



Energy Resources Department

Power Purchase and Storage Agreement

City Council Study Session – 3/5/26

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Arizona
Electric
Power
Cooperative
(AEPCO)

Pinal Solar Project

- 25 MW Solar Power
- 20 MW Battery Energy Storage System (BESS)
- 20-year agreement (estimated start date in 2027)
- Located where Mesa can easily transmit power to Mesa's ESA
- Mesa is one of ten (10) participants.
- Total project is 400 MW Power and BESS



Mesa Electric Customers

(feedback sourced through a survey)

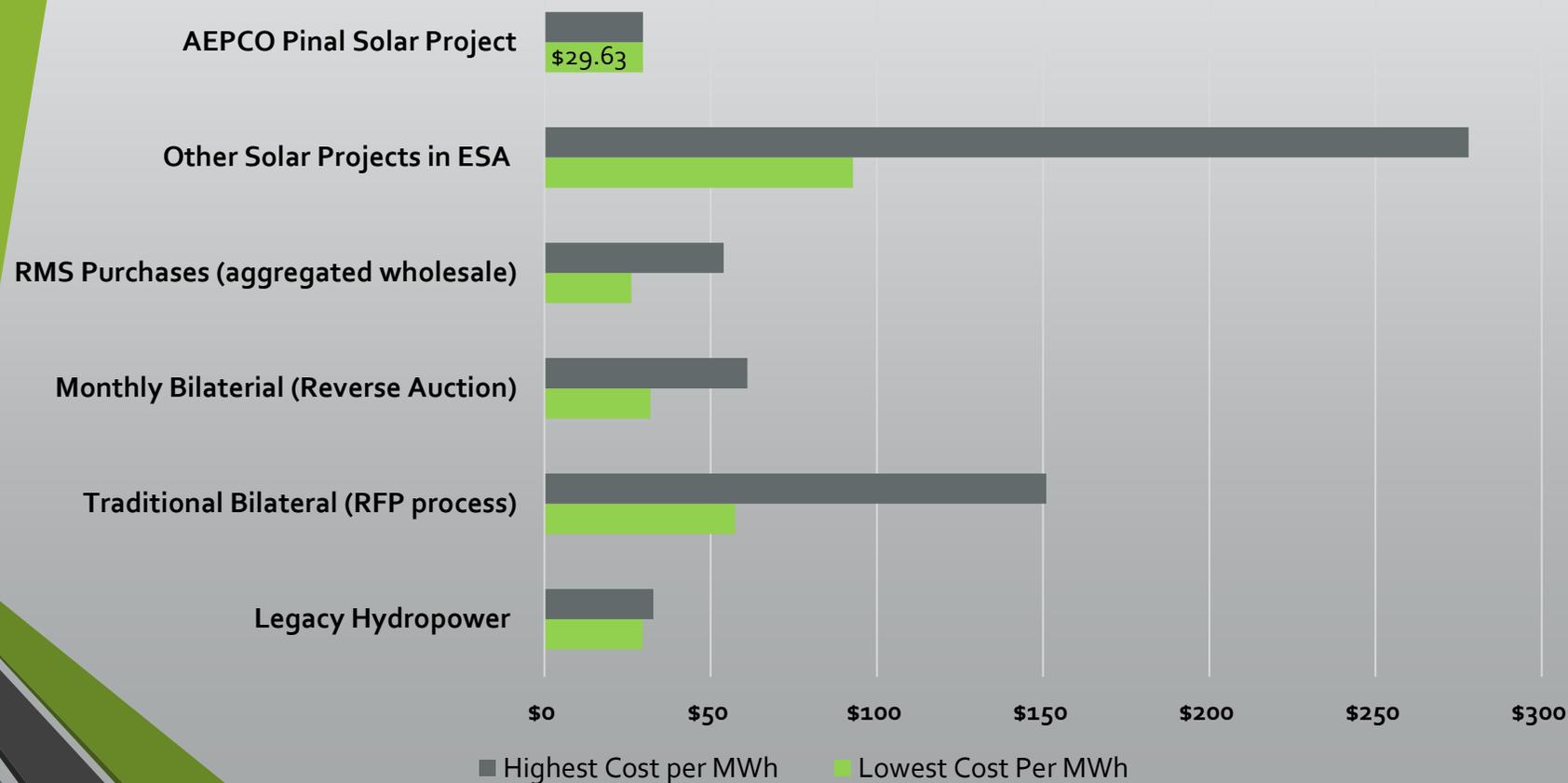
Most important criteria for resource choices:

- Cost Impact
- Reliability
- Sustainability

Cost Impact of Pinal Solar

(One of the lowest priced resources)

Current Power Contracts by Price (per MWh)





Reliability of Pinal Solar

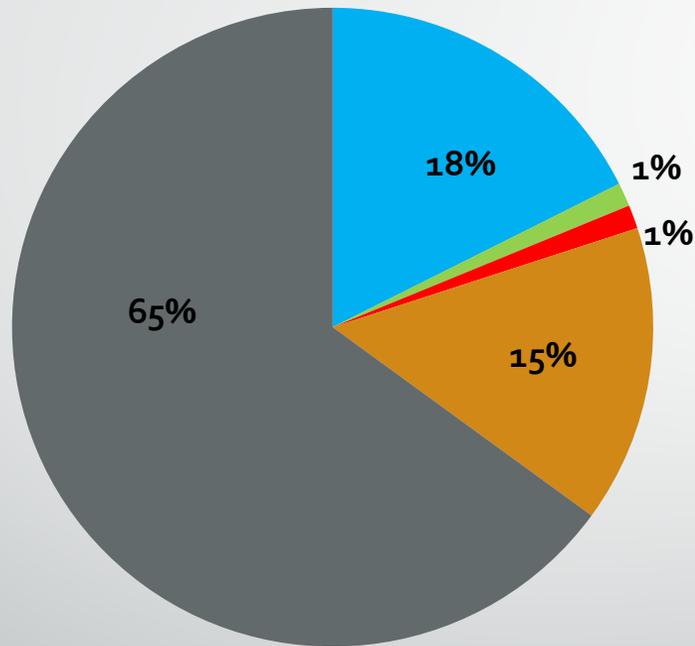
- Long-term power = security
- Contributes to diversified portfolio
- Consistent pricing
- Battery storage
 - Flexible
 - Dispatchable
 - Increase grid reliability

Sustainability of Pinal Solar

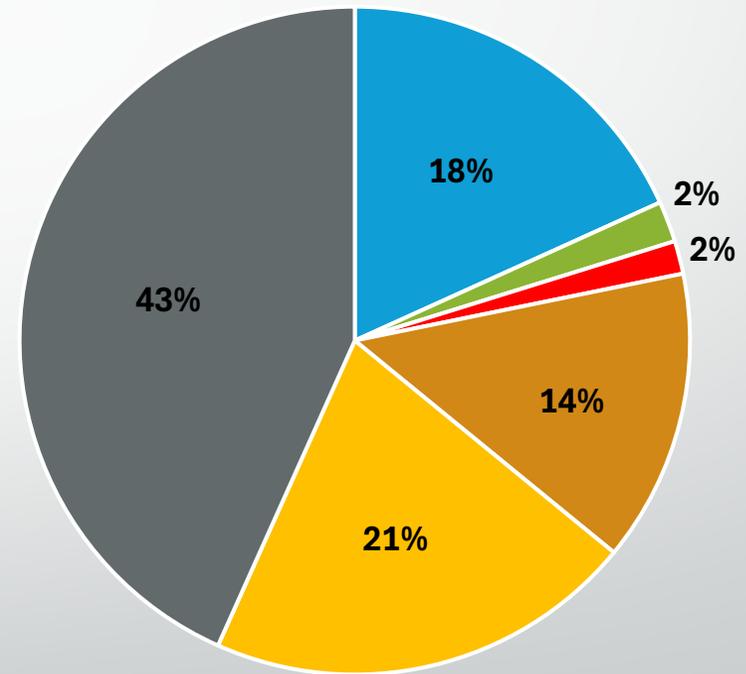
(Pinal Solar increases renewable power from 35% to 57%)

Percentage Renewable / Traditional Power

Fiscal Year 25-26



Fiscal Year 28-29

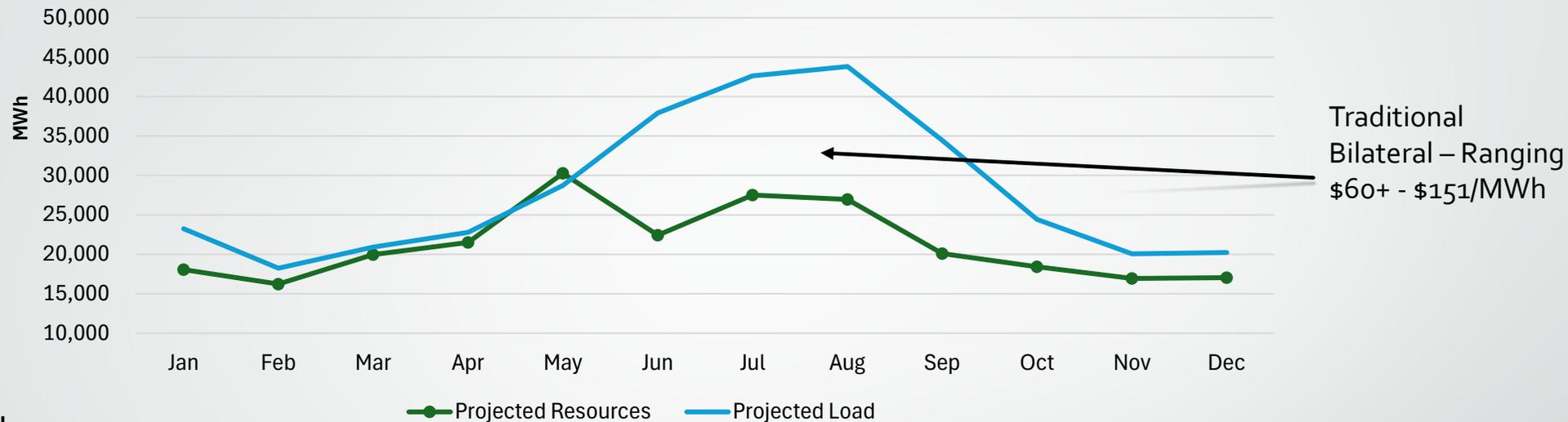


- Hydropower (up to 15 MW)
- Customer Solar (2.2 MW)
- Utility Scale Solar (25 MW)

- City Solar (3.7 MW)
- SRP Renewables (16 MW)
- Traditional Power (mixed fuels, various MW)

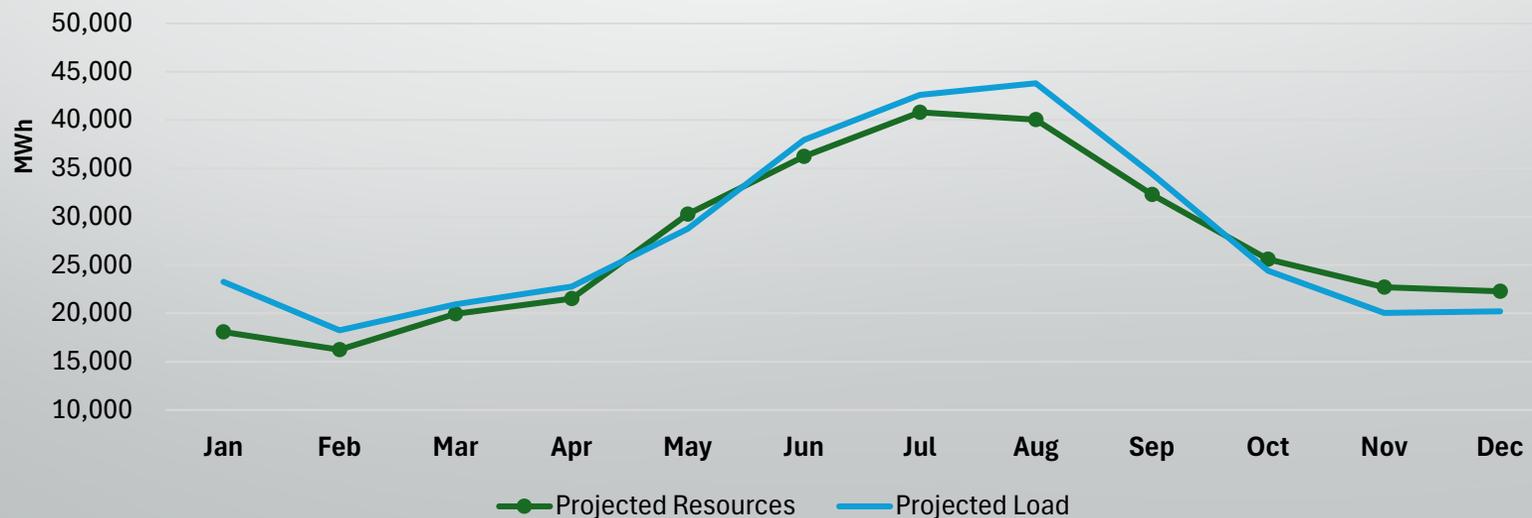
Mesa Future Load Shape

Projected Load & Resources Without Pinal Solar or BESS



Graphs represent 2027, with Pinal Solar starting in June 2027

Projected Load & Resources With Pinal Solar and BESS



Questions or Comments?

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Mesa Electric Service Area (ESA) and Council District Boundaries

