

# Energy Resources Department Electric Power Supplies

City Council Study Session - 10/17/2024

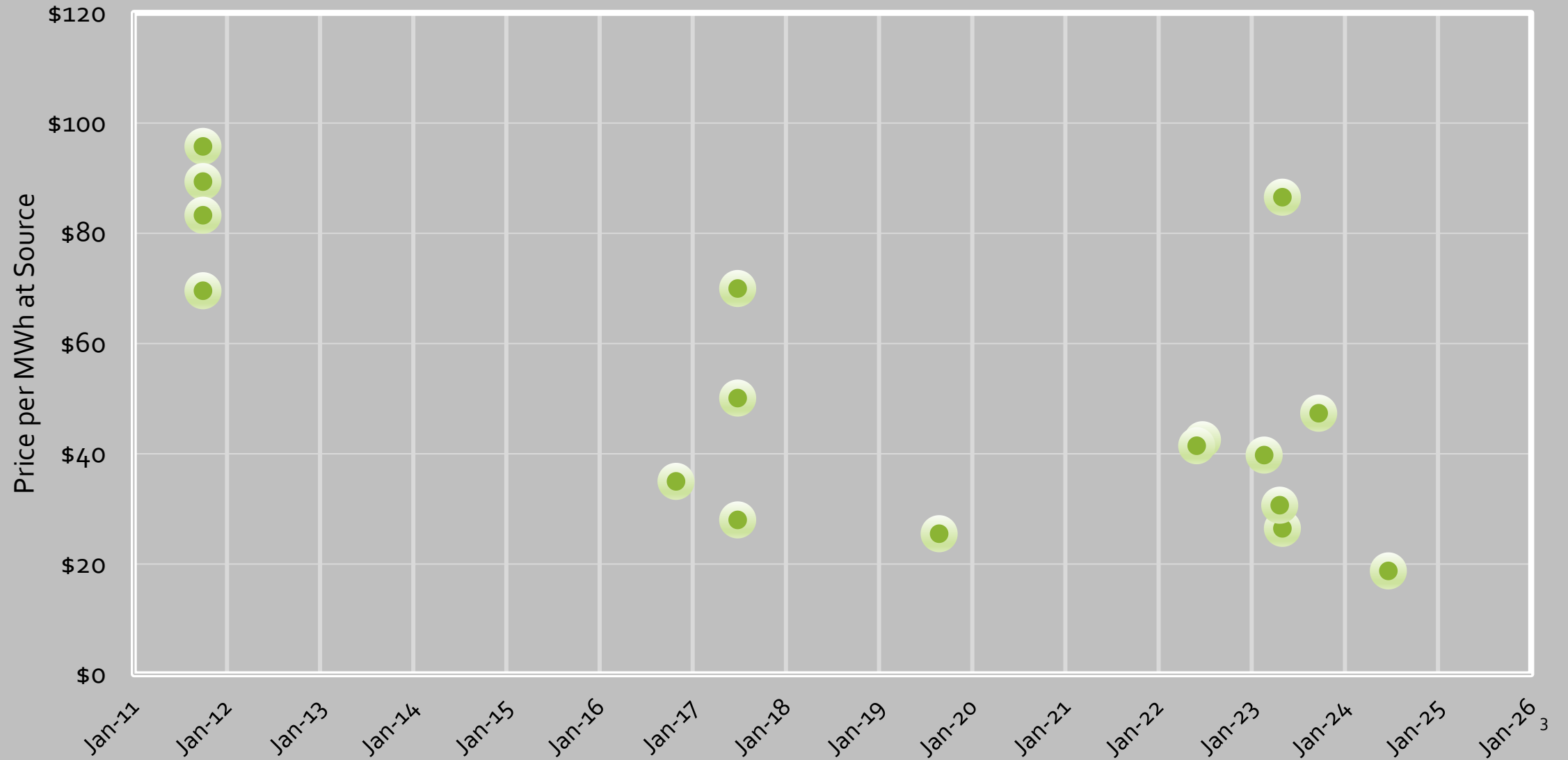
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# Pinal Solar Project - AEPCO

City Council Study Session - 10/17/2024

# Renewable Energy Offers to Mesa by Offer Date





# Mesa's Renewable Energy Challenge

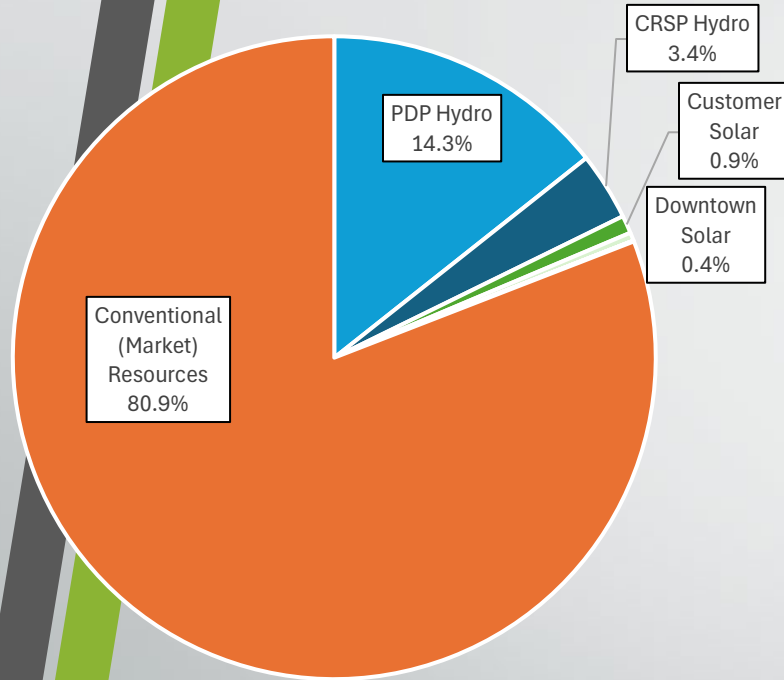
- Economies of Scale
- Deliverability
- Long Development Time

# Arizona Electric Power Cooperative Pinal Solar



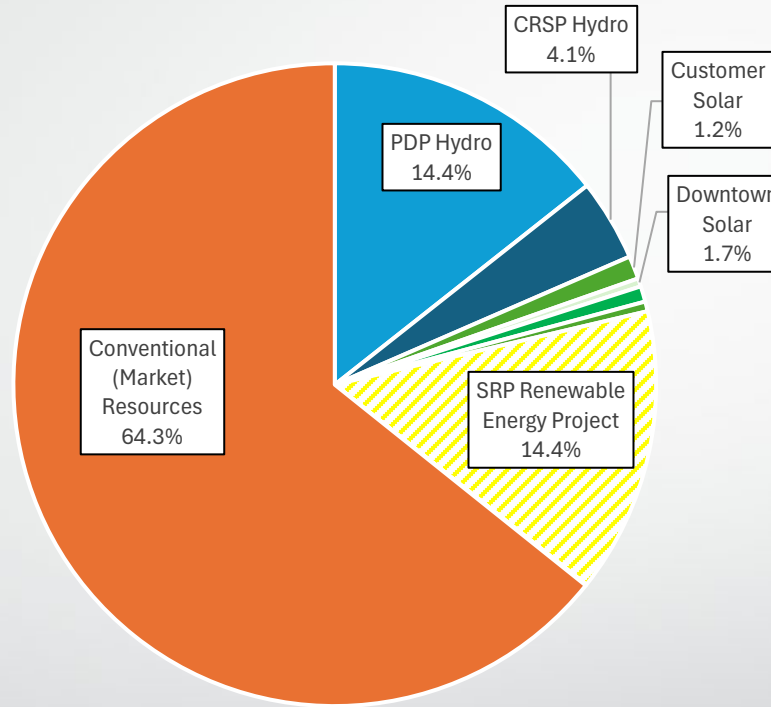
- 400+ MW Project in Pinal County, AZ
  - Mesa: 25 MW solar / 20 MW storage
  - ~21% of Mesa's annual energy requirements
- Commercial Operation: June 1, 2026
- Empowering Rural America (New ERA) program
  - Successful funding announced 9/12
- 100% site control achieved
- Transmission study in discussion

**PAST**  
FY23/24



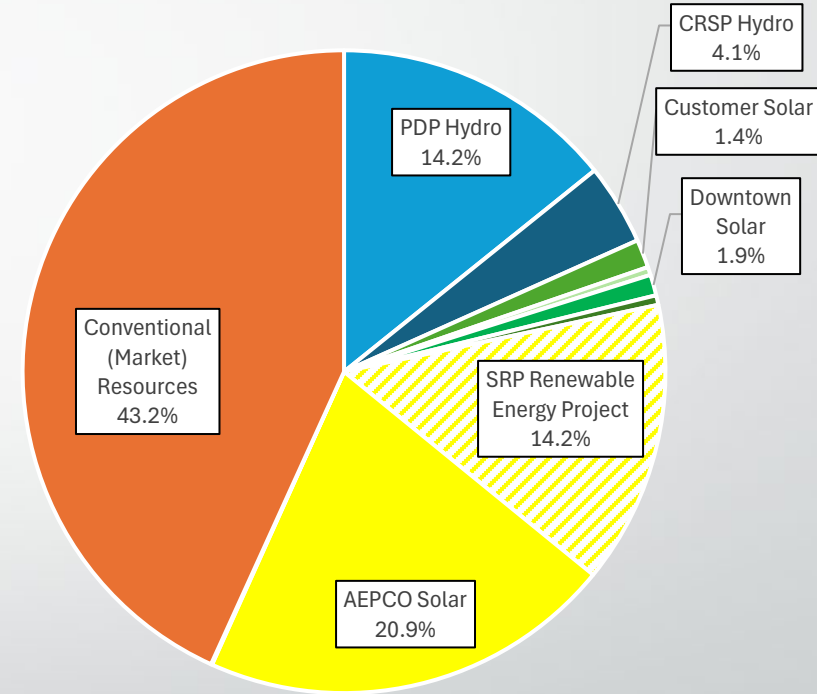
**19.1% Renewable**

**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

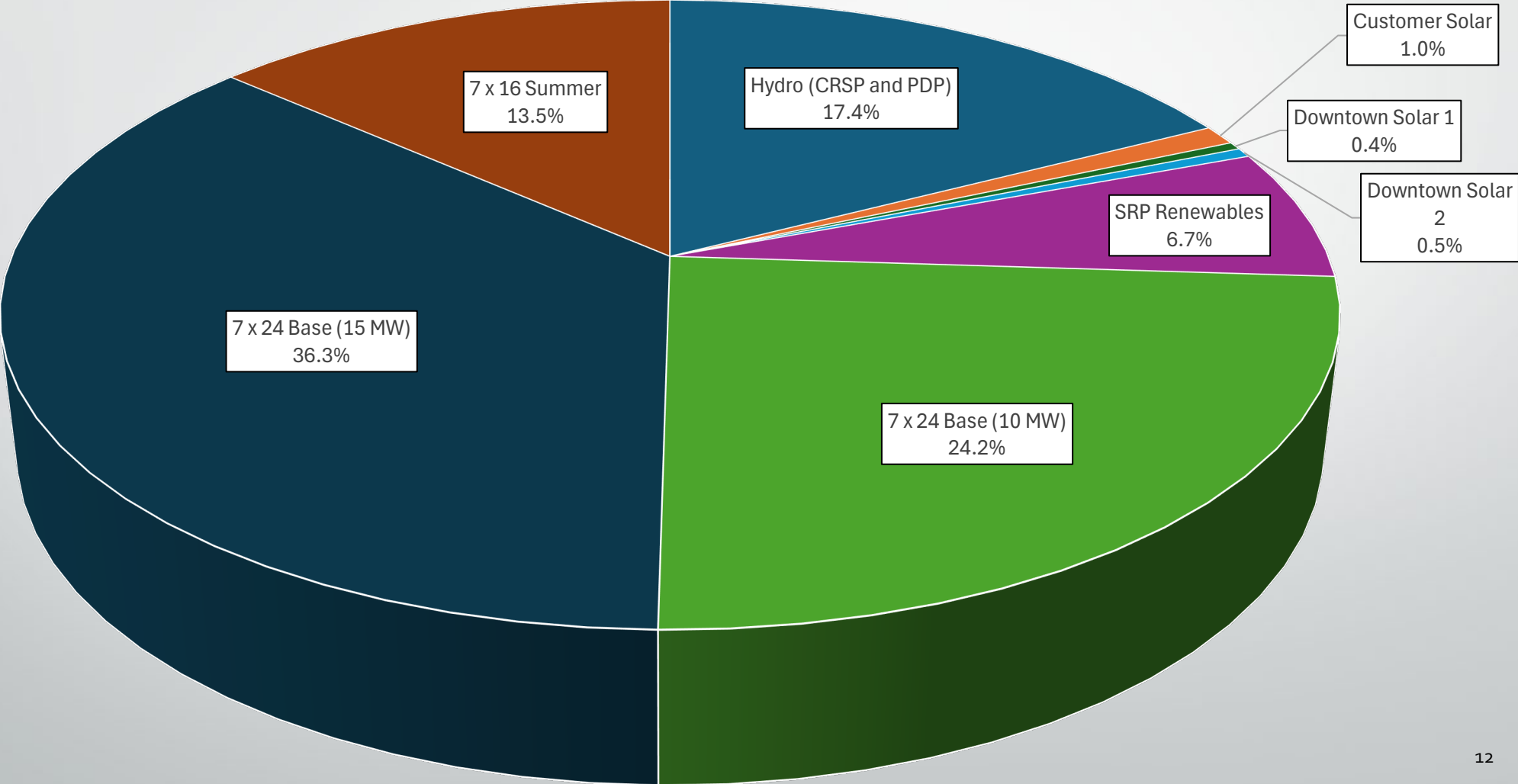
- Received Pricing from 5 bidders
- Replaces 15 MW Base Supply that expires 4/30/25

## 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)

