

## DOCKETED

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## PSH's Corrections to Arne Olson Testimony

### Evidentiary Hearing Transcript 7.30.14

p. 84, line 13, change "(Inaudible)" to: "I am a partner at Energy and Environmental Economics, Inc., otherwise known as E3, located in San Francisco."

p. 86, line 5, change "throughout the state policy argument here" to "throughout my statement here"

p. 86, line 8, change "I'll ask" to "he asks"

p. 86, line 17-18, change "I'd ask" to "he asks"

p. 86, line 22, change "an implication of" to "identification of"

p. 86, line 24, change "of thousands" to "with thousands"

p. 87, lines 2-6, paragraph should read "And as a result, these types of systems are typically developed through different mechanisms such as utility tariff structures, such as Net Energy Metering, a feed-in tariff, some kind of a policy program rather than through a central utility procurement mechanism."

p. 87, line 11, change "92" to "an order of magnitude"

p. 87, lines 15-16, change "I remember one of the" to "there are a number of"

p. 87, line 21, change "it seems appropriate" to "it is inappropriate"

p. 87, line 24, change "in 1179, I also brought out" to "1179 also rebuts"

p. 88, line 2, change "Section (inaudible)" to "Section 2"

p. 88, line 8, change "in the (inaudible), PV rules" to "individual PV arrays"

p. 88, line 9, change "not functionally connected" to "not functionally equivalent"

p. 88, line 9, change "single solar power project" to "single solar power tower project"

p. 88 line 10, change "spring turbine" to "spinning turbine"

p. 88, line 13, change "savings of" to "decisions about"

p. 88, line 17, change "under the project" to "energy project"

p. 89, line 10, change "station capacity" to "system capacity"

p. 89, line 17, change “some level (inaudible) penetration” to “some level of renewable penetration”

p. 89, line 23, change “including (inaudible)” to “including my firm’s recent”

p. 90, line 6, change “potentially (inaudible) constrains” to “potential flexibility constraints”

p. 90, line 8, change “RPS loads” to “RPS levels”

p. 90, line 13, change “they’re chalking up” to “by charging up”

p. 90, line 15, change “counter to economics” to “counter to today’s economics”

p. 90, line 18, change “different (inaudible)” to “different storage”

p. 91, line 10, change “definition” to “discussion”

p. 91, line 16, change “48 to 50 megawatts towards FCE’s 550 or 580 megawatt” to “458 megawatts towards SCE’s 580 megawatt”

p. 91, line 18, change “And So I looked and there was still a lot of” to “and so as of today there is still a lot of”

p. 91, line 25, change “including distributed energy storage” to “including thermal energy storage”

p. 92, line 14, change “much larger (inaudible) PV project” to “much larger ground-mounted PV project”

p. 92, line 16, change “kilowatt rooftop systems” to “500 kilowatt rooftop systems”

p. 92, line 20, change “of Mr. Powers’ site” to “that Mr. Powers cites”

p. 92, line 22, change “cost adding five hours of battery storage” to “cost of adding three hours of battery storage”

p. 93, line 5, change “project (inaudible)” to “project would achieve (32% vs. 17%)”

p. 93, line 9, change “prevent barring storage” to “prevent battery storage”

p. 93, line 16, change “very broad signing” to “very broad finding”

p. 93, line 20, change “I’ll promise that” to “opponents of”

p. 102, line 23, change “So effectively (inaudible) a similar number to” to “So effectively the CPUC arrived at a similar number to”

p. 103 line 3, change “five percent of (inaudible) peak load” to “five percent of coincident peak load”

p. 103, line 23, change “using the costing” to “using the capacity”

p. 104, line 5, change “Now, (inaudible) the thought” to “Now, this does have the effect of”

p. 104, line 8, change “more and more” to “load”

p. 104, line 22, change “has (inaudible) anticipate” to “effectively anticipates”

p. 105, line 3, change “this is not (inaudible)” to “this is not a floor”

p. 105, line 24, change “the intent is for” to “the incentives for”

p. 107, line 25, change “how the (inaudible) whether” to “how the cost numbers are quoted, whether”

p. 110, line 11, change “20 50-kilowatt rooftop” to “20 500-kilowatt rooftop”

p. 117, line 5, change “I guess, (inaudible) piece” to “I guess I brought in one new piece”

p. 135, line 9, change “some level of thermal solar penetration,” to “some level of renewable energy penetration”

p. 135, line 24, change “higher models” to “higher levels”

p. 136, line 2, change “viability” to “variability”

p. 136, line 9, change “provided by wind sources” to “provided by energy sources”

p. 136, line 14, change “strong buy-in of power” to “strong diurnal pattern”

p. 137, lines 4-5, change “(inaudible) relations” to “sub-hourly variations”

p. 137, line 5, change “pump type of storage” to “pumped hydro storage”

p. 137, lines 7-8, change “mixed amount of time scales” to “many different time scales”

p. 138, line 4, change “during the middle hours” to “during the morning hours”

p., 138, line 16, change “aim that energy” to “and with that energy”