Part 7 – Aggregation Performance Factor

Demand Response Information System (DRIS) Training for September 2011 Deployment

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Tuesday, August 30, 2011 10:00 am – 2:00 pm

Wednsday, September 7, 2011 10:00 am – 2:00 pm

Rensselaer, NY

Training Topics

- Part 1: Introduction to DRIS
  - *DRIS User Requirements*
  - *User Privileges*
  - *Access to DRIS*
  - *Additional Tools*
- Part 2: Updates to Existing DRIS Functionality
- Part 3: Background of SCR Baseline Implementation
- Part 4: Resource ACL
  - *SCR Load Zone Peak Hours*
  - *TO Add-back Hours*
  - *Enrollment with ACL*
  - *Summer 2011 ACL Verification*

- Part 5: Provisional ACL
  - *Enrollment with Provisional ACL*
  - *Provisional ACL Verification*
  - *Provisional ACL Deficiency*
- Part 6: RIP Deficiency
  - *Timeline*
  - *Calculation*
- Part 7: Aggregation PF
  - *Timeline*
  - *MP PF and SCR Program PF*
- Part 8: Deployment
  - *Additional Training Sessions*
  - *Deployment Activities*

Aggregation Performance Factors

- Aggregation Performance Factors

- Timeline of Functionality

- Aggregation Performance Factor Calculation

- View Aggregation Performance Factor
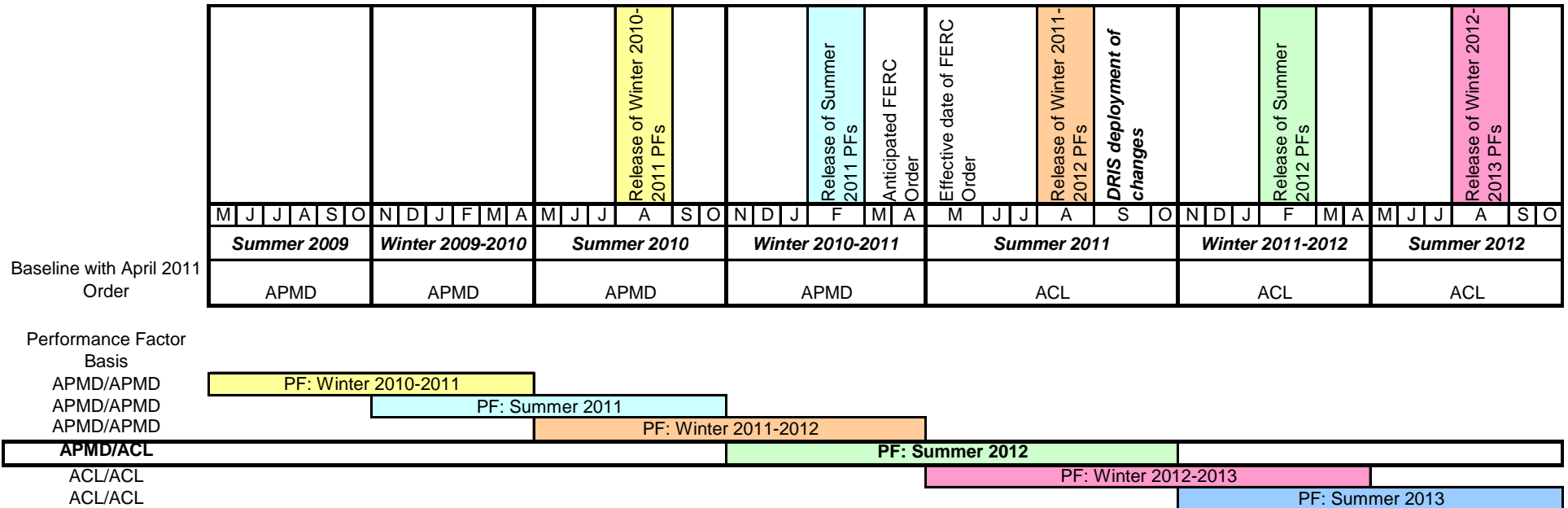
- Export Aggregation Performance Factor

Aggregation Performance Factors

♦ The September 2011 DRIS deployment will include implementation of rule changes for Aggregation performance factors, however, Aggregation performance factors will not be utilized in DRIS until Summer 2012

♦ Performance of SCR Aggregations in events or tests that occur during the Summer 2011 Capability Period will be used in the SCR Aggregation performance factor calculation, beginning in Summer 2012, that allows over-performance of one resource in an Aggregation to compensate for under-performance of another resource in the same Aggregation in the same hour

Aggregation Performance Factors

♦ Summer 2012 will be the first Capability Period in which Aggregation Performance Factors will be calculated and visible in DRIS

- *Calculated shortly after the close of each SCR Enrollment period*

- *Re-calculated during Aggregation Management when resources are moved between Aggregations*

- *Plan is to shorten the enrollment period by two days so that aggregation performance factors can be available prior to the monthly auction*

Timeline of Aggregation Performance Factor Functionality

Timeline chart. Month row (across top): M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O

Season periods: Summer 2009 | Winter 2009-2010 | Summer 2010 | Winter 2010-2011 | Summer 2011 | Winter 2011-2012 | Summer 2012

Vertical event labels: Release of Winter 2010-2011 PFs; Release of Summer 2011 PFs; Anticipated FERC Order; Effective date of FERC Order; Release of Winter 2011-2012 PFs; DRIS deployment of changes; Release of Summer 2012 PFs; Release of Winter 2012-2013 PFs

Baseline with April 2011 Order: APMD | APMD | APMD | APMD | ACL | ACL | ACL

Performance Factor Basis
- APMD/APMD: PF: Winter 2010-2011
- APMD/APMD: PF: Summer 2011
- APMD/APMD: PF: Winter 2011-2012
- **APMD/ACL**: **PF: Summer 2012**
- ACL/ACL: PF: Winter 2012-2013
- ACL/ACL: PF: Summer 2013

- Performance factors are calculated using performance from the Prior Equivalent Capability Period and the Capability Period before the Prior Equivalent Capability Period

- For Summer 2012, performance factors will be based on performance during the Summer 2011 Capability Period and the Winter 2010-2011 Capability Period

Aggregation Performance Factor Calculation

- Calculation of the Aggregation Performance Factor can be found as part of the calculation for the UCAP MW of an Aggregation in Section 4.12.2.1.4 of the ICAP Manual

  - *Determining the Amount of UCAP for an SCR Aggregation of Special Case Resources*

View and Export Aggregation Performance Factor

- ◆ Aggregation Performance Factors will be visible on the Aggregation Management screen in DRIS beginning with the Summer 2012 Capability Period

- ◆ An export will also be available which will show all resource data used to calculate the Aggregation Performance Factor

- ◆ The UCAP Export will no longer be used by MPs beginning with Summer 2012
  - *UCAP MW for each Aggregation can be viewed and downloaded from the Aggregation Management screen*
  - *UCAP Export will be available for reporting of historic values prior to the Summer 2012 Capability Period*

Additional Aggregation Performance Factor Training

- Additional training on DRIS Aggregation Performance Factor functionality will be scheduled prior to the Summer 2012 Capability Period

- Will include detailed training on:
  - *New Aggregation Management summary screen*
  - *New Aggregation Management details screen*
  - *Aggregation Performance Factor Export*

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