Sub-zonal dispatch procedure for ‘11/’12 Delivery Year

DRS (Demand Response Subcommittee)
5/27/2011
Sub-zonal dispatch procedure for ‘11/12 DY

- Sub-zonal dispatch by:
  - State/DC by zone combination
  - zone by zip code defined sub zone
  - LDA nested within zone

- CSP must have accurate zip code on location in eLRS – this will be used to determined which registrations are dispatched.

  - Look under subzone definitions

- If new sub zone needs to be defined during the DY, PJM will publish list of zip codes 3 days in advance on a best efforts basis of anticipated need.
  - PJM will provide CSP with list of registrations required to respond upon request.
    - See document posted under agenda item 2d for example report.

- Aggregate registrations (more than one location) must respond with all locations if at least 1 location is in sub-zone

Subzones are only dispatched when necessary – this should be a rare situation
Sub-zonal Dispatch (‘11/’12 procedure)

Any zone or subzone may be called by lead time.
Zones that have sub-zones may be called at zone or sub-zone level.

- Will not dispatch “Rest of” area.

Zones that are not expected to have subzones:

- AECO
- BGE
- COMED
- DAY
- DUQ
- JCPL
- PECO
- RECO
- AEP State AEP_IN
- AEP State AEP_KY
- AEP State AEP_MI
- AEP State AEP_OH
- AEP State AEP_TN
- AEP State AEP_VA
- AEP State AEP_WV
- APS State APS_MD
- APS State APS_PA
- APS State APS_VA
- APS State APS_WV
- ATSI State ATSI_OH
- ATSI State ATSI_PA
- DOM State DOM_NC
- DOM State DOM_VA
- DPL State DPL_DE
- DPL State DPL_MD
- DPL State DPL_VA
- PEPCO State PEPCO_DC
- PEPCO State PEPCO_MD
- APS Zipcode APS_East
- METED Zipcode METED_East
- PENELEC Zipcode PENELEC_East
- PPL Zipcode PPL_East
- DPL LDA DPL_South
- PSEG LDA PSEG_North

Zones that have predefined subzones:

- AEP State
- AEP State
- APS State
- APS State
- ATSI State
- ATSI State
- DOM State
- DOM State
- DPL State
- DPL State
- PEPCO State
- PEPCO State
- APS Zipcode
- METED Zipcode
- PENELEC Zipcode
- PPL Zipcode
- DPL LDA
- PSEG LDA
• Sub-zonal dispatch communication same as zonal dispatch
  – ALL CALL (primary mechanism)
  – eDATA emergency messages
  – eLRS
    • Event message
    • Email (based on user preference)
  – PJM intends to contact CSPs in advance to assess operational capability to help with dispatch process.
• Number of events used to determine event multiplier based on number of events the registration has been dispatched
  – PEPCO DC dispatched twice
  – PEPCO zone dispatched once
  – 33% for PEPCO DC registrations (since they were actually dispatched 3 times) and 50% for non DC PEPCO resources (since they were actually only dispatched once and need to take min of 50% or 1/# events)
• Sub-zonal commitment based on registrations that were dispatched:
  – ILR = nominated capacity of registrations dispatched
  – DR = DR commitment * (nominated value of DR registrations dispatched/Total nominated value of DR registrations in zone).
  – CSP may not use other zonal registrations to substitute sub-zonal registrations that are dispatched.
  – Registrations dispatched based information submitted by CSP for location in eLRS.
    • PJM will use zip codes in eLRS just prior to event to determine exactly which registrations are required to respond.
If registrations not dispatched then still required to perform annual test.

  - For example in 2010:
    - APS (WV, VA and MD) dispatched and therefore not required to Test
    - APS (PA) NOT dispatched and therefore required to Test
      - If test already conducted it is not necessary for CSP to submit the results.

Sub-zonal commitment based on registrations that were NOT dispatched:

  - ILR = nominated capacity of registrations NOT dispatched
  - DR = DR commitment * (nominated value of DR registrations NOT dispatched/Total nominated value of DR registrations in zone).
  - CSP may not use other zonal registrations that were dispatched to substitute registrations that are required to test.
• PJM will make necessary information available to CSPs to fully understand determination of any penalties:
  – Event multipliers
  – Sub-zonal commitment (this is based on simple proration previously described)
  – Determine if feasible to get report included into MSRS