Determination of SCR and EDRP Resources for Planning (Gold Book, IRM, and RNA)

Clyde Custer
Manager - Resource Planning
New York Independent System Operator

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2008 Gold Book

- Utilize the enrolled ICAP MW from August of 2007 for both programs. This is consistent with the year-end FERC filing.

- Compute a growth rate for each program based upon previous three year enrollments. Use the growth rates to calculate projected 2009 ICAP values for both programs.

- Determine projected 2009 UCAP values for both programs. Adjust the 2009 ICAP values by the most recent summer capability period's overall performance factor for each program. (There were no events in the 2007 summer capability period, therefore utilize the performance factors from the 2006 summer capability period).

- Given the uncertainty in rulemaking and market design surrounding both programs, use the calculated 2009 ICAP/UCAP results from above, by program, for the entire ten year period in the Gold Book.

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2008 Gold Book

Step 1: Determine program base lines = 2007 information from year-end FERC filing

SCR Enrolled MW: 1345.3 (1338.5 + 6.8 ICAP SCR unsold); EDRP Enrolled MW: 456.7

Step 2: Compute the growth rate for each program

A 3-year average growth rate was calculated as part of the semi-annual DR program report to FERC.

SCR growth rate = 4% (+ 11% over 3 years)

EDRP overall growth rate = 0 (-7%, use zero)

Step 3a: Determine event performance factor

There were no NYISO-called events during the summer of 2007. Go to step 3b.

Step 3b: Use previous summer's performance factor

SCR overall performance factor for 2006: 92%

EDRP performance factor for 2006: 66%

Step 4: Determine 2008 Gold Book projections for SCR and EDRP values – 2008 through 2018

SCR: 1,345.3 * 1.04 = 1,399.1 (ICAP)

SCR: 1,399.1 * 0.92 = 1,287.2 (UCAP)

EDRP: 456.7 * 1.0 = 456.7 (ICAP)

EDRP: 456.7 * 0.66 = 301.4 (UCAP)

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2009 IRM Study - Proposal

- Model monthly SCR levels by zone based upon actual 2007/2008 enrollments and applying calculation method similar to Gold Book (i.e. For each zone, 2009 May ICAP = 2008 May ICAP * Growth Rate; 2009 May UCAP = 2009 May ICAP * 2008 zonal PF for May).
    - In addition to considering the analytical results, the ICS should consider the recent 2008 step change in SCR registrations and the impact on selected Growth Rates and Performance Factors

- Model July and August EDRP based upon 2007 peak level by zone as represented in the December 2007 FERC filing and applying calculation similar to above. (i.e. For each zone, July/August ICAP = 2008 August ICAP * Growth Rate; 2009 July/August UCAP = 2009 July/August ICAP * 2008 zonal PF). Remaining months are proportioned based upon monthly peak loads.

- **Update** (June 2008): SCR registrations now presented in UCAP. Step 1 above will change to base lining with UCAP values and Step 4 will reverse to determination of ICAP values from the posted UCAP registration values.

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2009 RNA

- Replicate monthly SCR and EDRP values by zone from the 2009 IRM study for year 1 (2009). NYISO to recommend projection rates beyond 2009 for RNA analysis through the ESPWG.

- **Update** (June 2008): SCR registrations now presented in UCAP. Step 1 above will change to base lining with UCAP values and Step 4 will reverse to determination of ICAP values from the posted UCAP registration values.

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