

Electrical District No. 5, Pinal County

Arizona Power Authority Presentation
on 2017 Allocation of Hoover Power

Dennis Delaney – Consultant to ED5



Introduction to ED5P

- Formed in 1946
- ~96,500 Acres

Board of Directors

- Vincent LaPaglia, Chairman
- Dave Stevenson, Vice-Chairman
- William Woehlecke, Secretary/Treasurer
- Don England Jr.
- Daniel F. Shedd

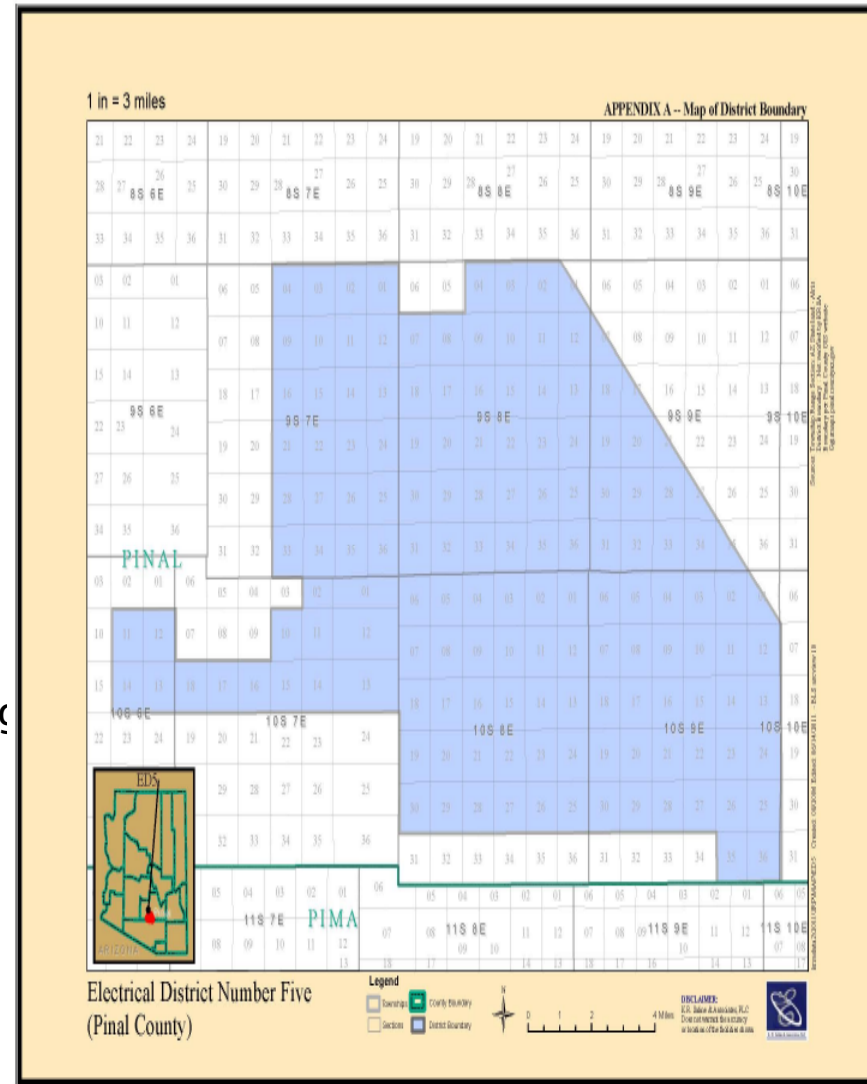
Customer Profile Information

- 358 Services
 - Agriculture Loads ~ 96.5%
 - Irrigation Pumping ~ 82.4%
 - Other Ag-Related ~ 14.1%
 - All Other loads ~ 3.5%

2012 Peak Demand = 15 MW

▶ Overlaps Central Arizona Irrigation & Drainage District who receives ~ 111,100 Af/year of CAP water declining to zero in 2030.

- Will add ~ 9 MW of additional “normalized” pumping load to ED5 and ~ 18 MW of additional “normalized” pumping load to ED4



Introduction to ED5P (Cont.)

• Supply Side Resources

❖ Arizona Power Authority

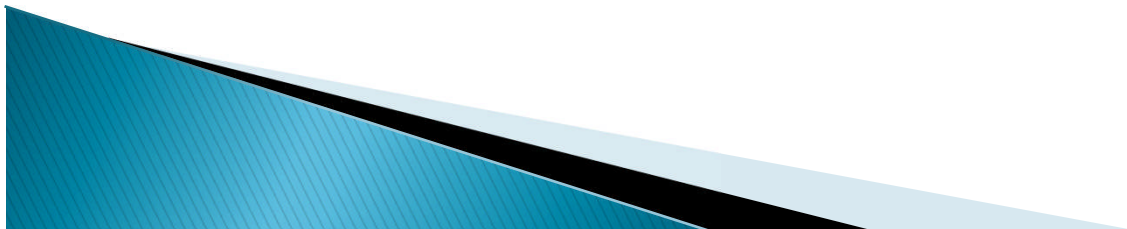
- Hoover A Capacity & Energy
- 14.2 MW (Maximum with Hoover Firming Capacity),
- 48,535 MWh (Contract Entitlement)

❖ CRSP: Salt Lake City Area Integrated Projects

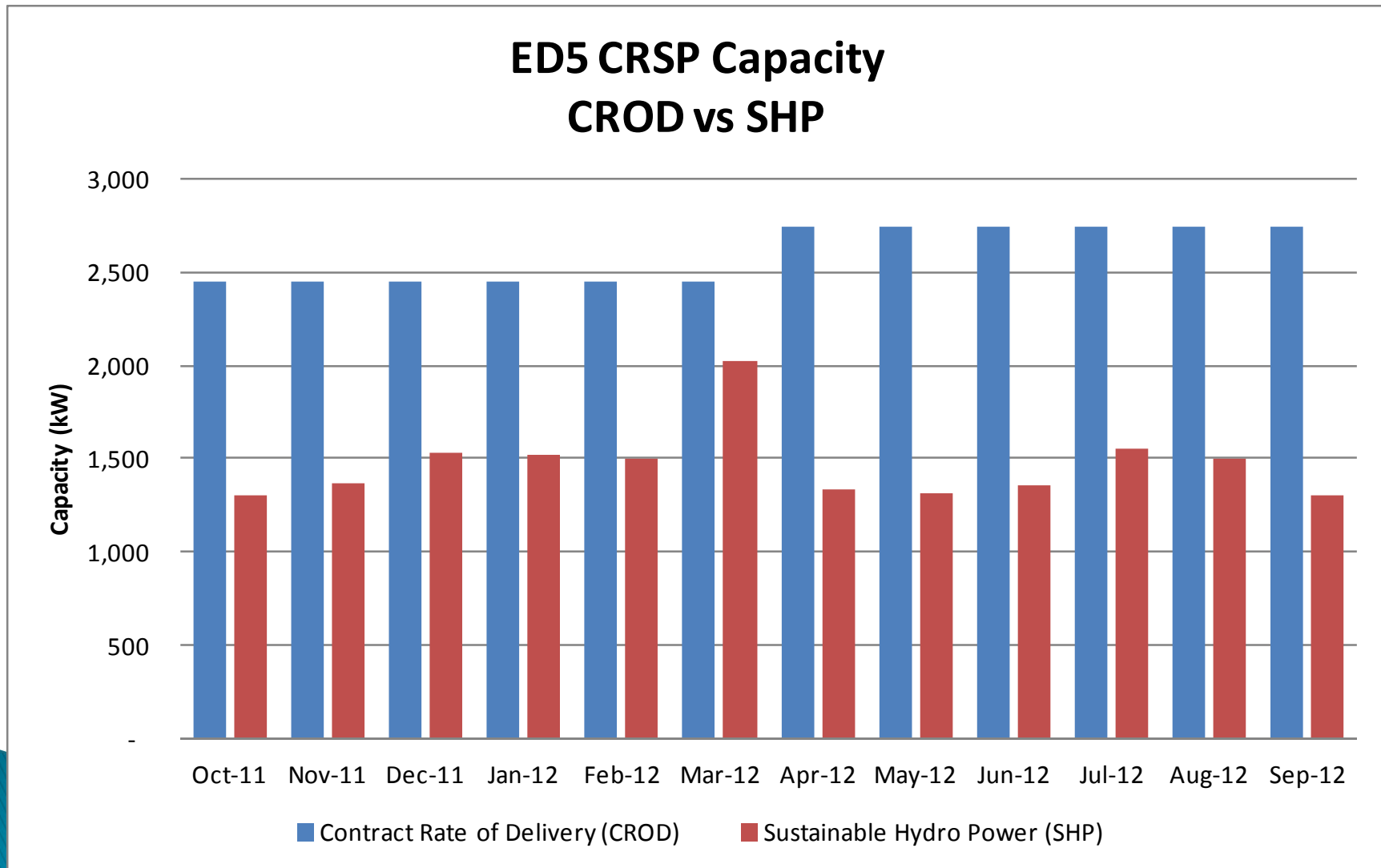
- 2.742 MW (Summer Season) / 2.449 MW (Winter Season)
- 9,479 MWH (Sustainable Hydro Power "SHP")

❖ Transmission Services Provided over Western's Parker-Davis Project

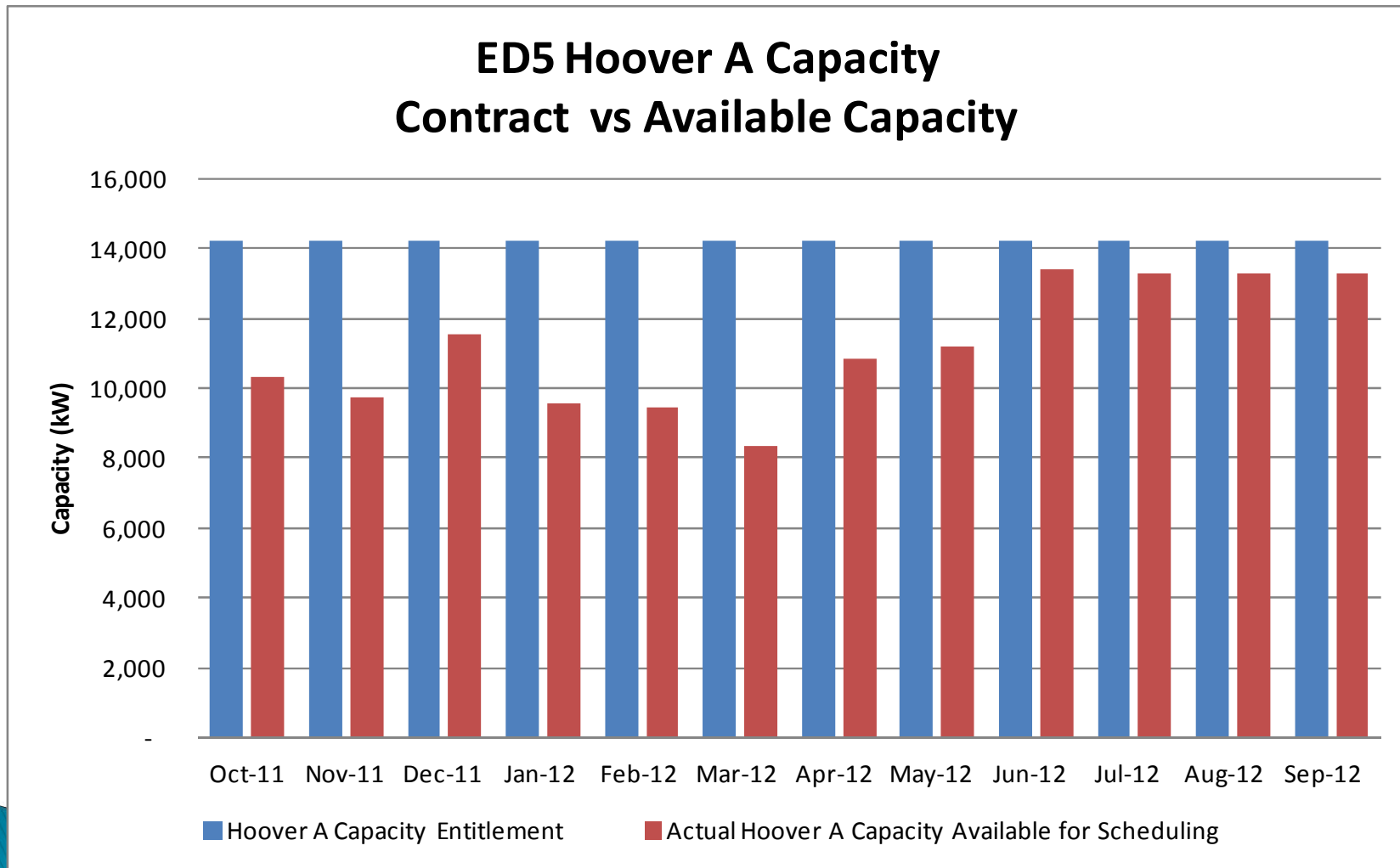
- ❖ 2012 Peak Demand (15MW) less Long Term Federal Hydro Contracts (16.9MW) = NEED ~ No additional Capacity; 2012 Energy requirements is ~ 69,351 MWH = Need 11,337 MWH



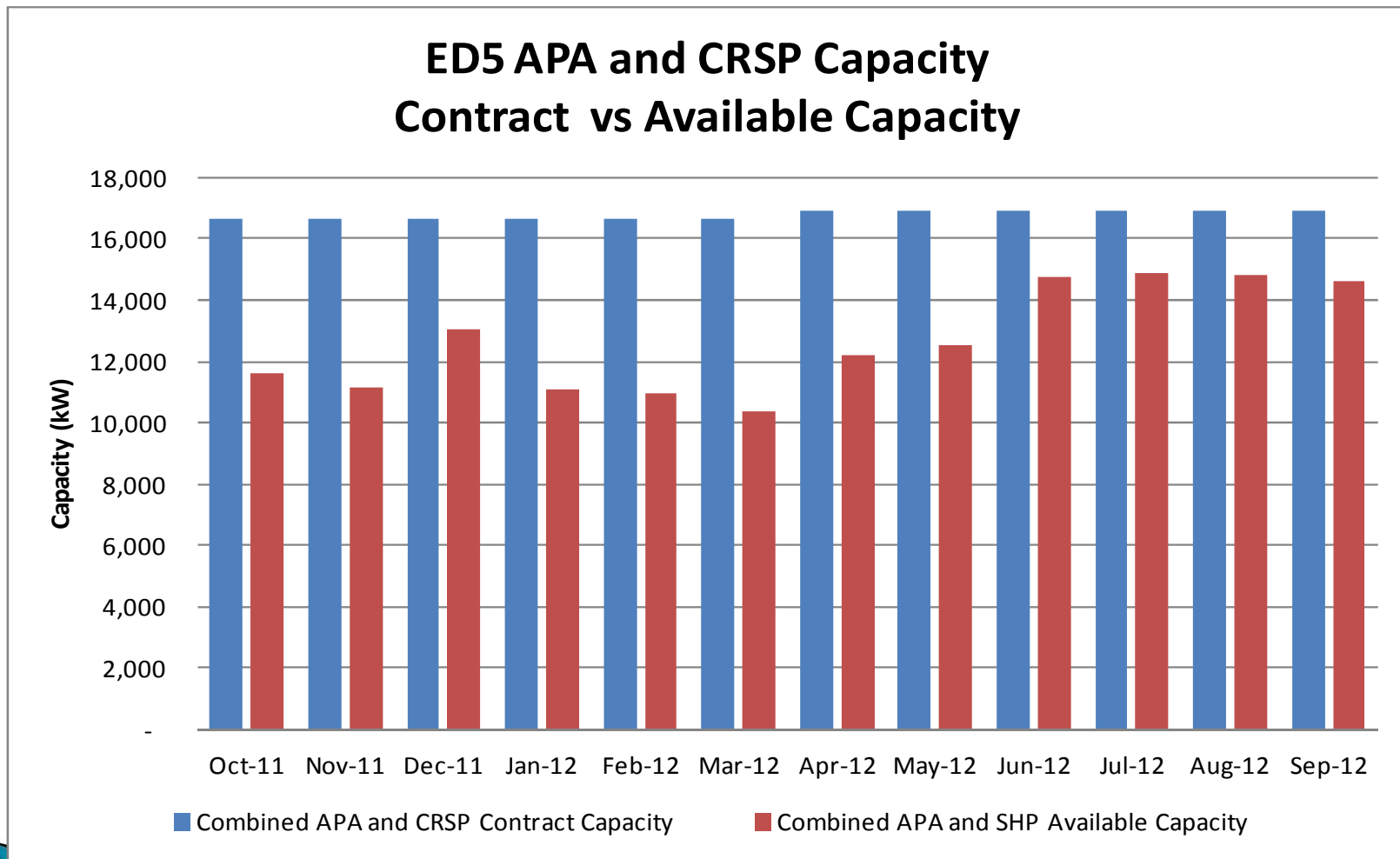
Introduction to ED5P (Cont.)



Introduction to ED5P (Cont.)



Introduction to ED5P (Cont.)



APA Questions

- What resources would you seek?
 - ❖ Renewal of current proportion of all APA Hoover A for 50 years.
- What do you plan to do with the Hoover power allocated to your system?
 - ❖ Continue to serve existing Agriculturally based loads.
- How much Hoover power would you require?
 - ❖ 15 to 24 MW; but will accept current proportionate share of A Power if other current customers are treated accordingly.
- How do you think the Hoover power should be allocated?
 - ❖ Renew all existing customer contracts at current proportions of all Hoover A and B. Allocate all Hoover D among new entrants.

