

# IRRIGATION & ELECTRICAL DISTRICTS ASSOCIATION OF ARIZONA

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## **Intertie Rate Increase Data Request August 14, 2012**

1. Please refer to your August 3, 2012, response to questions not answered at the public information forum. In response to Question 1 Western provided a document titled "Explanation of Purchased Power Costs". The following data requests are related to that document.
  - a. IEDA 08-10-12-001: Please provide 24 months of historical hourly data (preferably OY11 and OY12) used for the basis of the following:
    - i. "Decisions to purchase reserves and energy are made at the macro level (DSW-wide) in order to make sure that loads and resources are properly balanced and reserve requirements are met."
    - ii. "The costs for the both types of purchases are distributed based on the available data to attribute shortages at the micro level (project and service specific)."
    - iii. "When shortages are attributable to the WALC BA, the costs are split among the DSW transmission projects served by the WALC BA."
  - b. IEDA 08-10-12-002: Reserve Capacity section of the "Explanation of Purchased Power Costs"
    - i. Please provide 24 months of hourly data (preferably OY11 and OY12) used for the basis of the following:
      1. The hourly generation values at Davis Dam
      2. The hourly generation values at Parker Dam
      3. The hourly Firm Electrical Service deliveries to entities outside of the WALC BA (firm exports)
      4. The hourly Firm Electrical Service deliveries to entities inside of the WALC BA (Firm Electric Service serving loads).
      5. The hourly firm imports used to serve loads.
      6. The hourly self supplied losses by project (Intertie, Parker-Davis, and CAP transmission projects)
      7. The hourly western supplied losses by project (Intertie, Parker-Davis, and CAP transmission projects). Including the all financial loss settlements.
    - ii. Work papers supporting the following "DSW's regulation reserve requirement is based on historical trends of WALC's regulation response."
    - iii. Work papers supporting the following "DSW has taken actual sub-minute load changes into account to quantify the portion of regulating reserves requirement attributable to load and resources imbalances."

- iv. Work papers supporting the following “Reserve purchase responsibility is therefore split into the following categories for attribution by project with actual percentages calculated based on the most recent historical data:”
- v. Work papers supporting the following “This is based on direct relationship of firm PDP delivers to the calculation of the DSW firm commitment for SRSB.”
- vi. Work papers supporting the following “The percentage of the DSW regulation requirements is first compared to the total DSW reserve requirement and then split between the percentages of the requirement that is caused by the WALC BA load customers and the rest.”
- vii. Work papers supporting the following “....the latter is split amongst the PDP, Intertie and CAP transmission projects.”
- c. IEDA 08-10-12-003: Energy Purchases section of the “Explanation of Purchased Power Costs”
  - i. IEDA 08-10-12-002: Reserve Capacity section of the “Explanation of Purchased Power Costs”
    - 1. The hourly data supporting the purchase of energy “to balance the actual usage for energy (both scheduled and unscheduled) with available hydro power.”
    - 2. The hourly values of “availability of hydro power as set by the Bureau of Reclamation”
    - 3. Work papers supporting the following “...and are split amongst the PDP, Intertie, and CAP transmission projects.”
- d. IEDA 08-10-12-004: Reserve Capacity section of the “Explanation of Purchased Power Costs”
  - i. Work papers identify how Western tracks actual expenses allocated to the specific end uses versus the projected expenses allocated to the specific end uses.
  - ii. Explanation of how Western treats the differences identified in IEDA 08-10-12-004 (i.).