

From: Skinner, Nathaniel  
Sent: 5/3/2012 7:57:38 AM

marcusdacunha@hotmail.com (marcusdacunha@hotmail.com);  
Adam.Gusman@GlacialEnergy.com (Adam.Gusman@GlacialEnergy.com);  
rick\_noger@praxair.com (rick\_noger@praxair.com);  
TPhillips@TigerNaturalGas.com (TPhillips@TigerNaturalGas.com);  
DBodine@LibertyPowerCorp.com (DBodine@LibertyPowerCorp.com);  
cpacc@calpine.com (cpacc@calpine.com); abraham.silverman@nrgenergy.com  
(abraham.silverman@nrgenergy.com); kwd@vnf.com (kwd@vnf.com);  
DBodiine@LibertyPowerCorp.com (DBodiine@LibertyPowerCorp.com);  
victor.m.gonzalez@constellation.com (victor.m.gonzalez@constellation.com);  
liddell@energyattorney.com (liddell@energyattorney.com);  
tdarton@pilotpowergroup.com (tdarton@pilotpowergroup.com);  
mmazur@3PhasesRenewables.com (mmazur@3PhasesRenewables.com);  
douglass@energyattorney.com (douglass@energyattorney.com);  
To: igoodman@commerceenergy.com (igoodman@commerceenergy.com);  
kb@EnerCalUSA.com (kb@EnerCalUSA.com); AMSmith@SempraUtilities.com  
(AMSmith@SempraUtilities.com); gbass@noblesolutions.com  
(gbass@noblesolutions.com); klatt@energyattorney.com  
(klatt@energyattorney.com); Andrew.Wang@SolarReserve.com  
(Andrew.Wang@SolarReserve.com); rkmoore@gswater.com  
(rkmoore@gswater.com); martin.kadillak@shell.com (martin.kadillak@shell.com);  
BRIANF@VEA.COOP (BRIANF@VEA.COOP); akbar.jazayeri@sce.com  
(akbar.jazayeri@sce.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);  
nes@a-klaw.com (nes@a-klaw.com); mtierney-lloyd@enernoc.com (mtierney-  
lloyd@enernoc.com); bcragg@goodinmacbride.com  
(bcragg@goodinmacbride.com); erasmussen@marinenergyauthority.org  
(erasmussen@marinenergyauthority.org); gmorris@emf.net (gmorris@emf.net);  
GloriaB@anzaelectric.org (GloriaB@anzaelectric.org); Huffman, Mark (Law)  
(/O=PG&E/OU=Corporate/cn=Recipients/cn=MRH2);  
mdjoseph@adamsbroadwell.com (mdjoseph@adamsbroadwell.com);  
lwisland@ucsusa.org (lwisland@ucsusa.org); andrea.morrison@directenergy.com  
(andrea.morrison@directenergy.com); sue.mara@RTOadvisors.com  
(sue.mara@RTOadvisors.com); matthew@turn.org (matthew@turn.org);  
jeffgray@dwt.com (jeffgray@dwt.com); Patrick.VanBeek@CommercialEnergy.net  
(Patrick.VanBeek@CommercialEnergy.net); dorth@krcd.org (dorth@krcd.org);  
mcampbell@sfwater.org (mcampbell@sfwater.org); lcottle@winston.com  
(lcottle@winston.com); ek@a-klaw.com (ek@a-klaw.com); Thomas, Sarah R.  
(sarah.thomas@cpuc.ca.gov); JChamberlin@LSPower.com  
(JChamberlin@LSPower.com); mday@goodinmacbride.com  
(mday@goodinmacbride.com); mmattes@nossaman.com  
(mmattes@nossaman.com); theresa.mueller@sfgov.org

(theresa.mueller@sfgov.org); wrostov@earthjustice.org (wrostov@earthjustice.org); agerterlinda@gmail.com (agerterlinda@gmail.com); smartinez@nrdc.org (smartinez@nrdc.org); dbehles@ggu.edu (dbehles@ggu.edu); kristine@SoCalTelephone.com (kristine@SoCalTelephone.com); lchasset@keyesandfox.com (lchasset@keyesandfox.com); kmills@cfbf.com (kmills@cfbf.com); lmh@eslawfirm.com (lmh@eslawfirm.com); jeanne.sole@sfgov.org (jeanne.sole@sfgov.org); brbarkovich@earthlink.net (brbarkovich@earthlink.net); 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); cem@newsdata.com (cem@newsdata.com); case.admin@sce.com (case.admin@sce.com); mrw@mrwassoc.com (mrw@mrwassoc.com); wem@igc.org (wem@igc.org); whb@a-klaw.com (whb@a-klaw.com); bobgex@dwt.com (bobgex@dwt.com); janreid@coastecon.com (janreid@coastecon.com); Gonzales, Matthew (/O=PG&E/OU=Corporate/cn=Recipients/cn=MRGg); kelly@votesolar.org (kelly@votesolar.org); todd.edmister@bingham.com (todd.edmister@bingham.com); DWTCPUCDOCKETS@dwt.com (DWTCPUCDOCKETS@dwt.com); blaising@braunlegal.com (blaising@braunlegal.com); jsanders@caiso.com (jsanders@caiso.com); adam.green@solarreserve.com (adam.green@solarreserve.com); abb@eslawfirm.com (abb@eslawfirm.com); Gong, Alice (/O=PG&E/OU=Corporate/cn=Recipients/cn=AxL3); 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); ccollins@Energystrat.com (ccollins@Energystrat.com); jstoddard@manatt.com (jstoddard@manatt.com); carol.schmidfrazee@sce.com (carol.schmidfrazee@sce.com); matthew.barmack@calpine.com (matthew.barmack@calpine.com); bmarshall@psrec.coop (bmarshall@psrec.coop); pcort@earthjustice.org (pcort@earthjustice.org); dansvec@hdo.net (dansvec@hdo.net); jbaird@earthjustice.org (jbaird@earthjustice.org); WKeilani@SempraUtilities.com (WKeilani@SempraUtilities.com); bspeckman@nexant.com (bspeckman@nexant.com); will.mitchell@cpv.com (will.mitchell@cpv.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); Melissa.Hovsepian@sce.com (Melissa.Hovsepian@sce.com); ahmad.faruqui@brattle.com (ahmad.faruqui@brattle.com); Rachel.McMahon@firstsolar.com (Rachel.McMahon@firstsolar.com); dweisz@co.marin.ca.us (dweisz@co.marin.ca.us); oliviapara@dwt.com (oliviapara@dwt.com); sbailey@semprausgp.com (sbailey@semprausgp.com); irene@igc.org (irene@igc.org); ehsieh@a123systems.com (ehsieh@a123systems.com); aadeyeye@earthjustice.org (aadeyeye@earthjustice.org); margaret.miller@brookfieldrenewable.com

(margaret.miller@brookfieldrenewable.com); Greenacre, Wade (/O=PG&E/OU=Corporate/cn=Recipients/cn=WAG9); CalConsumersAlliance@gmail.com (CalConsumersAlliance@gmail.com); chris.hendrix@wal-mart.com (chris.hendrix@wal-mart.com); andra.pligavko@gmail.com (andra.pligavko@gmail.com); randy.keller@calenergy.com (randy.keller@calenergy.com); rfagan@synapse-energy.com (rfagan@synapse-energy.com); cpospisil@edisonmission.com (cpospisil@edisonmission.com); marilyn@sbesc.com (marilyn@sbesc.com); FairbanksA@ConEdSolutions.com (FairbanksA@ConEdSolutions.com); charles.purshouse@camcoglobal.com (charles.purshouse@camcoglobal.com); adaberko@starwood.com (adaberko@starwood.com); hudson@conedsolutions.com (hudson@conedsolutions.com); RegRelCPUCCases (/O=PG&E/OU=Corporate/cn=Recipients/cn=RegRelCPUCCases); Peck, David B. (david.peck@cpuc.ca.gov); jody\_london\_consulting@earthlink.net (jody\_london\_consulting@earthlink.net); Ungson, Chris (chris.ungson@cpuc.ca.gov); Gamson, David M. (david.gamson@cpuc.ca.gov); glw@eslawfirm.com (glw@eslawfirm.com); Middlekauff, Charles (Law) (/O=PG&E/OU=Corporate/cn=Recipients/cn=CRMd); Chow, Lily (lily.chow@cpuc.ca.gov); Lee, Rebecca Tsai-Wei (rebecca.lee@cpuc.ca.gov); dkk@eslawfirm.com (dkk@eslawfirm.com); Parrillo, Jordan (jordan.parrillo@cpuc.ca.gov); Rogers, Nika (nika.rogers@cpuc.ca.gov); Lukins, Chloe (chloe.lukins@cpuc.ca.gov); Lakhchaura, Megha (megha.lakhchaura@cpuc.ca.gov); kowalewskia@calpine.com (kowalewskia@calpine.com); eddyconsulting@gmail.com (eddyconsulting@gmail.com); steven@iepa.com (steven@iepa.com); mpryor@energy.state.ca.us (mpryor@energy.state.ca.us); djurijew@capitalpower.com (djurijew@capitalpower.com); atowbridge@daycartermurphy.com (atowbridge@daycartermurphy.com); dietrichlaw2@earthlink.net (dietrichlaw2@earthlink.net); bsb@eslawfirm.com (bsb@eslawfirm.com); Hieta, Karin M. (karin.hieta@cpuc.ca.gov); kdw@woodruff-expert-services.com (kdw@woodruff-expert-services.com); sean.beatty@genon.com (sean.beatty@genon.com); brian.theaker@nrgenergy.com (brian.theaker@nrgenergy.com); dmarcus2@sbcglobal.net (dmarcus2@sbcglobal.net); Khosrowjah, Sepideh (sepideh.khosrowjah@cpuc.ca.gov); kristin.b.burford@gmail.com (kristin.b.burford@gmail.com); david@ceert.org (david@ceert.org); pushkarwagle@flynnrci.com (pushkarwagle@flynnrci.com); dwang@nrdc.org (dwang@nrdc.org); slazerow@cbeal.org (slazerow@cbeal.org); philm@scdenenergy.com (philm@scdenenergy.com); cbk@eslawfirm.com (cbk@eslawfirm.com); Siao, David (David.Siao@cpuc.ca.gov); Stevens, Brian (brian.stevens@cpuc.ca.gov); mark.tucker@pacificcorp.com (mark.tucker@pacificcorp.com); connie.leni@energy.ca.gov (connie.leni@energy.ca.gov); mike.jaske@energy.state.ca.us (mike.jaske@energy.state.ca.us); peter.cavan@pulseenergy.com (peter.cavan@pulseenergy.com); Eustace, Claire (claire.eustace@cpuc.ca.gov); Dudney, Kevin (kevin.dudney@cpuc.ca.gov); JWaen@MarinEnergyAuthority.org

(JWaen@MarinEnergyAuthority.org); dws@r-s-c-inc.com (dws@r-s-c-inc.com)

Cc:

Bcc:

Subject: R.12-03-014 - Additional slides for 5/3/12 Workshop on CAISO OTC Studies

Dear R.12-03-014,

Attached are Mark Rothleder's slides on flexibility, the OTC study slides and agenda were sent yesterday.

Best,

Nat

**Nathaniel W. Skinner**

Generation and Transmission Planning

California Public Utilities Commission

415-703-1393 (office)

415-703-1292 (fax)

[nathaniel.skinner@cpuc.ca.gov](mailto:nathaniel.skinner@cpuc.ca.gov)