Rulemaking: 12-03-014

Exhibit No.: CEJA x SDG& E -2

Commissioner: Florio

ALJ: Gamson

Order Instituting Rulemaking to Integrate and Refine Procurement Policies and Consider Long-Term Procurement Plans R.12-03-014

(Filed March 22, 2012)

> BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA October 28, 2013

The Western Electric Industry Leaders (WEIL) Group Urges the Adoption of Smart Inver... Page 1 o f2

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The Western Electric Industry Leaders (WEIL) Group Urges The Adoption Of Solar Generators	Smart In	verters	On All N	ew.
Aug 7, 2013 Category: Energy Efficiency, General, Renewable Energy				
SAN DIEGO, August 7, 2013 – The Western Electric Industry Leaders (<u>WEIL</u>) Group is urging the installation of "sm the region to ensure the smooth integration of these environmentally friendly resources onto the electric grid. This ntegration of these solar installations by providing the necessary voltage support for these intermittent resources, reliability impacts because of fluctuations in their generation output. The smart inverters would help ensure the int system and enable the increased use of clean renewable energy for the benefit of the community.	s vital techno which can c	ology would ause power	allow the effe quality probl	ective ems and
WEIL has released a report detailing the immediate need for smart inverters and a letter urging all relevant state p to act decisively on this issue to ensure the reliability and safety of the grid for the region's millions of customers numerous utility companies, government agencies and other organizations that provide reliable electricity to million States, serving and empowering their lives each and every day. Many of these utilities have been called to integra into the interconnected electric system, and to do so in a reliable, cost-effective manner.	WEIL is com	prised of ex throughou	cecutive leade t the Westerr	ers from United
As more and more solar generators are placed on the regional electric grid, we need to work together to smoothly by fitting them with smart inverters to counter the voltage fluctuations that occur with these intermittent renewabl chief operating officer of SDG&E. "This will ensure the integrity, safety and reliability of our system and enable the environmentally-beneficial solar power for our communities."	e resources,	" said Mike	Niggli, presid	
The challenge is that these new, cleaner forms of renewable energy – wind and solar – tend to be intermittent by r stops blowing, the power output of these sources can become unavailable suddenly and indefinitely. The key, then without sacrificing reliability during these unpredictable fluctuations. That is where the smart inverters will play a ow-cost way to mitigate the voltage changes caused by the fluctuating solar generation, thus preventing potential inverters are not installed, these voltage swings can potentially damage utility equipment and residents' home appi grid; require installation of larger, more expensive alternatives; and could even contribute to distributed outages.	i, is to seam vital, transfo power quali	lessly integ rmative role ty problems	rate them onl e. These dev However, i	o the gric ces are a f smart
This problem is a major concern not only for U.S. utilities and regulators, but has already caused the government c particularly common, to order a mass retrofit of smart inverters on solar installations at a cost of hundreds of millic opportunity to avoid this scenario by planning ahead and installing the smart inverters before reliability is affected	ons of dollars			
With well over 100,000 solar arrays already installed in the region, WEIL Group member companies have studied th mprovement in power quality when smart inverters are placed on the system. This change is well worth the small nstallations. For a solar installation costing \$12,000, the new smart inverter technology will only cost about \$150 I percent of the overall cost. This is a bargain price given the expensive retrofit process in Germany.	cost to the	consumers	who choose t	o use sola
The letter and report located at the following link elucidate this issue in more detail, while providing empirical supp http://www.sdge.com/weil	ort for the n	eed for sma	irt inverters:	
This documentation demonstrates that smart inverters are imperative to integrating large amounts of renewable er penefits of these resources, while maintaining the vital integrity and reliability of the system that millions of people videspread adoption of smart inverters that promote renewable integration, America will have a safer, more efficie	rely on eve	ry day. By	encouraging	he:
<u>DG&E</u> is a regulated public utility that provides safe and reliable energy service to 3.4 million consumers through gas meters in San Diego and southern Orange counties. The utility's area spans 4,100 square miles. SDG&E is com energy and money every day. SDG&E is a subsidiary of <u>Sempra Energy</u> (NYSE: SRE), a Fortune 500 energy service Connect with SDG&E's Customer Contact Center at 800-411-7343, on <u>Twitter (@SDGE) and Facebook</u> .	mitted to cr	eating ways	to help custo	omers sav
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http://www.sdge.com/newsroom/press-releases/2013-08-07/weil-group-urges-adoption-s...

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