

From: Matthew Freedman

Sent: 10/14/2013 3:28:30 PM

Adam.Gusman@GlacialEnergy.com (Adam.Gusman@GlacialEnergy.com); Lopes, Sallie A. (slopes@winston.com); marcusdacunha@hotmail.com (marcusdacunha@hotmail.com); Andrew.Wang@SolarReserve.com (Andrew.Wang@SolarReserve.com); ktreleven@gmail.com (ktreleven@gmail.com); lbond@rwglaw.com (lbond@rwglaw.com); Sierra Martinez (smartinez@nrdc.org); Sahm White (sahm@clean-coalition.org); blaising@braunlegal.com Blaising (blaising@braunlegal.com); tam.hunt@gmail.com Hunt (tam.hunt@gmail.com); rick_noger@praxair.com (rick_noger@praxair.com); mmazur@3PhasesRenewables.com (mmazur@3PhasesRenewables.com); igoodman@commerceenergy.com (igoodman@commerceenergy.com); kb@EnerCalUSA.com (kb@EnerCalUSA.com); TPhillips@TigerNaturalGas.com (TPhillips@TigerNaturalGas.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); AKaplan@BrownRudnick.com (AKaplan@BrownRudnick.com); proceedings@psrec.coop (proceedings@psrec.coop); awilliams@libertypowercorp.com (awilliams@libertypowercorp.com); p.shepard@dgc-us.com (p.shepard@dgc-us.com); kwd@vnf.com (kwd@vnf.com); douglass@energyattorney.com Douglass (douglass@energyattorney.com); AIMEE SMITH (amsmith@semprautilities.com); Cherry, Brian K (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=BKC7); sdhilton@stoel.com (sdhilton@stoel.com); mtierney-lloyd@enernoc.com (mtierney-lloyd@enernoc.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); sue.mara@RTOadvisors.com (sue.mara@RTOadvisors.com); dorth@krcd.org (dorth@krcd.org); jstoddard@manatt.com (jstoddard@manatt.com); mmattes@nossaman.com (mmattes@nossaman.com); martin.kadillak@shell.com (martin.kadillak@shell.com); daking@semprausgp.com (daking@semprausgp.com); proceedings@megawattsf.com (proceedings@megawattsf.com); Theresa Mueller (Theresa.Mueller@sfgov.org); STomec@CapitalPower.com (STomec@CapitalPower.com); ravage@ieta.org (ravage@ieta.org); kristine@SoCalTelephone.com (kristine@SoCalTelephone.com); David.A.Peffer@gmail.com (David.A.Peffer@gmail.com); MDay (MDay@goodinmacbride.com); Edward O'Neill (edwardoneill@dwt.com); Deborah Behles (dbehles@ggu.edu); Cottle, Lisa A. (LCottle@winston.com); Diana Lee (dil@cpuc.ca.gov); nes@a-klaw.com Sheriff (nes@a-klaw.com); ek@a-klaw.com Kahl (ek@a-klaw.com); Will Rostov (wrostov@earthjustice.org); Greg Bass (gbass@noblesolutions.com); liddell@energyattorney.com Liddell

To:

(liddell@energyattorney.com); Marc Joseph (mdjoseph@adamsbroadwell.com); andrea.morrison@directenergy.com Morrison (andrea.morrison@DirectEnergy.com); William D. Kissinger (william.kissinger@bingham.com); RegRelCPUCCases (/O=PG&E/OU=Corporate/cn=Recipients/cn=RegRelCPUCCases); gmorris@emf.net (gmorris@emf.net); Pagedar, Sujata (/O=PG&E/OU=Corporate/cn=Recipients/cn=sxpg); Huffman, Mark (Law) (/O=PG&E/OU=Corporate/cn=Recipients/cn=MRH2); 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); cte@eslawfirm.com (cte@eslawfirm.com); Erin.Grizard@BloomEnergy.com (Erin.Grizard@BloomEnergy.com); Diane.Fellman@nrgenergy.com (Diane.Fellman@nrgenergy.com); californiadockets@pacificorp.com (californiadockets@pacificorp.com); ddavie@wellhead.com (ddavie@wellhead.com); JChamberlin@LSPower.com (JChamberlin@LSPower.com); wmc@a-klaw.com (wmc@a-klaw.com); julien.dumoulin-smith@ubs.com (julien.dumoulin-smith@ubs.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); 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); oliviapara@dwt.com (oliviapara@dwt.com); ksoutherland@tas.com (ksoutherland@tas.com); rfo@sovereignenergy.net (rfo@sovereignenergy.net); margaret.miller@brookfieldrenewable.com (margaret.miller@brookfieldrenewable.com); dkates@sonic.net (dkates@sonic.net); Ron Liebert (rl@eslawfirm.com); Jody London (jody_london_consulting@earthlink.net); Laura Wisland (lwisland@ucsusa.org); anfanzon@semprautilities.com (anfanzon@semprautilities.com); andra.pligavko@gmail.com (andra.pligavko@gmail.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); michael.evans@shell.com (michael.evans@shell.com); David.Weidberg@jci.com (David.Weidberg@jci.com); d.hicks@dgc-us.com (d.hicks@dgc-us.com); dfelix@northlightpower.com (dfelix@northlightpower.com); Sara Steck Myers (ssmyers@att.net); Lynn Haug (lmh@eslawfirm.com); Tom Beach (tomb@crossborderenergy.com); Jamie L. Mauldin (jmauldin@adamsbroadwell.com); Dyana Delfin-Polk (Dyana@clean-coalition.org); Steve Zuretti (SZuretti@seia.org); Jerry Brown (jbbrown@gate.net); rachel mcmahon (mcmahon.rachel@gmail.com); Matthew Barmack (matthew.barmack@calpine.com); Margie Gardner (mgardner@efficiencycouncil.org); Larry Chaset (lchaset@keyesandfox.com); Tam Hunt (tam@clean-coalition.org); John Geesman (John@dicksongeesman.com); NANCY RADER (nrader@calwea.org); ROBIN SMUTNY-JONES (Robin.Smutny-Jones@IberdrolaRen.com); janreid@coastecon.com Reid (janreid@coastecon.com);

JLeslie@McKennaLong.com Leslie (JLeslie@McKennaLong.com); kmills@cfbf.com Karen (kmills@cfbf.com); Bob Gex (bobgex@dwt.com); Judith Sanders (jsanders@caiso.com); Steph@Clean-Coalition.org Wang (Steph@clean-coalition.org); Dan Patry (dan.patry@recurrentenergy.com); wem@igc.org George (wem@igc.org); sswaroop@marinenergy.com Swaroop (sswaroop@MarinEnergy.com); Ekelly@MarinEnergy.com Kelly (Ekelly@MarinEnergy.com); 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); 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); adam.green@solarreserve.com (adam.green@solarreserve.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); dgrandy@caonsitegen.com (dgrandy@caonsitegen.com); martinhomec@gmail.com (martinhomec@gmail.com); pmaxwell@navigantconsulting.com (pmaxwell@navigantconsulting.com); Monica.Schwebs@bingham.com (Monica.Schwebs@bingham.com); ccollins@Energystrat.com (ccollins@Energystrat.com); brian.theaker@nrgenergy.com (brian.theaker@nrgenergy.com); carol.schmidfrazee@sce.com (carol.schmidfrazee@sce.com); pushkarwagle@flynnrci.com (pushkarwagle@flynnrci.com); dwang@nrdc.org (dwang@nrdc.org); pcort@earthjustice.org (pcort@earthjustice.org); Jarman, Thomas A (/O=PG&E/OU=Corporate/cn=Recipients/cn=TAJ8); philm@scdenergy.com (philm@scdenergy.com); bspeckman@nexant.com (bspeckman@nexant.com); aes_ltp@aes.com (aes_ltp@aes.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); nicole@braunlegal.com (nicole@braunlegal.com); sean.beatty@nrgenergy.com (sean.beatty@nrgenergy.com); policy@efficiencycouncil.org (policy@efficiencycouncil.org); mstamas@nrdc.org (mstamas@nrdc.org); 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); sbailey@semprausgp.com
(sbailey@semprausgp.com); kimjohnson@ebarton.com
(kimjohnson@ebarton.com); irene@igc.org (irene@igc.org); ericg@votesolar.org
(ericg@votesolar.org); ehsieh@a123systems.com (ehsieh@a123systems.com);
CatherineSullivan@yahoo.com (CatherineSullivan@yahoo.com);
CSummers@SempraUtilities.com (CSummers@SempraUtilities.com);
TCSaile@SempraUtilities.com (TCSaile@SempraUtilities.com);
Berlinski@BeaconPower.com (Berlinski@BeaconPower.com); Greenacre, Wade
(/O=PG&E/OU=Corporate/cn=Recipients/cn=WAG9);
CalConsumersAlliance@gmail.com (CalConsumersAlliance@gmail.com);
WJKeese@aol.com (WJKeese@aol.com); chris.hendrix@wal-mart.com
(chris.hendrix@wal-mart.com); James.J.Hirsch@gmail.com
(James.J.Hirsch@gmail.com); Steven Kelly (Steven@iepa.com);
fred.wellington@navigantconsulting.com
(fred.wellington@navigantconsulting.com); ygoomez@libertypowercorp.com
(ygoomez@libertypowercorp.com); sarah.barker-ball@bingham.com (sarah.barker-
ball@bingham.com); dhou@caiso.com (dhou@caiso.com);
Mobasher@ElectricPowerGroup.com (Mobasher@ElectricPowerGroup.com);
Rich.Quattrini@jci.com (Rich.Quattrini@jci.com); keene@braunlegal.com
(keene@braunlegal.com); 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); SLiu@caiso.com (SLiu@caiso.com);
cpospasil@edisonmission.com (cpospasil@edisonmission.com); tvitolo@synapse-
energy.com (tvitolo@synapse-energy.com); cschneider@prologis.com
(cschneider@prologis.com); marilyn@sbesc.com (marilyn@sbesc.com);
Pasrich@ColoState.edu (Pasrich@ColoState.edu); PLuckow@Synapse-Energy.com
(PLuckow@Synapse-Energy.com); gestrada@krismayeslaw.com
(gestrada@krismayeslaw.com); FairbanksA@ConEdSolutions.com
(FairbanksA@ConEdSolutions.com); ty@tosdallaw.com (ty@tosdallaw.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);
tbailey@rwglaw.com (tbailey@rwglaw.com); ronknecht@aol.com
(ronknecht@aol.com); eszalkowski@cleanlineenergy.com
(eszalkowski@cleanlineenergy.com); amanda.klopf@sce.com
(amanda.klopf@sce.com); DZizmor@ggu.edu (DZizmor@ggu.edu);
nick@ethree.com (nick@ethree.com); JCorbelli@ggu.edu (JCorbelli@ggu.edu);
cpuc-r1203014@olivineinc.com (cpuc-r1203014@olivineinc.com);
BBirdsall@aspenerg.com (BBirdsall@aspenerg.com); greg.blue@sbcglobal.net
(greg.blue@sbcglobal.net); SFOCPUCDockets (dwtcpucdockets@dwt.com); SHong
(SHong@goodinmacbride.com); Vidhya Prabhakaran
(vidhyaprabhakaran@dwt.com); James A. Ross (jimross@r-c-s-inc.com); Shana
Lazerow (slazerow@cbeal.org); Beth Vaughan (beth@beth411.com); Kevin

Woodruff (kdw@woodruff-expert-services.com); dmarcus2@sbcglobal.net (ABJ&C) (dmarcus2@sbcglobal.net); Adenike Adeyeye (aadeyeye@earthjustice.org); Jim Baak (jbaak@votesolar.org); Sarah Friedman (Sarah.Friedman@SierraClub.org); Andy Schwartz (aschwartz@solarcity.com); Jim Caldwell (jhcaldwelljr@gmail.com); Thad Culley (tculley@kfwlaw.com); Dariush Shirmohammadi (dariush@shirconsultants.com); david@ceert.org Miller (david@ceert.org); AHMAD FARUQUI (ahmad.faruqui@brattle.com); Jeff Shields (jshields@ssjid.com); JWaen@MarinEnergy.com Waen (JWaen@MarinEnergy.com); Jennifer E Pierce (jpierce@SempraUtilities.com); Kim Daniel (daniel.h.kim@me.com); TLindl@kfwlaw.com Lindl (TLindl@kfwlaw.com); agerterlinda@gmail.com Agerter (agerterlinda@gmail.com); Remedios Santos (rpsantos@SempraUtilities.com); rsb@worldbusiness.org Brutoco (rsb@worldbusiness.org); Dave Freeman (GreenCowboySDF@gmail.com); KUlrich@foe.org Ulrich (KUlrich@foe.org); glw@eslawfirm.com (glw@eslawfirm.com); dkk@eslawfirm.com (dkk@eslawfirm.com); sgp@eslawfirm.com (sgp@eslawfirm.com); mpryor@energy.state.ca.us (mpryor@energy.state.ca.us); djurijew@capitalpower.com (djurijew@capitalpower.com); atrowbridge@daycartermurphy.com (atrowbridge@daycartermurphy.com); dws@r-c-s-inc.com (dws@r-c-s-inc.com); skh@cpuc.ca.gov (skh@cpuc.ca.gov); jack@casaraquel.com (jack@casaraquel.com); ao1@cpuc.ca.gov (ao1@cpuc.ca.gov); Rachel@largescalesolar.org (Rachel@largescalesolar.org); cbk@eslawfirm.com (cbk@eslawfirm.com); efr@cpuc.ca.gov (efr@cpuc.ca.gov); wtr@cpuc.ca.gov (wtr@cpuc.ca.gov); los@cpuc.ca.gov (los@cpuc.ca.gov); mk1@cpuc.ca.gov (mk1@cpuc.ca.gov); iak@cpuc.ca.gov (iak@cpuc.ca.gov); kho@cpuc.ca.gov (kho@cpuc.ca.gov); sst@cpuc.ca.gov (sst@cpuc.ca.gov); abb@eslawfirm.com Brown (abb@eslawfirm.com); ag2@cpuc.ca.gov (ag2@cpuc.ca.gov); aw3@cpuc.ca.gov (aw3@cpuc.ca.gov); ds1@cpuc.ca.gov (ds1@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); mm2@cpuc.ca.gov (mm2@cpuc.ca.gov); lb5@cpuc.ca.gov (lb5@cpuc.ca.gov); dmg@cpuc.ca.gov (dmg@cpuc.ca.gov); phs@cpuc.ca.gov (phs@cpuc.ca.gov); ynl@cpuc.ca.gov (ynl@cpuc.ca.gov); brc@cpuc.ca.gov (brc@cpuc.ca.gov); peter.cavan@pulseenergy.com (peter.cavan@pulseenergy.com); fraser@ieta.org (fraser@ieta.org); lschwartz@raponline.org (lschwartz@raponline.org); kev@cpuc.ca.gov (kev@cpuc.ca.gov); cu2@cpuc.ca.gov (cu2@cpuc.ca.gov); Lily Chow (lily.chow@cpuc.ca.gov); rc5@cpuc.ca.gov (rc5@cpuc.ca.gov); vuk@cpuc.ca.gov (vuk@cpuc.ca.gov); Julie A. Fitch (jf2@cpuc.ca.gov); ac3@cpuc.ca.gov (ac3@cpuc.ca.gov); xl2@cpuc.ca.gov (xl2@cpuc.ca.gov); py2@cpuc.ca.gov (py2@cpuc.ca.gov); Shannon Eddy (eddyconsulting@gmail.com); Jordan Parrillo (jordan.parrillo@cpuc.ca.gov); Karin M. Hieta (kar@cpuc.ca.gov); Marcelo Poirier (mpo@cpuc.ca.gov); Michel Peter Florio (mike.florio@cpuc.ca.gov); df1@cpuc.ca.gov Franz (df1@cpuc.ca.gov); nk1@cpuc.ca.gov (nk1@cpuc.ca.gov); dbp@cpuc.ca.gov (CPUC) (DBP@cpuc.ca.gov); Nika Rogers (DRA) (nlr@cpuc.ca.gov); Chloe Lukins (CPUC) (clu@cpuc.ca.gov); Keith White (CPUC) (kwh@cpuc.ca.gov); Sean Simon

(CPUC) (svn@cpuc.ca.gov); jg5@cpuc.ca.gov (jg5@cpuc.ca.gov);
william.dietrich@cpuc.ca.gov (william.dietrich@cpuc.ca.gov); Ed Charkowicz
(CPUC) (eac@cpuc.ca.gov); mts@cpuc.ca.gov Sterkel (mts@cpuc.ca.gov); Megha -
CPUC Lakhchaura (mla@cpuc.ca.gov)

Cc:

Bcc:

Subject: R.12-03-014 (Track 4) -- Rebuttal testimony of Kevin Woodruff on behalf of TURN

Parties to R.12-03-014,

The rebuttal testimony of Kevin Woodruff addressing Track 4 issues on behalf of The Utility Reform Network (TURN) is attached. Please let me know if you have any problems opening the document.

Matthew Freedman
Staff Attorney
The Utility Reform Network
matthew@turn.org
415-954-8084