Scenario 1B Sensitivity: With/Without Demand Response

SAAC Meeting 6/23/2015

Main Results

If Demand Response were not available...

- 1. The system cost would be 4 billion dollars more.
 - Based on delta of NPV (in 2012 \$) without adequacy penalties.
 - Closer to 14 billion dollars more when including adequacy penalties.
- 2. The system is WAY more risky.
 - CVAR is over 90 billion dollars more.
 - System is more adequate with DR and Conservation initial response to a peak adequacy need than a SCCT and Conservation response.

Major Drivers of Results in RPM

• Timing:

- About 1000 MW of DR resources can be optioned and built before SCCT can be built (Q1 2018)
- DR defers the size of the SCCT build until after 2030.

Resource Size/Attributes:

- DR and Conservation can meet the adequacy need more efficiently, the SCCT has to build more than is needed.
- DR effectively reduces need for SCCT builds early in study period in almost all cases, and reduces the likelihood for CCCT builds in some cases later in the study.



