

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET
SACRAMENTO, CA 95814-5512

April 29, 2015

Steve Berberich
California Independent System Operator
President and Chief Executive Officer
P.O. Box 639014
Folsom, CA 95763-9014
Transmitted electronically

Re: Revised Base Case Renewable Resource Portfolio for the CAISO 2015-2016 Transmission Planning Process

Dear Mr. Berberich:

On March 11, 2015, the California Energy Commission (CEC) and the California Public Utilities Commission (CPUC) formally transmitted to the California Independent System Operator (CAISO) two renewable resource portfolios that our Commissions jointly recommended to be studied in the 2015-16 Transmission Planning Process (TPP).

As stated in the March 11th Transmittal Letter, CEC, CPUC, and CAISO staff had decided not to re-run the RPS calculator (v.5) because the anticipated changes were not envisioned to materially impact the RPS portfolios.

On March 20, 2015, CPUC and CAISO staff held a phone conference in which it was determined that changes in transmission capacity would materially affect the RPS portfolios. Therefore, an agreement was reached to make a simple, but important, update to the transmission capacity and re-run the RPS calculator (v.5) in order to reflect the transmission capacity findings from the CAISO 2014-15 TPP study. This update changed the transmission capacity in two of the Competitive Renewable Energy Zones (CREZs), as follows:

- 1) The available existing transmission capacity assumed in the Kramer CREZ is now 250 MW (up from 62 MW).
- 2) The Imperial CREZ with minor upgrades now has 1750 MW of capacity (up from 1000 MW).

As expected, the changes to the transmission capacity in these two CREZs changed the composition of this RPS portfolio, decreasing the generic projects in the Kramer CREZ and

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increasing the generic projects in the Imperial CREZ. The CPUC and the CEC recommend using this updated RPS portfolio as the base case in the 2015-16 TPP.

This joint re-submittal is pursuant to the May 2010 Memorandum of Understanding which called for transmission planning coordination between the CPUC and the CAISO.

If you have any questions about the details of the scenarios, please contact Carlos Velasquez at 415-703-1124 or carlos.velasquez@cpuc.ca.gov or Roger Johnson at 916-654-5100 or roger.johnson@energy.ca.gov.

Sincerely,



Michael Picker
President, CPUC



Robert B. Weisenmiller
Chair, CEC

Cc. Timothy Sullivan, CPUC Executive Director
Keith Casey, CAISO VP for Market and Infrastructure Development
Karen Edson, CAISO VP for Policy and Client Services
Robert Oglesby, Energy Commission Executive Director
Brian Turner, CPUC Deputy Executive Director
Edward Randolph, CPUC Energy Division Director
Roger Johnson, Energy Commission's Siting, Transmission, and Environmental Protection
Division Deputy Director

Enclosure

Scenario Name	33% 2024 Mid AAEE
Net Short (GWh)	30,551
	Portfolio Totals (MW)
Discounted Core	9,159
Generic	2,827
Total	11,986
CREZ	
Biogas	20
Biomass	103
Geothermal	429
Hydro	-
Large Scale Solar PV	6,832
Small Solar PV	2,054
Solar Thermal	1,303
Wind	1,245
Total	11,986
New Transmission Segments	Riverside East - 1

Scenario Name	33% 2024 Mid AEE
Net Short (GWh)	30,551
	Portfolio Totals (MW)
Discounted Core	9,159
Generic	2,827
Total	11,986
CREZ	MW
Alberta	300
Arizona	400
Baja	100
Carrizo South	900
Distributed Solar - PG&E	984
Distributed Solar - SCE	565
Distributed Solar - SDGE	143
Imperial	1,750
Kramer	250
Mountain Pass	658
Nevada C	516
NonCREZ	185
Riverside East	3,017
San Bernardino - Lucerne	87
San Diego South	
Solano	
Tehachapi	1,653
Westlands	475
Central Valley North	
Merced	5
Total	11,986
New Transmission Segments	Riverside East - 1