

2011

2012

2013

2014

2015

2016

2017

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Projected annual aggregate cost of energy associated with post-2002 RPS PPAs, as defined in the Contract Costs tab

{Redacted}

Estimated annual RPS-related integration costs, as described in the Integration Cost tab, associated with annual deliveries in Row 3

{Redacted}

Total

{Redacted}

{Redacted}

Total RPS Contract Costs (as defined) and Integration Costs (as defined) from 2011 through 2020

{Redacted}

2018

2019

2020

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**Forecasted Energy Deliveries from Executed Post-2002 RPS PPAs (as defined in the Contract Costs tab) for Intermittent Generation (in MWh)**

Intermittant Gen MWh	2011	2012	2013	2014	2015	2016	2017	2018
Confidential Information Protected Solar Thermal Wind	Confidential information protected pursuant to the provisions of Decision 06-06-066, Appendix 1 and submitted under Public Utilities Code Sections 454.5(g) and 583 and GO 66-C							
TOTAL								

**Estimated Annual RPS Integration Costs**

Integration Cost \$/MWh	
Integration Cost \$	

2019 2020

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[Redacted]

[Redacted]

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Name	Technology	Total Cost \$					
		2011	2012	2013	2014	2015	2016
Agua Caliente	Solar PV	{Redacted}					
North Star PPA	Solar PV						
Alpaugh North PPA	Solar PV						
Alpaugh Solar	Solar PV						
Alpine Solar Replacement April 2010	Solar PV						
Anderson Biomass	Biomass and Waste						
Antelope Valley	Solar PV						
Arlington Wind PPA	Wind (OOS)						
Atwell Island PPA	Solar PV						
Avenal Park PPA	Solar PV						
Baxter 1	Solar PV						
Baxter 2	Solar PV						
Baxter 3	Solar PV						
Bena Landfill Gas Power Plant	Biomass and Waste						
Big Creek Waterworks	Small Hydroelectric						
Big Horn I (Shell 2)	Wind (OOS)						
Big Horn II (Shell 5)	Wind (OOS)						
Big Valley Lumber - RPS PPA	Biomass and Waste						
Bottle Rock (Old Contract)	Geothermal						
Bottle Rock Replacement	Geothermal						
BrightSource I - SolarPartners II (Amended)	Solar Thermal						
BrightSource II - SolarPartners VIII (amended)	Solar Thermal						
Buckeye Hydroelectric Project	Small Hydroelectric						
Buena Vista	Wind						
CalRenew 1	Solar PV						
Castelanelli Bros. Biogas	Biomass and Waste						
Chowchilla	Biomass and Waste						
Combie North FIT	Small Hydroelectric						
Combie South FIT	Small Hydroelectric						
Combine Hills II (Shell 6)	Wind (OOS)						
Community Renewable Energy Services	Biomass and Waste						
Copper Mountain	Solar PV						
Coram Brodie	Wind						
Corcoran PPA	Solar PV						
Coyote Canyon	Geothermal						
Desert Sunlight	Solar PV						
Diablo Winds	Wind						
Drayer	Solar PV						
Eck 1	Solar PV						
Eck 2	Solar PV						
Eck 3	Solar PV						
El Dorado	Solar PV						
El Dorado Irrigation District	Small Hydroelectric						
El Nido	Biomass and Waste						
Green Volts Byron Original	Solar PV						
Harvest Wind I (Shell 8)	Wind (OOS)						
Harvest Wind II (Shell 9)	Wind (OOS)						
Hatchet Ridge	Wind						
Hay Canyon (Barclays 1)	Wind (OOS)						
High Plains Ranch II	Solar PV						
High Plains Ranch III	Solar PV						
Klondike III	Wind (OOS)						
Klondike IIIA	Wind (OOS)						
Liberty Biofuels Original	Biomass and Waste						
Madera Original Contract	Biomass and Waste						
Manzana PSA	Wind						
Mesquite	Solar PV						

Milpitas Landfill , American Canyon Landfill	Biomass and Waste
Monterey Regional Waste Management Disposal	Biomass and Waste
Montezuma Winds Replacement	Wind
Mt. Poso PPA	Biomass and Waste
Mt. Poso Bridging	Biomass and Waste
Newell Creek Dam	Small Hydroelectric
Nickel 1	Solar PV
Nickel 2	Solar PV
Nine Canyon (Barclays 2)	Wind (OOS)
Pacificorp 2010-2012 Short Term Agreement	Wind (OOS)
Parreira Almond Processing Co	Biomass and Waste
PG&E AT&T Park Solar Arrays, PG&E San Jose	Solar PV
POSDEF - RPS Contract	Biomass and Waste
Potrero Hills Landfill	Biomass and Waste
PV Program - PPA	Solar PV
Sand Drag PPA	Solar PV
Santa Maria II	Biomass and Waste
SGE Site 1	Solar PV
Shiloh I	Wind
Shiloh II	Wind
Shiloh III	Wind
Short-Term Aggregation	Wind (OOS)
Sierra Power - Contract	Biomass and Waste
Snow Mountain Hydro (Lost Creek 1) - Contract	Small Hydroelectric
Snow Mountain Hydro (Lost Creek 2) - Contract	Small Hydroelectric
Sun City PPA	Solar PV
Sunshine Landfill	Biomass and Waste
Tank 7 In-Conduit Hydroelectric Project	Small Hydroelectric
Three Forks Water	Small Hydroelectric
Tunnel Hill Hydroelectric Project	Small Hydroelectric
Vaca-Dixon Solar	Solar PV
Vantage Wind PPA	Wind (OOS)
Wadham Extension	Biomass and Waste
Wheat Field (Shell 4)	Wind (OOS)
White Creek I (Shell 1)	Wind (OOS)
White Creek II (Shell 3)	Wind (OOS)
White Creek III (Shell 7)	Wind (OOS)
White River	Solar PV
Wildhorse & Hopkins Ridge	Wind (OOS)
Woodland Biomass	Biomass and Waste
Stockton Cogen Bridging	Biomass and Waste
Horizon Kittitas	Wind (OOS)
NID Scotts Flat	Small Hydroelectric
Lompoc PPA	Wind
Truckhaven	Geothermal
Solel	Solar Thermal
Eden Vale Dairy	Biomass and Waste
Topaz Solar Farm	Solar PV
Topaz Solar Farm Phase 2	Solar PV
BrightSource III - SolarPartners XII	Solar Thermal
BrightSource IV - SolarPartners XIV	Solar Thermal
BrightSource V - SolarPartners XV	Solar Thermal
BrightSource VI - SolarPartners XXII	Solar Thermal
BrightSource VII - SolarPartners XXIII	Solar Thermal
Mojave Solar PPA	Solar Thermal
Project Genesis	Solar Thermal
Halkirk	Wind (OOS)
Blackspring Ridge IA	Wind (OOS)
Blackspring Ridge IB	Wind (OOS)
Rice Solar Energy	Solar Thermal
Solaren	Solar PV
Geysers (2008, 2010)	Geothermal
South Feather	Small Hydroelectric
Microgy	Biomass and Waste
BioEnergy	Biomass and Waste
Transalta (RECs)	RECs
SPI (RECs)	RECs
Total	Total

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2017	2018	2019	2020
[Redacted Content]			

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