

Need Assessments & Capacity Contribution

2016 IRP Update Preview
February 2018



Need Assessments

- Need assessments for capacity, energy, and RPS in the 2016 IRP Update are based on the same methodologies as the 2016 IRP, but with refreshed inputs to include the December 2017 load forecast, bilateral contracts, an updated contract snapshot, and the final 2016 REC inventory.

	Need
Capacity Need in 2021	112 MW
Energy Need in 2021 ¹	4 MWa
RPS Physical Shortage in 2025	53 MWa
REC Deficit Year ²	2033 yr
RPS Shortage in 2034	373 MWa

1. Based on energy availability from the load-resource balance, not economic dispatch.
2. The year in which non-compliance begins under a scenario of full utilization of the REC bank for RPS compliance.

Wind and Solar Incremental ELCC

- The capacity contribution values (or ELCC, effective load carrying contribution) for incremental wind and solar resources were updated based on the refreshed RECAP model used for the capacity need assessment.

