

From: Dudney, Kevin

Sent: 12/13/2012 4:15:48 PM

Andrew.Wang@SolarReserve.com (Andrew.Wang@SolarReserve.com);
Adam.Gusman@GlacialEnergy.com (Adam.Gusman@GlacialEnergy.com);
rick_noger@praxair.com (rick_noger@praxair.com); blaising@braunlegal.com
(blaising@braunlegal.com); marcusdacunha@hotmail.com
(marcusdacunha@hotmail.com); abraham.silverman@nrgenergy.com
(abraham.silverman@nrgenergy.com); AKaplan@BrownRudnick.com
(AKaplan@BrownRudnick.com); awilliams@libertypowercorp.com
(awilliams@libertypowercorp.com); awilliams@libertypowercorp.com
(awilliams@libertypowercorp.com); kwd@vnf.com (kwd@vnf.com);
liddell@energyattorney.com (liddell@energyattorney.com);
mmazur@3PhasesRenewables.com (mmazur@3PhasesRenewables.com);
douglass@energyattorney.com (douglass@energyattorney.com);
igoodman@commerceenergy.com (igoodman@commerceenergy.com);
kb@EnerCalUSA.com (kb@EnerCalUSA.com); TPhillips@TigerNaturalGas.com
(TPhillips@TigerNaturalGas.com); AMSmith@SempraUtilities.com
(AMSmith@SempraUtilities.com); kara.morgan@tac-denver.com
(kara.morgan@tac-denver.com); gbass@noblesolutions.com
(gbass@noblesolutions.com); cpacc@calpine.com (cpacc@calpine.com);
rkmoore@gswater.com (rkmoore@gswater.com); martin.kadillak@shell.com
To: (martin.kadillak@shell.com); akbar.jazayeri@sce.com (akbar.jazayeri@sce.com);
daking@semprausgp.com (daking@semprausgp.com); STomec@CapitalPower.com
(STomec@CapitalPower.com); p.shepard@dgc-us.com (p.shepard@dgc-us.com);
Cherry, Brian K (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=BKC7);
ssmyers@att.net (ssmyers@att.net); sdhilton@stoel.com (sdhilton@stoel.com);
edwardoneill@dwt.com (edwardoneill@dwt.com); Lee, Diana
(diana.lee@cpuc.ca.gov); nes@a-klaw.com (nes@a-klaw.com); mtierney-
lloyd@enernoc.com (mtierney-lloyd@enernoc.com); bcragg@goodinmacbride.com
(bcragg@goodinmacbride.com); tdarton@pilotpowergroup.com
(tdarton@pilotpowergroup.com); GloriaB@anzaelectric.org
(GloriaB@anzaelectric.org); Huffman, Mark (Law)
(/O=PG&E/OU=Corporate/cn=Recipients/cn=MRH2);
mdjoseph@adamsbroadwell.com (mdjoseph@adamsbroadwell.com);
andrea.morrison@directenergy.com (andrea.morrison@directenergy.com);
tam.hunt@gmail.com (tam.hunt@gmail.com); sue.mara@RTOadvisors.com
(sue.mara@RTOadvisors.com); matthew@turn.org (matthew@turn.org);
jeffgray@dwt.com (jeffgray@dwt.com); dorth@krcd.org (dorth@krcd.org);
mcampbell@sflower.org (mcampbell@sflower.org); lcottle@winston.com
(lcottle@winston.com); ek@a-klaw.com (ek@a-klaw.com);
JChamberlin@LSPower.com (JChamberlin@LSPower.com);
mday@goodinmacbride.com (mday@goodinmacbride.com);
mday@goodinmacbride.com (mday@goodinmacbride.com); jstoddard@manatt.com
(jstoddard@manatt.com); mmattes@nossaman.com (mmattes@nossaman.com);
theresa.mueller@sfgov.org (theresa.mueller@sfgov.org); wrostov@earthjustice.org

(wrostov@earthjustice.org); smartinez@nrdc.org (smartinez@nrdc.org);
dbehles@ggu.edu (dbehles@ggu.edu); proceedings@megawattsf.com
(proceedings@megawattsf.com); kristine@SoCalTelephone.com
(kristine@SoCalTelephone.com); kmills@cfbf.com (kmills@cfbf.com);
lmh@eslawfirm.com (lmh@eslawfirm.com); brbarkovich@earthlink.net
(brbarkovich@earthlink.net); jody_london_consulting@earthlink.net
(jody_london_consulting@earthlink.net); mrw@mrwassoc.com
(mrw@mrwassoc.com); wem@igc.org (wem@igc.org); bobgex@dwt.com
(bobgex@dwt.com); janreid@coastecon.com (janreid@coastecon.com);
kelly@votesolar.org (kelly@votesolar.org); gmorris@emf.net (gmorris@emf.net);
DWTCPUCDOCKETS@dwt.com (DWTCPUCDOCKETS@dwt.com);
jsanders@caiso.com (jsanders@caiso.com); lwisland@ucsusa.org
(lwisland@ucsusa.org); Zahariudakis, George
(/O=PG&E/OU=Corporate/cn=Recipients/cn=GxZ5); abb@eslawfirm.com
(abb@eslawfirm.com); Gong, Alice
(/O=PG&E/OU=Corporate/cn=Recipients/cn=AxL3);
Patrick.VanBeek@CommercialEnergy.net
(Patrick.VanBeek@CommercialEnergy.net); Patry, Daniel
(/O=PG&E/OU=Corporate/cn=Recipients/cn=DbP0);
tomb@crossborderenergy.com (tomb@crossborderenergy.com);
cte@eslawfirm.com (cte@eslawfirm.com); Diane.Fellman@nrgenergy.com
(Diane.Fellman@nrgenergy.com); californiadockets@pacificorp.com
(californiadockets@pacificorp.com); ddavie@wellhead.com
(ddavie@wellhead.com); mary.wiencke@pacificorp.com
(mary.wiencke@pacificorp.com); VidhyaPrabhakaran@dwt.com
(VidhyaPrabhakaran@dwt.com); matthew.barmack@calpine.com
(matthew.barmack@calpine.com); bmarshall@psrec.coop (bmarshall@psrec.coop);
dansvec@hdo.net (dansvec@hdo.net); agerterlinda@gmail.com
(agerterlinda@gmail.com); deb@a-klaw.com (deb@a-klaw.com);
gifford.jung@powerex.com (gifford.jung@powerex.com);
stephen.t.greenleaf@jpmorgan.com (stephen.t.greenleaf@jpmorgan.com);
jleslie@mckennalong.com (jleslie@mckennalong.com); b.bordine@d-e-c-a.org
(b.bordine@d-e-c-a.org); oliviapara@dwt.com (oliviapara@dwt.com);
ksoutherland@tas.com (ksoutherland@tas.com); greencowboysdf@gmail.com
(greencowboysdf@gmail.com); ehsieh@a123systems.com
(ehsieh@a123systems.com); rfo@sovereignenergy.net (rfo@sovereignenergy.net);
sahm@clean-coalition.org (sahm@clean-coalition.org);
margaret.miller@brookfieldrenewable.com
(margaret.miller@brookfieldrenewable.com); Berlinski@BeaconPower.com
(Berlinski@BeaconPower.com); WJKeese@aol.com (WJKeese@aol.com);
john@dicksongeesman.com (john@dicksongeesman.com);
andra.pligavko@gmail.com (andra.pligavko@gmail.com); dyana@clean-
coalition.org (dyana@clean-coalition.org); Ekelly@MarinEnergy.com
(Ekelly@MarinEnergy.com); ygoomez@libertypowercorp.com
(ygoomez@libertypowercorp.com); randy.keller@calenergy.com
(randy.keller@calenergy.com); lchaset@keyesandfox.com

(lchaset@keyesandfox.com); lchaset@keyesandfox.com
(lchaset@keyesandfox.com); rfagan@synapse-energy.com (rfagan@synapse-energy.com); hudsonr@conedsolutions.com (hudsonr@conedsolutions.com); tam@clean-coalition.org (tam@clean-coalition.org); tvitolo@synapse-energy.com (tvitolo@synapse-energy.com); d.hicks@dgc-us.com (d.hicks@dgc-us.com); PLuckow@Synapse-Energy.com (PLuckow@Synapse-Energy.com); KUlrich@foe.org (KUlrich@foe.org); FairbanksA@ConEdSolutions.com (FairbanksA@ConEdSolutions.com); adaberko@starwood.com (adaberko@starwood.com); rwilson@synapse-energy.com (rwilson@synapse-energy.com); ndivekar@synapse-energy.com (ndivekar@synapse-energy.com); bvitale@climatetrust.org (bvitale@climatetrust.org); mansell@ieta.org (mansell@ieta.org); RegRelCPUCCases (/O=PG&E/OU=Corporate/cn=Recipients/cn=RegRelCPUCCases); Peck, David B. (david.peck@cpuc.ca.gov); jeanne.sole@sfgov.org (jeanne.sole@sfgov.org); filings@a-klaw.com (filings@a-klaw.com); mpa@a-klaw.com (mpa@a-klaw.com); Ungson, Chris (chris.ungson@cpuc.ca.gov); CentralFiles@SempraUtilities.com (CentralFiles@SempraUtilities.com); Gamson, David M. (david.gamson@cpuc.ca.gov); jimross@r-c-s-inc.com (jimross@r-c-s-inc.com); glw@eslawfirm.com (glw@eslawfirm.com); cem@newsdata.com (cem@newsdata.com); case.admin@sce.com (case.admin@sce.com); whb@a-klaw.com (whb@a-klaw.com); pthomsen@ormat.com (pthomsen@ormat.com); e-recipient@caiso.com (e-recipient@caiso.com); Skinner, Nathaniel (nathaniel.skinner@cpuc.ca.gov); Middlekauff, Charles (Law) (/O=PG&E/OU=Corporate/cn=Recipients/cn=CRMd); Jones, Kimberly (/O=PG&E/OU=Corporate/cn=Recipients/cn=KCJ5); Gonzales, Matthew (/O=PG&E/OU=Corporate/cn=Recipients/cn=MRGg); Chow, Lily (lily.chow@cpuc.ca.gov); todd.edmister@bingham.com (todd.edmister@bingham.com); Ouyang, Ke Hao (kehao.ouyang@cpuc.ca.gov); shong@goodinmacbride.com (shong@goodinmacbride.com); rl@eslawfirm.com (rl@eslawfirm.com); adam.green@solarreserve.com (adam.green@solarreserve.com); dkk@eslawfirm.com (dkk@eslawfirm.com); Parrillo, Jordan (jordan.parrillo@cpuc.ca.gov); Rogers, Nika (nika.rogers@cpuc.ca.gov); Spencer, Peter (peter.spencer@cpuc.ca.gov); Lukins, Chloe (chloe.lukins@cpuc.ca.gov); Lakhchaura, Megha (megha.lakhchaura@cpuc.ca.gov); klatt@energyattorney.com (klatt@energyattorney.com); kowalewskia@calpine.com (kowalewskia@calpine.com); eddyconsulting@gmail.com (eddyconsulting@gmail.com); nrader@calwea.org (nrader@calwea.org); steven@iepa.com (steven@iepa.com); martinhomec@gmail.com (martinhomec@gmail.com); djurijew@capitalpower.com (djurijew@capitalpower.com); atrowbridge@daycartermurphy.com (atrowbridge@daycartermurphy.com); dietrichlaw2@earthlink.net (dietrichlaw2@earthlink.net); Kwasny, Iryna (iryna.kwasny@cpuc.ca.gov); dws@r-c-s-inc.com (dws@r-c-s-inc.com); bsb@eslawfirm.com (bsb@eslawfirm.com); Hieta, Karin M. (karin.hieta@cpuc.ca.gov); kdw@woodruff-expert-services.com (kdw@woodruff-expert-services.com); White, Keith D. (keith.white@cpuc.ca.gov);

sean.beatty@genon.com (sean.beatty@genon.com); ccollins@Energystrat.com (ccollins@Energystrat.com); rvn@a-klaw.com (rvn@a-klaw.com); brian.theaker@nrgenergy.com (brian.theaker@nrgenergy.com); beth@beth411.com (beth@beth411.com); Franz, Damon A. (damon.franz@cpuc.ca.gov); jpierce@semprautilities.com (jpierce@semprautilities.com); Poirier, Marcelo (marcelo.poirier@cpuc.ca.gov); dmarcus2@sbcglobal.net (dmarcus2@sbcglobal.net); Khosrowjah, Sepideh (sepideh.khosrowjah@cpuc.ca.gov); carol.schmidfrazee@sce.com (carol.schmidfrazee@sce.com); david@ceert.org (david@ceert.org); pushkarwagle@flynnrci.com (pushkarwagle@flynnrci.com); dwang@nrdc.org (dwang@nrdc.org); pcort@earthjustice.org (pcort@earthjustice.org); Lasko, Yakov (yakov.lasko@cpuc.ca.gov); rpsantos@semprautilities.com (rpsantos@semprautilities.com); Jarman, Thomas A (/O=PG&E/OU=Corporate/cn=Recipients/cn=TAJ8); jack@casaraquel.com (jack@casaraquel.com); jbaire@earthjustice.org (jbaire@earthjustice.org); slazerow@cbeal.org (slazerow@cbeal.org); WKeilani@SempraUtilities.com (WKeilani@SempraUtilities.com); philm@scdenergy.com (philm@scdenergy.com); Randolph, Edward F. (edward.randolph@cpuc.ca.gov); bspeckman@nexant.com (bspeckman@nexant.com); daniel.h.kim@me.com (daniel.h.kim@me.com); will.mitchell@cpv.com (will.mitchell@cpv.com); Melissa.Hovsepian@sce.com (Melissa.Hovsepian@sce.com); KKloberdanz@SempraUtilities.com (KKloberdanz@SempraUtilities.com); Velasquez, Carlos A. (carlos.velasquez@cpuc.ca.gov); matt.vespa@SierraClub.org (matt.vespa@SierraClub.org); TLindl@kfwlaw.com (TLindl@kfwlaw.com); O'Donnell, Arthur J. (Arthur.O'Donnell@cpuc.ca.gov); tculley@kfwlaw.com (tculley@kfwlaw.com); Kao, Valerie (valerie.kao@cpuc.ca.gov); nicole@braunlegal.com (nicole@braunlegal.com); Kito, Michele (michele.kito@cpuc.ca.gov); ahmad.faruqui@brattle.com (ahmad.faruqui@brattle.com); cbk@eslawfirm.com (cbk@eslawfirm.com); jderosa@ces-ltd.com (jderosa@ces-ltd.com); Rachel.McMahon@firstsolar.com (Rachel.McMahon@firstsolar.com); Siao, David (David.Siao@cpuc.ca.gov); Stevens, Brian (brian.stevens@cpuc.ca.gov); Rachel@ConsciousVenturesGroup.com (Rachel@ConsciousVenturesGroup.com); Wecker, Alan (Alan.Wecker@cpuc.ca.gov); sbailey@semprausgp.com (sbailey@semprausgp.com); irene@igc.org (irene@igc.org); ericg@votesolar.org (ericg@votesolar.org); aadeyeye@earthjustice.org (aadeyeye@earthjustice.org); TCSaile@SempraUtilities.com (TCSaile@SempraUtilities.com); CalConsumersAlliance@gmail.com (CalConsumersAlliance@gmail.com); chris.hendrix@wal-mart.com (chris.hendrix@wal-mart.com); Gupta, Alope (alope.gupta@cpuc.ca.gov); JWaen@MarinEnergy.com (JWaen@MarinEnergy.com); bruce.perlstein@navigant.com (bruce.perlstein@navigant.com); Iwahashi, Miyuki (/O=PG&E/OU=Corporate/cn=Recipients/cn=MXI8); Sarah.Friedman@SierraClub.org (Sarah.Friedman@SierraClub.org); connie.leni@energy.ca.gov (connie.leni@energy.ca.gov); dhou@caiso.com (dhou@caiso.com); Mobasheri@ElectricPowerGroup.com

(Mobasheri@ElectricPowerGroup.com); Rich.Quattrini@jci.com
(Rich.Quattrini@jci.com); David.Weidberg@jci.com (David.Weidberg@jci.com);
ravage@ieta.org (ravage@ieta.org); cpospisil@edisonmission.com
(cpospisil@edisonmission.com); marilyn@sbesc.com (marilyn@sbesc.com);
gestrada@krismayeslaw.com (gestrada@krismayeslaw.com);
charles.purshouse@camcoglobal.com (charles.purshouse@camcoglobal.com);
snichols@summitpower.com (snichols@summitpower.com); ronknecht@aol.com
(ronknecht@aol.com); eszalkowski@cleanlineenergy.com
(eszalkowski@cleanlineenergy.com); amanda.klopf@sce.com
(amanda.klopf@sce.com); nick@ethree.com (nick@ethree.com);
jshields@ssjid.com (jshields@ssjid.com); peter.cavan@pulseenergy.com
(peter.cavan@pulseenergy.com); Young, Patrick (Patrick.Young@cpuc.ca.gov);
Ketabi, Noushin (Noushin.Ketabi@cpuc.ca.gov); Ciupagea, Radu
(radu.ciupagea@cpuc.ca.gov); greg.blue@sbcglobal.net (greg.blue@sbcglobal.net);
lschwartz@raponline.org (lschwartz@raponline.org); Dudney, Kevin
(kevin.dudney@cpuc.ca.gov); jcandelaria@aspenerg.com
(jcandelaria@aspenerg.com); sfoley@ggu.edu (sfoley@ggu.edu); Lee, Rebecca Tsai-
Wei (rebecca.lee@cpuc.ca.gov); mpryor@energy.state.ca.us
(mpryor@energy.state.ca.us); mike.jaske@energy.state.ca.us
(mike.jaske@energy.state.ca.us)

Cc:

Bcc:

Subject: R.12-03-014 - Renewables Portfolios for 2013-14 Transmission Plan

Hello R.12-03-014,

This email provides summary information on the proposed renewable resource portfolios for the California Independent System Operator's 2013-14 Transmission Planning Process (TPP). These renewable resource portfolios are an important assumption in the TPP. CPUC and CEC staff will discuss these portfolios in detail at the 12/19 workshop at the CEC (the workshop was noticed to this service list last week). Staff intends the information included here to help stakeholders prepare for the workshops.

Three portfolios were created using the 33% RPS Calculator: Commercial, Environmental and High Distributed Generation. These portfolios are described on two worksheets in the attached spreadsheet (TPP portfolios_12-11-12.xlsx). Each of these three portfolios should be studied in conjunction with data on distributed renewable resources. Note that the distributed resources are subtracted from the renewable net short used in the 33% RPS Calculator (see the "RenewableNetShort" worksheet). These distributed resources are described on the "Procured DG" and "SB1122" worksheets in the attached spreadsheet.

Worksheet:	Origin:	Description:
MW_Summary_Tech&Transmission	Created from the 33% RPS Calculator.	Shows the three proposed portfolios, summarized by generation technology.
MW_Summary_CREZ	Created from the 33% RPS Calculator.	Shows the three proposed portfolios, summarized by geographic region of generation.
Procured DG - details	Created from Energy Division data.	Enumerates the projects procured to date in various Distributed Generation programs. The energy production associated with these projects is subtracted from the renewable net short used in the 33% RPS Calculator, for all three portfolios.
Procured DG - Summary	Created from Energy Division data.	Summarizes the procured distributed generation by IOU service territory and technology.
SB1122 - Details	Forecast by Energy Division.	Forecasts the amount of distributed bioenergy resources in each county in order to meet the goals of SB1122.
SB1122 - Summary	Forecast by Energy Division.	Summarizes the forecast of SB1122 bioenergy resources by technology and IOU service territory.
RenewableNetShort	Various. Similar to the 2012 LTPP.	Shows the calculation of the renewable net short used in the 33% RPS Calculator. Describes how the "Procured DG" and "SB 1122" calculations are factored into the renewable net short.

The attached word document describes the forecast of the SB1122 distributed bioenergy resources.

The 33% RPS Calculator and other materials about these portfolios are posted at the link below. For more details on the portfolios, please join us at the CPUC-CEC workshop on 12/19 at the CEC.

<http://www.cpuc.ca.gov/PUC/energy/Procurement/LTPP/2012+LTPP+Tools+and+Spreadsheets.htm>

Thanks,

Kevin & Carlos

Kevin Dudney

CPUC – Generation and Transmission Planning

415.703.2557

Carlos Velasquez

CPUC – Generation and Transmission Planning

415.703.1124