

From: Peter Tittmann

Sent: 6/14/2013 3:47:26 PM

cpuc@libertyutilities.com (cpuc@libertyutilities.com); Central Files (CentralFiles@semprautilities.com); mrw@mrwassoc.com (mrw@mrwassoc.com); e-recipient@caiso.com (e-recipient@caiso.com); DWTCPUCKETETS@dwt.com (DWTCPUCKETETS@dwt.com); mpr-ca@coolearthsolar.com (mpr-ca@coolearthsolar.com); regulatory@silveradopower.com (regulatory@silveradopower.com); Adam Atkinson-Lewis (adam.lewis@natelenergy.com); Adam Browning (abrowning@votesolar.org); ABRAHAM SILVERMAN (abraham.silverman@nrgenergy.com); Amber Riesenhuber (Amber@iepa.com); ALLISON C. SMITH (acsmith@stoel.com); ADAM GREEN (adam.green@solarreserve.com); ALRINE WILLIAMS (awilliams@LibertyPowerCorp.com); ANDREA MORRISON (andrea.morrison@directenergy.com); Andre Devilbiss (andre.devilbiss@recurrentenergy.com); Al Rosen (albyr24@gmail.com); Andra Pligavko (andra.pligavko@gmail.com); Anders Glader (anders.glader@elpower.com); Adrienne Smith (asmith@tresamigasllc.com); Alex Kang (alex.kang@itron.com); Andre Schmidt (ASchmidt@lacs.org); Alex Martin (amartin@nextlight.com); Adam Schultz (as6@cpuc.ca.gov); Aimee M. Smith (AMSmith@SempraUtilities.com); Alexandra Konieczny (alexandra.konieczny@sutherland.com); Cherry, Brian K (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=BKC7); Vege, Anupama (/O=PG&E/OU=Corporate/cn=Recipients/cn=A1VB); Avis Kowalewski (kowalewskia@calpine.com); Barbara George (wem@igc.org); Billy Blattner (wblattner@semprautilities.com); Beth Vaughan (beth@beth411.com); Andy Katz (andykatz@sonic.net); Ariel Lager (alager@ces-ltd.com); Andrew Luszcz (Andrew.Luszcz@glacialenergy.com); Angelina Galiteva (galiteva@aol.com); Brendon Cussio (Brendon.Cussio@solarsilicon.com); BARBARA R. BARKOVICH (barbara@barkovichandyap.com); BRIAN T. CRAGG (bcragg@GoodinMacBride.com); ANDREW WANG (Andrew.Wang@solarreserve.com); Andrew B. Brown (abb@eslawfirm.com); Ann L. Trowbridge (ATrowbridge@daycartermurphy.com); Andrew J. Van Horn (andy.vanhorn@vhcenergy.com); Arlen Barksdale, Phd (arlenb@desmon-us.com); Anthony Brunello (tbrunello@calstrat.com); Anthony M. Nicola (anthonymnicola@yahoo.com); Angela Gregory (angela.gregory@DirectEnergy.com); Bradley A. Anderson (Bradley.A.Anderson@gmail.com); Andrew Kotch (ako@cpuc.ca.gov); Ari Citrin (acitrin@prosoliana.com); Ben Rees (brees@evomarkets.com); Brian Orion (borion@lawyersforcleanenergy.com); Arno Harris (regulatory\_affairs@recurrentenergy.com); Barry H. Epstein (bepstein@fablaw.com); Ashianna T. Esmail (ashianna.esmail@lw.com); Austin M. Yang (austin.yang@sfgov.org); Anne E. Simon (aes@cpuc.ca.gov); Art Rivera (ARivera@GeoSunEnergy.com); RegRelCPUCCases (/O=PG&E/OU=Corporate/cn=Recipients/cn=RegRelCPUCCases); Middlekauff, Charles (Law) (/O=PG&E/OU=Corporate/cn=Recipients/cn=CRMd); Mason, Cory

(law) (/O=PG&E/OU=Corporate/cn=Recipients/cn=CMMw); Abreu, Carlos (/O=PG&E/OU=Corporate/cn=Recipients/cn=CxAs); Reilly, Brooke A (/O=PG&E/OU=Corporate/cn=Recipients/cn=BARI1); Bruce McLaughlin (McLaughlin@braunlegal.com); Carolyn Kehrein (cmkehrein@ems-ca.com); Chris Leveriza (chris.leveriza@glacialenergy.vi); Daniel Kim (daniel.h.kim@me.com); Craig Lewis (craigermp@gmail.com); Corby Gardner (cgardner@psrec.coop); Carlos Lamas-Babbini (clamasbabbini@comverge.com); Curtis Seymour (cseymour@sunedison.com); Curt Barry (cbarry@iwpnews.com); CASE ADMINISTRATION (case.admin@sce.com); Chloe Lukins (clu@cpuc.ca.gov); CATHIE ALLEN (CaliforniaDockets@pacificorp.com); CONSTANCE LENI (connie.leni@energy.ca.gov); CAITLIN COLLINS LIOTIRIS (ccollins@energystrat.com); CHRISTOPHER SUMMERS (CSummers@semprautilities.com); BRIAN THEAKER (brian.theaker@nrgenergy.com); CHRISTOPHER T. ELLISON (cte@eslawfirm.com); DANIEL JURIJEW (djurijew@capitalpower.com); C. SUSIE BERLIN (berlin@susieberlinlaw.com); Bryan Schweickert (bryan.schweickert@ladwp.com); Dan Patry (dan.patry@recurrentenergy.com); Curtis Kebler (CKebler@SempraGeneration.com); Dan Chia (dchia@solarcity.com); Dan Austin (DAustin@ZGlobal.biz); Camille A. Goulet (GouletCA@email.laccd.edu); Bryan Crabb (bcrabb@calseia.org); Christiana Darlington (cdarling@placer.ca.gov); Daniel A. King (DAKing@SempraGeneration.com); Dan Adler (Dan.adler@calcef.org); Christopher Myers (cg2@cpuc.ca.gov); Christian Mentzel (c.mentzel@cleanenergymaui.com); Charles J. Black (CBlack@riversideca.gov); Curt Roney (curt.roney@sce.com); Chuck Gilfoy (chuck.gilfoy@calenergy.com); Chad Chahbazi (chad@cenergypower.com); Chris King (chris@emeter.com); Charles White (cwhite1@wm.com); Chase Adams (charlesada@gmail.com); Catherine M. Krupka (catherine.krupka@sutherland.com); Daniel Hopper (danrhopper@gmail.com); Charles Chang (cchang@cityofpasadena.net); Christopher Danforth (ctd@cpuc.ca.gov); Clyde Murley (clyde.murley@comcast.net); Clare Laufenberg Gallardo (claufenb@energy.state.ca.us); Carl Steen (csteen@fulbright.com); Carol J. Hurlock (hurlock@water.ca.gov); C. Richard Wylie (wylier@beutlercorp.com); Carrie Thompson (cathompson@anaheim.net); Carrie A. Downey (cadowney@cadowneylaw.com); Daniel V. Gulino (dgulino@ridgewoodpower.com); Cathy A. Karlstad (cathy.karlstad@sce.com); Bruce Perlstein, Ph.D. (bruce.perlstein@navigant.com); Cheryl Ponds (cponds@ci.chula-vista.ca.us); Christopher A. Hilen (chilen@NVEnergy.com); Cynthia Wooten (cwooten@lumenxconsulting.com); Christopher Sherman (Christopher.Sherman@nee.com); Colin Rizzo (cr2@cpuc.ca.gov); Cheryl Lee (CNL@cpuc.ca.gov); Cathy S. Woollums (cswollums@midamerican.com); Lucha, Ed (/O=PG&E/OU=Corporate/cn=Recipients/cn=ELL5); Yan, Jason (/O=PG&E/OU=Corporate/cn=Recipients/cn=JaY2); Doug Davie (ddavie@wellhead.com); James Weil (jweil@aglet.org); Evelyn Kahl (ek@aklaw.com); Gregory L. Wheatland (glw@eslawfirm.com); Jaclyn Marks (jaclyn.marks@cpuc.ca.gov); Jeff Hirsch (jeff.hirsch@doe2.com); Daniel W.

Douglass (douglass@energyattorney.com); Jamie L. Mauldin (jmauldin@adamsbroadwell.com); Erin Grizard (Erin.Grizard@BloomEnergy.com); Iryna Kwasny (iak@cpuc.ca.gov); Erica Brand (ebrand@tnc.org); Greg Bass (gbass@noblesolutions.com); George Wiltsee (george.wiltsee@sce.com); Jamie Nagel (jamie@zglobal.biz); Gretchen Schott (gretchen.schott@bp.com); Jay Corrales (jay@trealestate.net); Eric Cherniss (eric.cherniss@gmail.com); Ian McGowan (imcgowan@3degreesinc.com); Diane Moss (d.moss@renewables100.org); Elizabeth Klebaner (eklebaner@adamsbroadwell.com); Gregg Morris (gmorris@emf.net); Erica Schroeder (ESchroeder@kfwlaw.com); DAVID ORTH (dorth@kred.org); JACQUELINE M. DEROSA (jderosa@ces-ltd.com); JACK STODDARD (JStoddard@manatt.com); JEANNE B. ARMSTRONG (JArmstrong@GoodinMacBride.com); DAVID PECK (DBP@cpuc.ca.gov); JEFFREY P. GRAY (jeffgray@dwt.com); DONALD C. LIDDELL (liddell@energyattorney.com); DONALD SCHOENBECK (dws@r-c-s-inc.com); JEANNE M. SOLE (jeanne.sole@sfgov.org); DESPINA NIEHAUS (DNiehaus@semprautilities.com); INGER GOODMAN (igoodman@commerceenergy.com); JENNIFER CHAMBERLIN (JChamberlin@LSPower.com); GLORIA BRITTON (GloriaB@anzaelectric.org); DOUGLAS K. KERNER (dkk@eslawfirm.com); FRED WELLINGTON (fred.wellington@navigantconsulting.com); Diana L. Lee (dil@cpuc.ca.gov); David Siao (ds1@cpuc.ca.gov); Elizabeth Kelly (ekelly@marinenergy.com); Harry Singh (harry.singh@gs.com); Gurcharan Bawa (gbawa@cityofpasadena.net); Edwin Dearman (edwin.dearman@gexaenergy.com); Erika Schmitt (eschmitt@ces-ltd.com); James Turner (jturner@energysource.us.com); Ed Smeloff (ed.smeloff@sunpowercorp.com); Elizabeth Wright (ej\_wright@oxy.com); Fred G. Yanney (FredYanney@gmail.com); Gene Thomas (gthomas@ecoact.org); Jeff Cox (j.miles.cox@sbcglobal.net); Jeff Guldner (Jeff.Guldner@aps.com); Dorothy Rothrock (drothrock@cmta.net); Emilio E. Varanini, Iii (varanini@sbcglobal.net); Diane I. Fellman (Diane.Fellman@nrgenergy.com); Elena Mello (emello@sppc.com); James L. Byard Ph.D. (DocToxics@aol.com); Gregg Fishman (gfishman@ecoact.org); Janis Lehman (JLehman@anaheim.net); David Vidaver (dvidaver@energy.state.ca.us); Ed Chiang (echiang@elementmarkets.com); David Branchcomb (david@branchcomb.com); Freeman S. Hall (fhall@solarelectricsolutions.com); James McMahon (jcmahon@8760energy.com); David Townley (dtownley@infiniacorp.com); James B. Woodruff (jwoodruff@nextlight.com); Erin Szalskowski (eszalskowski@cleanlineenergy.com); Frederick M. Ortlieb (fortlieb@sandiego.gov); Jared W. Johnson (jared.johnson@lw.com); Jennifer Barnes (Jennifer.Barnes@Navigantconsulting.com); Gabe Petlin (gpetlin@3degreesinc.com); Jan Mcfar (JanMcFar@sonic.net); James P. White (jim\_p\_white@transcanada.com); Eric Thompson (eric@natelenergy.com); Jason Abiecunas (abiecunasjp@bv.com); Heather Raitt (hrait@energy.state.ca.us); Daryl Metz (Daryl.Metz@energy.ca.gov); Jason B. Keyes (jkeyes@kfwlaw.com); Hilary Corrigan (cem@newsdata.com); Georeg Gisel (ggisel@indenergysolutions.com); Devla Singh (dsc@cpuc.ca.gov); Donald E. Osborn (DEOsborn.solar@gmail.com);

Jedediah J. Gibson (jig@eslawfirm.com); Gregory S.G. Klatt (klatt@energyattorney.com); Danielle Osborn-Mills (danielle@ceert.org); Dean A. Kinports (DAKinports@semprautilities.com); Guinness Mcfadden (guinness@pacific.net); Garson Knapp (garson.knapp@gexaenergy.com); Janice Wang (janice.Wang@sce.com); Jeff Meyer (JMeyer@pathfinderwind.com); Jenine Schenk (jenine.schenk@apses.com); Elaine Sison-Lebrilla (esison@smud.org); Fred W. Noble (fwnoble@WintecEnergy.com); Jane E. Luckhardt (jluckhardt@downeybrand.com); David E. Morse (davidmorse9@gmail.com); Gerald T. Robinson (gtrobinson@lbl.gov); Jan Pepper (jpepper@svpower.com); Douglas M. Grandy, P.E. (dgrandy@caonsitegen.com); David Olivares (davido@mid.org); Janice Lin (janice@strategenconsulting.com); James Mueller (muellerj@conedsolutions.com); Docket Coordinator (cpucdockets@keyesandfox.com); Edward A. Mainland (ed.mainland@sierraclub.org); James Haile (JHaile@energy.ca.gov); Dave Ominsky (Ominsky@roadrunner.com); Harold M. Romanowitz (hal@rwitz.net); George Simons (george.simons@itron.com); Jean-Calude Bertet (Jean-Claude.Bertet@ladwp.com); James D. Squeri (jsqueri@goodinmacbride.com); G. Patrick Stoner (pstoner@lgc.org); Hans Isern (hans@silveradopower.com); Jan Mcfarland (jmcfarland@treasurer.ca.gov); David Saul (dsaul@pacificsolar.net); Edward W. O'Neill (edwardoneill@dwt.com); Elizabeth Hadley (ehadley@reupower.com); Hugh Yao (HYao@SempraUtilities.com); Gina Barkalow (gbarkalo@energy.state.ca.us); David L. Huard (dhuard@manatt.com); Jack McNamara (jackmack@suesec.com); Gabriel Herrera (gherrera@energy.state.ca.us); Frank De Rosa (fderosa@nextlight.com); Derek Denniston (Derek@AltaPowerGroup.com); Janine L. Scancarelli (jscancarelli@crowell.com); Eric Osborn (cpacc@calpine.com); Erica Root (erica@gqhlobby.com); Gwenneth O'Hara (gohara@calplg.com); Jason Simon (jls@cpuc.ca.gov); Hilgart, Jessica K (/O=PG&E/OU=Corporate/cn=Recipients/cn=JKHh); Jim Ferguson (jim@govlaw.com); Jody London (jody\_london\_consulting@earthlink.net); Jeremy Waen (JWaen@MarinEnergy.com); Jennifer Chamberlin (JenniferAChamberlin@gmail.com); Jerry Mix (jerry.mix@wattstopper.com); Jennifer Pierce (jpierce@semprautilities.com); Jill Van Dalen (jvandalen@calpine.com); Jennifer Tsao Shigekawa (jennifer.shigekawa@sce.com); Jian Zhang (info@GridX.com); Jim Woodward (jwoodwar@energy.state.ca.us); Jim Stack, Ph.D. (James.Stack@CityofPaloAlto.org)

Cc:

Bcc:

Subject: CPUC SB1122 Service list R.11-05-005

Adam Schultz,

Pleas find attached additional comments on the Black and Veatch Report.

Best regards,

--

Peter Tittmann, Ph.D.  
Center for Forestry  
UC Berkeley  
[pwt@berkeley.edu](mailto:pwt@berkeley.edu)  
o. (510) 665-3518  
c. (707) 383-4069  
web: <http://ucanr.edu/sites/WoodyBiomass/>  
twitter: [@UCBWoodProducts](https://twitter.com/UCBWoodProducts)