DR Program Review Workshop

February 22, 2017
Agenda

- Overview DR Programs
- Customer and Aggregator Feedback on DRAM in 2016 and 2017
- DRAM Relative to Other DR Programs
Program Overview

- **DRAM 2016**
  - Jun-Dec 2016
  - PDR Only
  - 1 test/dispatch/yr
  - System Resource: Offer into DA Market
  - Program Targets ($6 M)
    - PG&E: 10 MW, 14,000 accounts
    - SCE: 10 MW, 17,000 accounts
    - SDG&E: 2 MW, 7,000 accounts

- **DRAM 2017**
  - PDR/RDRR
  - 1 test/dispatch/yr
  - System/local/flexible
    - DA &/or RT
  - Program Targets ($13.5)
    - PG&E: 52 MW, 40,000 acct
    - SCE: 56 MW, 44,000 acct
    - SDG&E: 6 MW, 30,000 acct

- **AMP**
  - Contracts with PG&E and SCE ended in 2016
  - PG&E discontinued AMP in 2017
  - SCE provided for a one-year extension under existing terms; we did not renew

- **BIP**
  - Subject to a cap
  - IOU vs. 3rd parties
Customer Feedback of DRAM
2016 & 2017

- Loss of dual participation capability
- Moving to economic versus reliability dispatch
  - This is an area that may require additional education and experience
- The Amount of Time Required to Get Customer into the Market
  - Aggregator must submit a supply plan to the IOU 60 days in advance of RA month and must have Resource IDs, which could add 20 days or more
    - CISR Processing:
      - PG&E most are within 48 hours, but within 3-5 days, good feedback
      - SCE about 2 weeks
Customer Feedback of DRAM
2016 & 2017

- The Amount of Time to Get Customers Into the Market (cont.)
  - Resource IDs
    - PG&E bundled customers about 10 business days
    - SCE bundled same
    - Direct Access customers?
    - Some customers, for which delete forms for existing programs were processed, are disputed as ineligible for DRAM in utility review of Resource IDs
Customer Feedback of DRAM

2016 & 2017

- The Amount of Time to Get Customers Into the Market (cont.)
  - CAISO
    - Existing Resource ID processing within 1 business day
    - New Resource IDs added to Master File take 10 calendar days
    - If Master File freezes could take up to 20 days
    - If add or remove a service account, must resubmit meter data for all remaining service accounts
    - Energy payments are non-existent
- Getting payments into customer’s hands more quickly
DRAM vs. Other Programs

- In 2017, without AMP, fewer places to go with DR capacity
  - DRAM was a limited procurement
  - BIP has a cap, which may be fully subscribed or nearing full subscription, changing requirements
  - CBP is dispatched frequently and paid less than other programs
- DRAM CAISO operations are handled primarily by Scheduling Coordinators
- Aggregators handle interface with customers and IOUs for contract obligations and CISR-DRP processing
- As program grows, look forward to Click-Through and more automated processes
- Dispatch of resource based upon market conditions is an improvement
- The penalty/payment structure for DRAM imposes less risk relative to AMP
- The last two aspects of AMP/CBP resulted in loss of DR capacity
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