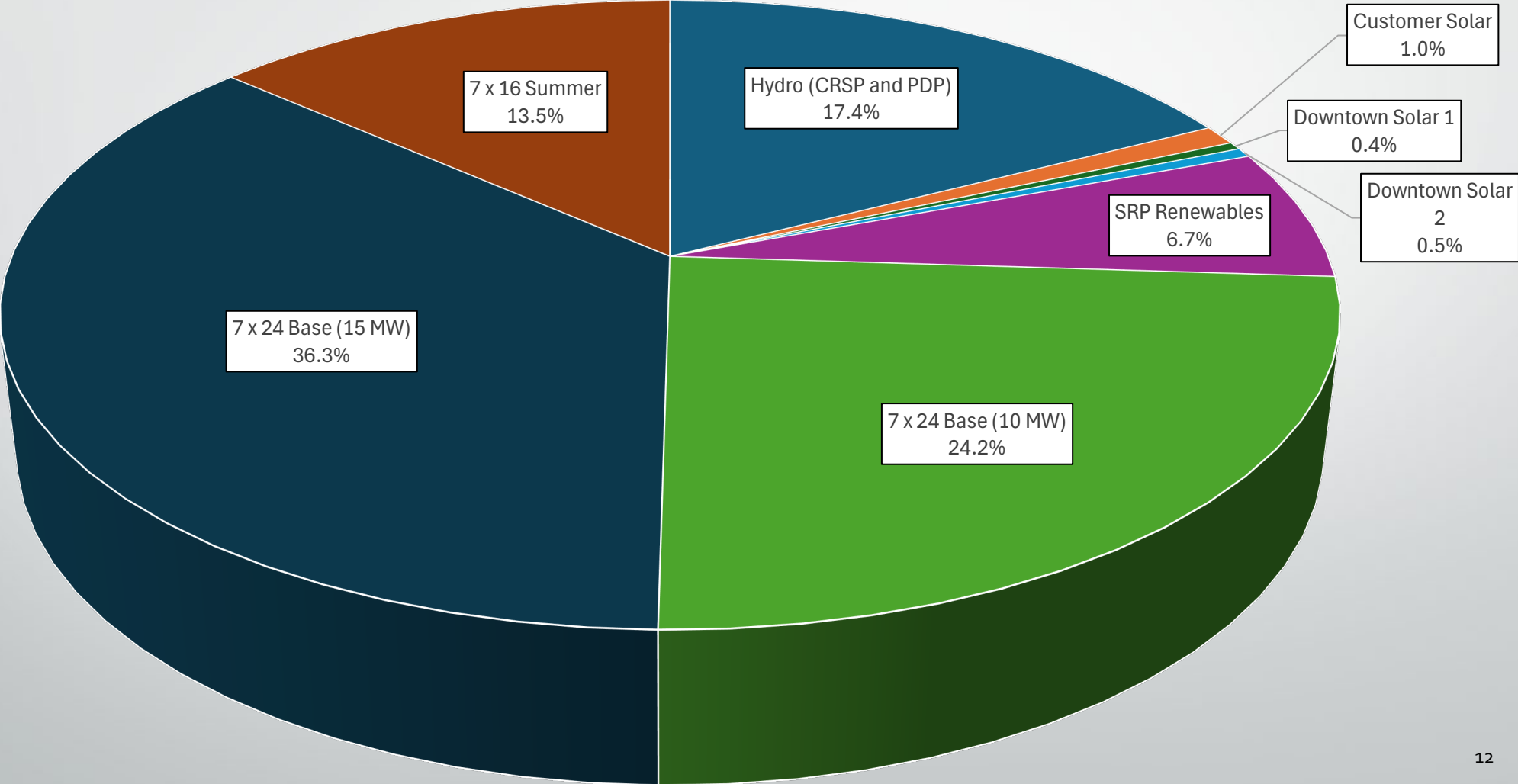
- Received Pricing from 5 bidders
- Replaces 15 MW Base Supply that expires 4/30/25

3. July / August Peak(7 x 16) – Starts 7/1/25

- Received Pricing from 4 bidders
- No current contract, but had similar contract prior to 2021, risk diversification

***Based on lowest indicative pricing received,
we expect to see significant savings on budgeted projections.***

Electric Supply FY 24/25



Questions or Comments?

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AZGT Member Cooperatives' Service Territories



Mesa Electric Power Sources

PDP Hydro (MWh) CRSP Hydro (MWh) Customer Solar (MWh) Downtown Solar 1 (MWh) Downtown Solar 2 (MWh)
MAC Solar (MWh) SRP Renewables (MWh) AEPCO Solar (MWh) RESR (MWh) Other - RMS (MWh)

