

From: Skinner, Nathaniel

Sent: 3/25/2013 11:48:20 AM

'liddell@energyattorney.com' (liddell@energyattorney.com);
'jleslie@McKennaLong.com' (jleslie@McKennaLong.com); 'matthew@turn.org'
(matthew@turn.org); 'tdarton@pilotpowergroup.com'
(tdarton@pilotpowergroup.com); 'lwisland@ucsusa.org' (lwisland@ucsusa.org);
'rick_noger@praxair.com' (rick_noger@praxair.com); 'ehsieh@a123systems.com'
(ehsieh@a123systems.com); 'AKaplan@BrownRudnick.com'
(AKaplan@BrownRudnick.com); 'whitney@clean-coalition.org' (whitney@clean-
coalition.org); 'mike_windpower@yahoo.com' (mike_windpower@yahoo.com);
'douglass@energyattorney.com' (douglass@energyattorney.com);
'igoodman@commerceenergy.com' (igoodman@commerceenergy.com);
'rkmoore@gswater.com' (rkmoore@gswater.com); 'cathy.karlstad@sce.com'
(cathy.karlstad@sce.com); 'cpacc@calpine.com' (cpacc@calpine.com);
'KSEngineers@aol.com' (KSEngineers@aol.com); 'lflowers111@gmail.com'
(lflowers111@gmail.com); 'katherine.krause@DirectEnergy.com'
(katherine.krause@DirectEnergy.com); 'adam.green@solarreserve.com'
(adam.green@solarreserve.com); 'GBass@NobleSolutions.com'
(GBass@NobleSolutions.com); 'hal@AltonEnergy.com' (hal@AltonEnergy.com);
'info@3phasesrenewables.com' (info@3phasesrenewables.com);
To: 'MbeLively@aol.com' (MbeLively@aol.com); 'GBenson@perkinscoie.com'
(GBenson@perkinscoie.com); 'karlk@dietzedavis.com' (karlk@dietzedavis.com);
'kim.johnson@riverbankpower.com' (kim.johnson@riverbankpower.com); Huffman,
Mark (Law) (/O=PG&E/OU=Corporate/cn=Recipients/cn=MRH2); Thomas, Sarah
R. (sarah.thomas@cpuc.ca.gov); 'abb@eslawfirm.com' (abb@eslawfirm.com);
'nes@a-klaw.com' (nes@a-klaw.com); 'jeanne.sole@sfgov.org'
(jeanne.sole@sfgov.org); 'mdjoseph@adamsbroadwell.com'
(mdjoseph@adamsbroadwell.com); 'GloriaB@anzaelectric.org'
(GloriaB@anzaelectric.org); 'BCragg@GoodinMacbride.com'
(BCragg@GoodinMacbride.com); 'vidhyaprabhakaran@dwt.com'
(vidhyaprabhakaran@dwt.com); Reid, Alice L (Law)
(/O=PG&E/OU=Corporate/cn=Recipients/cn=ALR4);
'tomb@crossborderenergy.com' (tomb@crossborderenergy.com);
'ames_doug@yahoo.com' (ames_doug@yahoo.com); 'JWaen@MarinEnergy.com'
(JWaen@MarinEnergy.com); 'ssmyers@att.net' (ssmyers@att.net);
'njohnson@consumercal.org' (njohnson@consumercal.org); 'mtierney-
lloyd@enernoc.com' (mtierney-lloyd@enernoc.com); 'wrostov@earthjustice.org'
(wrostov@earthjustice.org); 'gmorris@emf.net' (gmorris@emf.net);
'Andrea.Morrison@DirectEnergy.com' (Andrea.Morrison@DirectEnergy.com);
'kelly@votesolar.org' (kelly@votesolar.org); 'barmackm@calpine.com'
(barmackm@calpine.com); 'ATrial@SempraUtilities.com'
(ATrial@SempraUtilities.com); 'dorth@krcd.org' (dorth@krcd.org);
'toconnor@edf.org' (toconnor@edf.org); 'dansvec@hdo.net' (dansvec@hdo.net);
'knakatani@calhrc.org' (knakatani@calhrc.org); 'dkates@sonic.net'
(dkates@sonic.net); 'proceedings@megawatts.com'

(proceedings@megawatts.com); 'AHaubenstock@PerkinsCoie.com'
(AHaubenstock@PerkinsCoie.com); 'SLowe@EagleCrestEnergy.com'
(SLowe@EagleCrestEnergy.com); 'gotschall@ti-sd.com' (gotschall@ti-sd.com);
'bgross@caiso.com' (bgross@caiso.com); RegRelCPUCCases
(/O=PG&E/OU=Corporate/cn=Recipients/cn=RegRelCPUCCases);
'mrw@mrwassoc.com' (mrw@mrwassoc.com); 'blaising@braunlegal.com'
(blaising@braunlegal.com); 'amber.wyatt@sce.com' (amber.wyatt@sce.com);
'klatt@energyattorney.com' (klatt@energyattorney.com);
'diane.fellman@nrgenergy.com' (diane.fellman@nrgenergy.com);
'californiadockets@pacificorp.com' (californiadockets@pacificorp.com);
'DWTCPUCDOCKETS@dwt.com' (DWTCPUCDOCKETS@dwt.com);
'spauker@wsgr.com' (spauker@wsgr.com); 'sephra.ninow@energycenter.org'
(sephra.ninow@energycenter.org); 'sean.beatty@nrgenergy.com'
(sean.beatty@nrgenergy.com); 'michelle.d.grant@dynegy.com'
(michelle.d.grant@dynegy.com); 'bmarshall@psrec.coop' (bmarshall@psrec.coop);
'jack@casaraquel.com' (jack@casaraquel.com); 'akbar.jazayeri@sce.com'
(akbar.jazayeri@sce.com); 'steven.huhman@morganstanley.com'
(steven.huhman@morganstanley.com); 'ttutt@smud.org' (ttutt@smud.org);
'clamasbabbini@comverge.com' (clamasbabbini@comverge.com);
'david@nemtow.com' (david@nemtow.com); 'TJS@CYP-RES.com' (TJS@CYP-
RES.com); 'lwhouse@innercite.com' (lwhouse@innercite.com);
'dadams@viridityenergy.com' (dadams@viridityenergy.com);
'janderson@viridityenergy.com' (janderson@viridityenergy.com);
'Erin.Grizard@BloomEnergy.com' (Erin.Grizard@BloomEnergy.com); 'klr@a-
klaw.com' (klr@a-klaw.com); 'tam@communityrenewables.biz'
(tam@communityrenewables.biz); 'Richard.S.Flood@jci.com'
(Richard.S.Flood@jci.com); 'sahm@clean-coalition.org' (sahm@clean-
coalition.org); 'dyana@clean-coalition.org' (dyana@clean-coalition.org);
'anfanon@semprautilities.com' (anfanon@semprautilities.com);
'berlinski@beaconpower.com' (berlinski@beaconpower.com);
'margaret.miller@brookfieldrenewable.com'
(margaret.miller@brookfieldrenewable.com); 'ddivine@eaglecrestenergy.com'
(ddivine@eaglecrestenergy.com); 'janmcfar@sonic.net' (janmcfar@sonic.net);
'cpuc@primuspower.com' (cpuc@primuspower.com); 'nodonovan@lrenergy.com'
(nodonovan@lrenergy.com); 'rfo@sovereignenergy.net' (rfo@sovereignenergy.net);
'WJKeese@aol.com' (WJKeese@aol.com); 'SDavis@kngrid.com'
(SDavis@kngrid.com); 'jlin@strategen.com' (jlin@strategen.com);
'andra.pligavko@gmail.com' (andra.pligavko@gmail.com);
'skincaid@makerscapital.com' (skincaid@makerscapital.com);
'mdetsky@dietzedavis.com' (mdetsky@dietzedavis.com);
'jspilman@gridflexenergy.com' (jspilman@gridflexenergy.com);
'rokeefe@xtremepower.com' (rokeefe@xtremepower.com); 'pdarcy@sna.sanyo.com'
(pdarcy@sna.sanyo.com); 'pcarson@energycentral.com'
(pcarson@energycentral.com); 'mehta.associates@ymail.com'
(mehta.associates@ymail.com); 'nellie.tong@dnvkema.com'
(nellie.tong@dnvkema.com); 'yu@beaconpower.com' (yu@beaconpower.com);

'praveen.kathpal@aes.com' (praveen.kathpal@aes.com); 'AAmirali@starwood.com'
(AAmirali@starwood.com); 'msloustcher@codaelectric.com'
(msloustcher@codaelectric.com); 'abrown@xtremepower.com'
(abrown@xtremepower.com); 'tandrews@calmac.com' (tandrews@calmac.com);
'jbryan@codaelectric.com' (jbryan@codaelectric.com);
'michael.stelts@panasonic.com' (michael.stelts@panasonic.com);
'n.davidson@renewableanalytics.com' (n.davidson@renewableanalytics.com);
'usappk@gmail.com' (usappk@gmail.com); 'steve.eckert@BrookfieldPower.com'
(steve.eckert@BrookfieldPower.com); 'Capp@GridStorageConsulting.com'
(Capp@GridStorageConsulting.com); 'rspolek@besciences.com'
(rspolek@besciences.com); 'JJudson-mcqueeney@ces-ltd.com' (JJudson-
mcqueeney@ces-ltd.com); 'csullivan@zbbenergy.com' (csullivan@zbbenergy.com);
Cherry, Brian K (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=BKC7);
Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Haertle, Steve
(/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=SRH1); Peck, David B.
(david.peck@cpuc.ca.gov); Singh, Devla (devla.singh@cpuc.ca.gov); Villarreal,
Christopher (christopher.villarreal@cpuc.ca.gov); Cotroneo, Eileen
(/O=PG&E/OU=Corporate/cn=Recipients/cn=EFM2); Roberts, Thomas
(thomas.roberts@cpuc.ca.gov); Gonzales, Matthew
(/O=PG&E/OU=Corporate/cn=Recipients/cn=MRGg); Pagedar, Sujata
(/O=PG&E/OU=Corporate/cn=Recipients/cn=sxpg); Lee, Rebecca Tsai-Wei
(rebecca.lee@cpuc.ca.gov); Simon, Jason (jason.simon@cpuc.ca.gov); Lukins,
Chloe (chloe.lukins@cpuc.ca.gov); Momoh, Rahmon O.
(rahmon.momoh@cpuc.ca.gov); Hieta, Karin M. (karin.hieta@cpuc.ca.gov); White,
Keith D. (keith.white@cpuc.ca.gov); 'atrowbridge@daycartermurphy.com'
(atrowbridge@daycartermurphy.com); 'cem@newsdata.com' (cem@newsdata.com);
'rvn@a-klaw.com' (rvn@a-klaw.com); 'joyw@mid.org' (joyw@mid.org);
'case.admin@sce.com' (case.admin@sce.com); 'CentralFiles@SempraUtilities.com'
(CentralFiles@SempraUtilities.com); 'filings@a-klaw.com' (filings@a-klaw.com);
'dgrandy@caonsitegen.com' (dgrandy@caonsitegen.com); Yip-Kikugawa, Amy C.
(amy.yip-kikugawa@cpuc.ca.gov); O'Donnell, Arthur J.
(Arthur.O'Donnell@cpuc.ca.gov); Levin, Robert (robert.levin@cpuc.ca.gov); Patwa,
Daidipya (/O=PG&E/OU=Corporate/cn=Recipients/cn=D2PA); 'chris@emeter.com'
(chris@emeter.com); Lee, Audrey (audrey.lee@cpuc.ca.gov); Fukui, Lucy
(/O=PG&E/OU=Corporate/cn=Recipients/cn=LGK2); 'lmh@eslawfirm.com'
(lmh@eslawfirm.com); 'juliettea7@aol.com' (juliettea7@aol.com);
'steven@iepa.com' (steven@iepa.com); 'ek@a-klaw.com' (ek@a-klaw.com); Smith,
Christopher (/O=PG&E/OU=Corporate/cn=Recipients/cn=C5SE); Sterkel, Merideth
"Molly" (MeridethMolly.Sterkel@cpuc.ca.gov); Wecker, Alan
(Alan.Wecker@cpuc.ca.gov); Greenacre, Wade
(/O=PG&E/OU=Corporate/cn=Recipients/cn=WAG9); Ghazzagh, Farzad
(farzad.ghazzagh@cpuc.ca.gov); Kalafut, Jennifer (jennifer.kalafut@cpuc.ca.gov);
Al-Mukdad, Wendy (wendy.al-mukdad@cpuc.ca.gov); Gupta, Alope
(aloke.gupta@cpuc.ca.gov); 'sue.mara@rtoadvisors.com'
(sue.mara@rtoadvisors.com); 'marcie.milner@shell.com'
(marcie.milner@shell.com); 'jmauldin@adamsbroadwell.com'

(jmauldin@adamsbroadwell.com); 'TLindl@kfwlaw.com' (TLindl@kfwlaw.com);
'andykatz@sonic.net' (andykatz@sonic.net); 'brian.theaker@nrgenergy.com'
(brian.theaker@nrgenergy.com); 'Ekelly@MarinEnergy.com'
(Ekelly@MarinEnergy.com); 'kdw@woodruff-expert-services.com' (kdw@woodruff-
expert-services.com); 'david@ceert.org' (david@ceert.org); 'rl@eslawfirm.com'
(rl@eslawfirm.com); 'matt.vespa@SierraClub.org' (matt.vespa@SierraClub.org);
'cpuc@libertyutilities.com' (cpuc@libertyutilities.com); 'aschwartz@solarcity.com'
(aschwartz@solarcity.com); 'dchia@solarcity.com' (dchia@solarcity.com);
'jbaird@earthjustice.org' (jbaird@earthjustice.org); 'kowalewskia@calpine.com'
(kowalewskia@calpine.com); 'jim.metropulos@sierraclub.org'
(jim.metropulos@sierraclub.org); 'dbehles@ggu.edu' (dbehles@ggu.edu);
'bmcc@mccarthy.com' (bmcc@mccarthy.com); 'jsanders@caiso.com'
(jsanders@caiso.com); 'e-recipient@caiso.com' (e-recipient@caiso.com);
'sberlin@mccarthy.com' (sberlin@mccarthy.com); 'irene@igc.org'
(irene@igc.org); 'sbeserra@sbcglobal.net' (sbeserra@sbcglobal.net);
'eric@ethree.com' (eric@ethree.com); 'art@ucan.org' (art@ucan.org);
'amber@iepa.com' (amber@iepa.com); 'Monica.Schwebs@bingham.com'
(Monica.Schwebs@bingham.com); 'jderosa@ces-ltd.com' (jderosa@ces-ltd.com);
'shears@ceert.org' (shears@ceert.org); 'HRasool@SempraUtilities.com'
(HRasool@SempraUtilities.com); 'afreifeld@viridityenergy.com'
(afreifeld@viridityenergy.com); 'Nancy.Allred@sce.com' (Nancy.Allred@sce.com);
'ehadley@reupower.com' (ehadley@reupower.com);
'KO'Beirne@semprautilities.com' (KO'Beirne@semprautilities.com);
'mary.wiencke@pacificorp.com' (mary.wiencke@pacificorp.com);
'agassner@enbala.com' (agassner@enbala.com); 'word@altonenergy.com'
(word@altonenergy.com); 'aadeyeye@earthjustice.org'
(aadeyeye@earthjustice.org); 'shaun.logue@brookfieldrenewable.com'
(shaun.logue@brookfieldrenewable.com); 'dan.patry@recurrentenergy.com'
(dan.patry@recurrentenergy.com); 'ericg@votesolar.org' (ericg@votesolar.org);
'CalConsumersAlliance@gmail.com' (CalConsumersAlliance@gmail.com);
'acsmith@stoel.com' (acsmith@stoel.com); 'C Summers@SempraUtilities.com'
(C Summers@SempraUtilities.com); 'paul.stith@greenonramp.com'
(paul.stith@greenonramp.com); 'BOrion@LawyersForCleanEnergy.com'
(BOrion@LawyersForCleanEnergy.com); 'farshid.arman@siemens.com'
(farshid.arman@siemens.com); 'BAdams@EnerVault.com'
(BAdams@EnerVault.com); 'SDeb@EnergyOnLine.com'
(SDeb@EnergyOnLine.com); 'martinc@mid.org' (martinc@mid.org);
'nate.sandvig@enxco.com' (nate.sandvig@enxco.com); 'whholmes@stoel.com'
(whholmes@stoel.com); 'Doug.Hackley@Calenergy.com'
(Doug.Hackley@Calenergy.com); 'cecilia.aguillon@kyocera.com'
(cecilia.aguillon@kyocera.com); 'yaron@voltmetrix.com' (yaron@voltmetrix.com);
'aviramontes@lbl.gov' (aviramontes@lbl.gov); 'kevin.snyder@hdrinc.com'
(kevin.snyder@hdrinc.com); 'dhawkins3@mac.com' (dhawkins3@mac.com);
'sean.kagiyama@nedosv.org' (sean.kagiyama@nedosv.org);
'f.schubert@renewableanalytics.com' (f.schubert@renewableanalytics.com);
'waltnerlaw@gmail.com' (waltnerlaw@gmail.com); 'NThakar@PerkinsCoie.com'

(NThakar@PerkinsCoie.com); 'abining@energy.state.ca.us'
(abining@energy.state.ca.us); 'sreineccius@gmail.com' (sreineccius@gmail.com);
'cpuc-r1012007@olivineinc.com' (cpuc-r1012007@olivineinc.com);
'mary.hemmingsen@brookfieldpower.com'
(mary.hemmingsen@brookfieldpower.com); 'francis.taylor@enersys.com'
(francis.taylor@enersys.com); 'pklauer@caiso.com' (pklauer@caiso.com);
'Jim.Hicks@state.or.us' (Jim.Hicks@state.or.us); 'LManz@tresamigasllc.com'
(LManz@tresamigasllc.com)

Cc:

Bcc:

Subject: R101201007 - Materials for today's workshop (input assumptions)

Storage Parties:

As requested, attached spreadsheet summarizes the input assumptions used in EPRI's analysis.

Aloke Gupta
CPUC