

From: Cole, Alexander  
Sent: 7/15/2013 5:49:05 PM  
To: Andrew.Wang@SolarReserve.com (Andrew.Wang@SolarReserve.com); Adam.Gusman@GlacialEnergy.com (Adam.Gusman@GlacialEnergy.com); blaising@braunlegal.com (blaising@braunlegal.com); tam.hunt@gmail.com (tam.hunt@gmail.com); marcusdacunha@hotmail.com (marcusdacunha@hotmail.com); smartinez@nrdc.org (smartinez@nrdc.org); AKaplan@BrownRudnick.com (AKaplan@BrownRudnick.com); sahm@clean-coalition.org (sahm@clean-coalition.org); proceedings@psrec.coop (proceedings@psrec.coop); ktreven@gmail.com (ktreven@gmail.com); rick\_noger@praxair.com (rick\_noger@praxair.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); cpacc@calpine.com (cpacc@calpine.com); akbar.jazayeri@sce.com (akbar.jazayeri@sce.com); abraham.silverman@nrgenergy.com (abraham.silverman@nrgenergy.com); daking@semprausgp.com (daking@semprausgp.com); awilliams@libertypowercorp.com (awilliams@libertypowercorp.com); awilliams@libertypowercorp.com (awilliams@libertypowercorp.com); p.shepard@dgc-us.com (p.shepard@dgc-us.com); kwd@vnf.com (kwd@vnf.com); Cherry, Brian K (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=BKC7); 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); liddell@energyattorney.com (liddell@energyattorney.com); bcragg@goodinmacbride.com (bcragg@goodinmacbride.com); tdarton@pilotpowergroup.com (tdarton@pilotpowergroup.com); jarmstrong@goodinmacbride.com (jarmstrong@goodinmacbride.com); GloriaB@anzaelectric.org (GloriaB@anzaelectric.org); mdjoseph@adamsbroadwell.com (mdjoseph@adamsbroadwell.com); andrea.morrison@directenergy.com (andrea.morrison@directenergy.com); sue.mara@RTOadvisors.com (sue.mara@RTOadvisors.com); matthew@turn.org (matthew@turn.org); dorth@krcd.org (dorth@krcd.org); gbass@noblesolutions.com (gbass@noblesolutions.com); mcampbell@sflower.org (mcampbell@sflower.org); lcottle@winston.com (lcottle@winston.com); ek@a-klaw.com (ek@a-klaw.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); martin.kadillak@shell.com (martin.kadillak@shell.com); wrostov@earthjustice.org (wrostov@earthjustice.org); dbehles@ggu.edu (dbehles@ggu.edu); william.kissinger@bingham.com (william.kissinger@bingham.com); proceedings@megawatts.com

(proceedings@megawatts.com); STomec@CapitalPower.com  
(STomec@CapitalPower.com); ravage@ieta.org (ravage@ieta.org);  
kristine@SoCalTelephone.com (kristine@SoCalTelephone.com);  
RegRelCPUCCases  
(/O=PG&E/OU=Corporate/cn=Recipients/cn=RegRelCPUCCases);  
kmills@cfbf.com (kmills@cfbf.com); ssmyers@att.net (ssmyers@att.net);  
lmh@eslawfirm.com (lmh@eslawfirm.com); jody\_london\_consulting@earthlink.net  
(jody\_london\_consulting@earthlink.net); wem@igc.org (wem@igc.org);  
bobgex@dwt.com (bobgex@dwt.com); janreid@coastecon.com  
(janreid@coastecon.com); gmorris@emf.net (gmorris@emf.net);  
DWTCPUCCASES@dwt.com (DWTCPUCCASES@dwt.com); Pagedar,  
Sujata (/O=PG&E/OU=Corporate/cn=Recipients/cn=sxpg); Huffman, Mark (Law)  
(/O=PG&E/OU=Corporate/cn=Recipients/cn=MRH2); jsanders@caiso.com  
(jsanders@caiso.com); lwisland@ucsusa.org (lwisland@ucsusa.org);  
rl@eslawfirm.com (rl@eslawfirm.com); Zahariudakis, George  
(/O=PG&E/OU=Corporate/cn=Recipients/cn=GxZ5); jeffgray@dwt.com  
(jeffgray@dwt.com); Patrick.VanBeek@CommercialEnergy.net  
(Patrick.VanBeek@CommercialEnergy.net); tomb@crossborderenergy.com  
(tomb@crossborderenergy.com); cte@eslawfirm.com (cte@eslawfirm.com);  
Erin.Grizard@BloomEnergy.com (Erin.Grizard@BloomEnergy.com);  
Diane.Fellman@nrgenergy.com (Diane.Fellman@nrgenergy.com);  
californiadockets@pacificcorp.com (californiadockets@pacificcorp.com);  
ddavie@wellhead.com (ddavie@wellhead.com); JChamberlin@LSPower.com  
(JChamberlin@LSPower.com); VidhyaPrabhakaran@dwt.com  
(VidhyaPrabhakaran@dwt.com); wmc@a-klaw.com (wmc@a-klaw.com);  
julien.dumoulin-smith@ubs.com (julien.dumoulin-smith@ubs.com);  
matthew.barmack@calpine.com (matthew.barmack@calpine.com);  
dansvec@hdo.net (dansvec@hdo.net); 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);  
JMauldin@adamsbroadwell.com (JMauldin@adamsbroadwell.com); b.bordine@d-e-  
c-a.org (b.bordine@d-e-c-a.org); barbara@barkovichandyap.com  
(barbara@barkovichandyap.com); klr@a-klaw.com (klr@a-klaw.com);  
Steph@Clean-Coalition.org (Steph@Clean-Coalition.org); oliviapara@dwt.com  
(oliviapara@dwt.com); ksoutherland@tas.com (ksoutherland@tas.com);  
dan.patry@recurrentenergy.com (dan.patry@recurrentenergy.com);  
SZuretti@seia.org (SZuretti@seia.org); rfo@sovereignenergy.net  
(rfo@sovereignenergy.net); margaret.miller@brookfieldrenewable.com  
(margaret.miller@brookfieldrenewable.com); dkates@sonic.net (dkates@sonic.net);  
WJKeese@aol.com (WJKeese@aol.com); john@dicksongeesman.com  
(john@dicksongeesman.com); anfanzone@semprautilities.com  
(anfanzone@semprautilities.com); sswaroop@marinenergy.com  
(sswaroop@marinenergy.com); andra.pligavko@gmail.com  
(andra.pligavko@gmail.com); dyana@clean-coalition.org (dyana@clean-  
coalition.org); Ekelly@MarinEnergy.com (Ekelly@MarinEnergy.com);

matt@gqhlobby.com (matt@gqhlobby.com); Iwahashi, Miyuki (/O=PG&E/OU=Corporate/cn=Recipients/cn=MXI8); randy.keller@calenergy.com (randy.keller@calenergy.com); lchaset@keyesandfox.com (lchaset@keyesandfox.com); mcmahon.rachel@gmail.com (mcmahon.rachel@gmail.com); michael.evans@shell.com (michael.evans@shell.com); David.Weidberg@jci.com (David.Weidberg@jci.com); tam@clean-coalition.org (tam@clean-coalition.org); d.hicks@dgc-us.com (d.hicks@dgc-us.com); dfelix@northlightpower.com (dfelix@northlightpower.com); jbbrown@gate.net (jbbrown@gate.net); jeanne.sole@sfgov.org (jeanne.sole@sfgov.org); steven@moss.net (steven@moss.net); clamasbabbini@comverge.com (clamasbabbini@comverge.com); filings@a-klaw.com (filings@a-klaw.com); mpa@a-klaw.com (mpa@a-klaw.com); CentralFiles@SempraUtilities.com (CentralFiles@SempraUtilities.com); 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); mrw@mrwassoc.com (mrw@mrwassoc.com); pthomsen@ormat.com (pthomsen@ormat.com); e-recipient@caiso.com (e-recipient@caiso.com); 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); shong@goodinmacbride.com (shong@goodinmacbride.com); adam.green@solarreserve.com (adam.green@solarreserve.com); abb@eslawfirm.com (abb@eslawfirm.com); dkk@eslawfirm.com (dkk@eslawfirm.com); Gong, Alice (/O=PG&E/OU=Corporate/cn=Recipients/cn=AxL3); klatt@energyattorney.com (klatt@energyattorney.com); Lucha, Ed (/O=PG&E/OU=Corporate/cn=Recipients/cn=ELL5); kowalewskia@calpine.com (kowalewskia@calpine.com); DNiehaus@SempraUtilities.com (DNiehaus@SempraUtilities.com); nrader@calwea.org (nrader@calwea.org); steven@iepa.com (steven@iepa.com); dgrandy@caonsitegen.com (dgrandy@caonsitegen.com); martinhomec@gmail.com (martinhomec@gmail.com); pmaxwell@navigantconsulting.com (pmaxwell@navigantconsulting.com); kdw@woodruff-expert-services.com (kdw@woodruff-expert-services.com); Monica.Schwebs@bingham.com (Monica.Schwebs@bingham.com); ccollins@Energystrat.com (ccollins@Energystrat.com); brian.theaker@nrgenergy.com (brian.theaker@nrgenergy.com); beth@beth411.com (beth@beth411.com); jpierce@semprautilities.com (jpierce@semprautilities.com); dmarcus2@sbcglobal.net (dmarcus2@sbcglobal.net); 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); rpsantos@semprautilities.com (rpsantos@semprautilities.com); agerterlinda@gmail.com (agerterlinda@gmail.com); Jarman, Thomas A (/O=PG&E/OU=Corporate/cn=Recipients/cn=TAJ8); slazerow@cbeal.org

(slazerow@cbecal.org); WKeilani@SempraUtilities.com  
(WKeilani@SempraUtilities.com); philm@scdenergy.com (philm@scdenergy.com);  
bspeckman@nexant.com (bspeckman@nexant.com); aes\_ltp@aes.com  
(aes\_ltp@aes.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); Barry, Donna L  
(/O=PG&E/OU=Corporate/cn=Recipients/cn=DLBf); nguyen.quan@gswater.com  
(nguyen.quan@gswater.com); matt.vespa@SierraClub.org  
(matt.vespa@SierraClub.org); TLindl@kfwlaw.com (TLindl@kfwlaw.com);  
tculley@kfwlaw.com (tculley@kfwlaw.com); aschwartz@solarcity.com  
(aschwartz@solarcity.com); nicole@braunlegal.com (nicole@braunlegal.com);  
sean.beatty@nrgenergy.com (sean.beatty@nrgenergy.com);  
Rachel@largescalesolar.org (Rachel@largescalesolar.org);  
ahmad.faruqui@brattle.com (ahmad.faruqui@brattle.com); cbk@eslawfirm.com  
(cbk@eslawfirm.com); jderosa@ces-ltd.com (jderosa@ces-ltd.com);  
rshilling@krcd.org (rshilling@krcd.org); SHruby@SempraUtilities.com  
(SHruby@SempraUtilities.com); tara.collins@sfgov.org (tara.collins@sfgov.org);  
rvillarreal@earthjustice.org (rvillarreal@earthjustice.org); Smith, Christopher  
(/O=PG&E/OU=Corporate/cn=Recipients/cn=C5SE); MeganMMyers@yahoo.com  
(MeganMMyers@yahoo.com); greencowboysdf@gmail.com  
(greencowboysdf@gmail.com); sbailey@semprausgp.com  
(sbailey@semprausgp.com); irene@igc.org (irene@igc.org); ericg@votesolar.org  
(ericg@votesolar.org); ehsieh@a123systems.com (ehsieh@a123systems.com);  
aadeyeye@earthjustice.org (aadeyeye@earthjustice.org);  
CSummers@SempraUtilities.com (CSummers@SempraUtilities.com);  
TCSaile@SempraUtilities.com (TCSaile@SempraUtilities.com);  
Berlinski@BeaconPower.com (Berlinski@BeaconPower.com);  
CalConsumersAlliance@gmail.com (CalConsumersAlliance@gmail.com);  
chris.hendrix@wal-mart.com (chris.hendrix@wal-mart.com);  
James.J.Hirsch@gmail.com (James.J.Hirsch@gmail.com);  
kim.johnson@RiverbankPower.com (kim.johnson@RiverbankPower.com);  
JWaen@MarinEnergy.com (JWaen@MarinEnergy.com);  
bruce.perlstein@navigant.com (bruce.perlstein@navigant.com);  
fred.wellington@navigantconsulting.com  
(fred.wellington@navigantconsulting.com); ygomez@libertypowercorp.com  
(ygomez@libertypowercorp.com); sarah.barker-ball@bingham.com (sarah.barker-  
ball@bingham.com); Sarah.Friedman@SierraClub.org  
(Sarah.Friedman@SierraClub.org); dhou@caiso.com (dhou@caiso.com);  
Mobasheri@ElectricPowerGroup.com (Mobasheri@ElectricPowerGroup.com);  
Rich.Quattrini@jci.com (Rich.Quattrini@jci.com); keene@braunlegal.com  
(keene@braunlegal.com); jbaak@votesolar.org (jbaak@votesolar.org);  
rfagan@synapse-energy.com (rfagan@synapse-energy.com);  
cara.goldenberg@grueneich.com (cara.goldenberg@grueneich.com);  
scott.dayer@ge.com (scott.dayer@ge.com); hudsonr@conedsolutions.com  
(hudsonr@conedsolutions.com); cpospisil@edisonmission.com  
(cpospisil@edisonmission.com); tvitolo@synapse-energy.com (tvitolo@synapse-

energy.com); elusebrink@edisonmission.com (elusebrink@edisonmission.com);  
cschneider@prologis.com (cschneider@prologis.com); marilyn@sbesc.com  
(marilyn@sbesc.com); Pasrich@ColoState.edu (Pasrich@ColoState.edu);  
mgardner@efficiencycouncil.org (mgardner@efficiencycouncil.org);  
PLuckow@Synapse-Energy.com (PLuckow@Synapse-Energy.com);  
KUlrich@foe.org (KUlrich@foe.org); gestrada@krismayeslaw.com  
(gestrada@krismayeslaw.com); FairbanksA@ConEdSolutions.com  
(FairbanksA@ConEdSolutions.com); charles.purshouse@camcoglobal.com  
(charles.purshouse@camcoglobal.com); atorbin@prologis.com  
(atorbin@prologis.com); adaberko@starwood.com (adaberko@starwood.com);  
rwilson@synapse-energy.com (rwilson@synapse-energy.com);  
snichols@summitpower.com (snichols@summitpower.com);  
dariush@shirconsultants.com (dariush@shirconsultants.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);  
rsb@worldbusiness.org (rsb@worldbusiness.org); jshields@ssjid.com  
(jshields@ssjid.com); cpuc-r1203014@olivineinc.com (cpuc-  
r1203014@olivineinc.com); greg.blue@sbcglobal.net (greg.blue@sbcglobal.net);  
venskus@lawsv.com (venskus@lawsv.com); jcandelaria@aspenerg.com  
(jcandelaria@aspenerg.com); sfoley@ggu.edu (sfoley@ggu.edu); ndivekar@synapse-  
energy.com (ndivekar@synapse-energy.com); Peck, David B.  
(david.peck@cpuc.ca.gov); Ungson, Chris (chris.ungson@cpuc.ca.gov); Ungson,  
Chris (chris.ungson@cpuc.ca.gov); Gamson, David M.  
(david.gamson@cpuc.ca.gov); Skinner, Nathaniel (nathaniel.skinner@cpuc.ca.gov);  
Chow, Lily (lily.chow@cpuc.ca.gov); Ouyang, Ke Hao  
(kehao.ouyang@cpuc.ca.gov); Lee, Rebecca Tsai-Wei (rebecca.lee@cpuc.ca.gov);  
Parrillo, Jordan (jordan.parrillo@cpuc.ca.gov); Rogers, Nika  
(nika.rogers@cpuc.ca.gov); Spencer, Peter (peter.spencer@cpuc.ca.gov); Simon,  
Sean A. (sean.simon@cpuc.ca.gov); Lukins, Chloe (chloe.lukins@cpuc.ca.gov);  
Lakhchaura, Megha (megha.lakhchaura@cpuc.ca.gov); eddyconsulting@gmail.com  
(eddyconsulting@gmail.com); mpryor@energy.state.ca.us  
(mpryor@energy.state.ca.us); 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); Hieta, Karin M. (karin.hieta@cpuc.ca.gov);  
White, Keith D. (keith.white@cpuc.ca.gov); Franz, Damon A.  
(damon.franz@cpuc.ca.gov); Poirier, Marcelo (marcelo.poirier@cpuc.ca.gov);  
Khosrowjah, Sepideh (sepideh.khosrowjah@cpuc.ca.gov); Lasko, Yakov  
(yakov.lasko@cpuc.ca.gov); jack@casaraquel.com (jack@casaraquel.com);  
Randolph, Edward F. (edward.randolph@cpuc.ca.gov); Velasquez, Carlos A.  
(carlos.velasquez@cpuc.ca.gov); O'Donnell, Arthur J.  
(Arthur.O'Donnell@cpuc.ca.gov); Kao, Valerie (valerie.kao@cpuc.ca.gov); Kito,  
Michele (michele.kito@cpuc.ca.gov); Siao, David (David.Siao@cpuc.ca.gov);  
Stevens, Brian (brian.stevens@cpuc.ca.gov); Sterkel, Merideth "Molly"

(MeridethMolly.Sterkel@cpuc.ca.gov); Wecker, Alan (Alan.Wecker@cpuc.ca.gov); Gupta, Alope (aloke.gupta@cpuc.ca.gov); connie.leni@energy.ca.gov (connie.leni@energy.ca.gov); mike.jaske@energy.state.ca.us (mike.jaske@energy.state.ca.us); Charkowicz, Ed (ed.charkowicz@cpuc.ca.gov); Bichkoff, Lewis (Lewis.Bichkoff@cpuc.ca.gov); peter.cavan@pulseenergy.com (peter.cavan@pulseenergy.com); Young, Patrick (Patrick.Young@cpuc.ca.gov); Ketabi, Noushin (Noushin.Ketabi@cpuc.ca.gov); fraser@ieta.org (fraser@ieta.org); Ciupagea, Radu (radu.ciupagea@cpuc.ca.gov); lschwartz@raponline.org (lschwartz@raponline.org); Nakamura, Kevin S. (kevin.nakamura@cpuc.ca.gov); Cole, Alexander (Alexander.Cole@cpuc.ca.gov)

Cc:

Bcc:

Subject: R.12-03-014: SONGS Out assumption adopted in 4 Track 2 Scenarios

Dear R.12-03-014,

Pursuant to the “Revision to Replicating TPP Scenario” filed by the CAISO on July, 11 2013 and the “Administrative Law Judge’s Ruling Regarding Track 4 Motions and Track 2 Models” issued by ALJ Gamson on June 27, 2013 stipulating that SONGS be removed from the High DG/DSM scenario, CPUC staff is publishing updated versions of the “Scenario Tool” and companion “Summary Data of Revised Scenarios”.

The assumptions described in the “Scenario Matrix” were changed to reflect ‘middle’ level nuclear retirement in the following four LTPP Track 2 scenarios:

- Replicating TPP
- Replicating TPP + DR
- High DG/DSM
- High DG 40% RPS

Attached are copies of the “Scenario Tool v6”, and the companion “Summary Data of Revised Scenarios v6” which describes the assumptions adopted in each scenario. These files will also be available on the [LTPP website](#) within one week.

Regards,

Sasha Cole

Sasha Cole , Regulatory Analyst

Generation and Transmission Planning

California Public Utilities Commission

505 Van Ness Ave, San Francisco CA 94102

415 703 5355