Become a Thought Leader at India's Newest Renewable Energy Event. Submit your abstract by Jan 11. **Click here for more information.**

Oregon Regulators Release Guidelines for State Utilities' Energy Storage Procurements

January 9, 2017

By Renewable Energy World Editors



The Public Utility Commission of Oregon (PUC) has released guidelines for Oregon's utilities to use when submitting proposals that will meet the state's energy storage requirements under a 2015 energy law.

The law directs Pacific Power and Portland General Electric by January 2018 to submit proposals for qualifying energy storage systems with the capacity to store at least 5 MWh of energy. The PUC will evaluate and approve the utilities' submissions. Authorized projects must be commissioned by January 1, 2020.

In its Dec. 28, 2016, order, the PUC encouraged the utilities to submit multiple, differentiated projects that test varying technologies or applications and to use a request for information to identify vendors. In addition, the PUC said it seeks a balanced portfolio of projects that serve multiple applications and help defer or eliminate the need for system upgrades.

A separate order, to be released later this year, will provide additional guidance on the process and timeline for project submission approvals, the PUC said.

The PUC also said that its staff will convene workshops to develop a framework for the electric companies' project evaluation requirements. The framework will be presented to the PUC at a special public meeting no later than March 31. Utilities will be required to select a vendor for their projects through a competitive bidding process, unless they determine that only a single vendor is capable of meeting a given project's requirements.

In its integrated resource plan (IRP), filed with the PUC in November 2016, Portland General Electric said that it has already been working with outside consultants to analyze various value streams of energy storage systems. The utility also issued a request for information last year to solicit further insight from vendors, manufacturers and developers of energy storage. In the IRP, the utility said that it's evaluation framework for energy storage resources likely will include the following classes of value streams:

- Energy shifting and arbitrage
- Ancillary services
- Avoid renewable curtailment
- System peaking and capacity value
- Locational value

In a test case analysis of potential costs and benefits of battery systems, Portland General Electric studied two battery fleet sizes — a 50-MW deployment and a 100-MW deployment, each with two-hour, four-hour, or six-hour duration. According to the IRP, initial results of the study determined that the operational value of battery systems decreases on a per-kW basis as battery deployments grow, given the same conditions. The utility noted that the snapshot year used in the study does not achieve Oregon's renewable energy requirements for 2021. High renewable levels as well as natural gas prices, CO2 prices, participation in the Western energy imbalance market, and the evolution of Western markets will shift the operational value of batteries over the course of their financial lifetimes, the utility said.

Print Article

0 comments

Sign in

+ Follow Post comment as...

Newest | Oldest

Get All the Renewable Energy World News Delivered to Your Inbox - FREE!

Subscribe to Renewable Energy World Magazine and our award-winning e-Newsletter to stay up to date on current news and industry trends.

Subscribe Now
E-NEWSLETTER
MAGAZINE

Renewable Energy World Editors
Renewable Energy World's network editors help deliver the most comprehensive news coverage of the renewable energy industries. Based in the U.S. and the UK, the team is comprised of editors from Pennwell Corporation's myriad of publications that ...

Articles

CURRENT MAGAZINE ISSUE



View Issue
Past Issues

STAY CONNECTED
To register for our free e-Newsletters, subscribe today: Go



SOCIAL ACTIVITY

REW & Editors
A Twitter list by @REWorld
Tweets from Renewable Energy World and our editors.

RenewableEnergyWorld @REWorld
Renewables Provide Majority of New US Generating Capacity through November 2016 buff.ly/2i3m12Q #renewableenergy



5h
Embed View on Twitter

Tweet the Editors! @jennrunyon

FEATURED PARTNERS

EVENTS VIEW ALL

Mexico WindPower 2017

How Accurate Modeling of Your Solar Array Can Save You Money
Discover how commercial and utility-scale solar developers, engineers an...

Webcast on wind: Doing Business in Mexico - in collaboration with G...
Join Leopoldo Rodriguez, President of AMDEE (Mexican Wind Energy Associa...

COMPANY BLOGS VIEW ALL

Colorado Runs on Sunshine
Today, there is enough solar energy online in Colorado to power the...

Utility Solar Conference Maps Speed of Change in Energy Sector
When SEPA communications manager K Kaufmann arrived at her first Utility...

What Does a Leader Looks Like?
Every year, the amazing crew at Solar Power World open their polls in&nb...

NEWSLETTERS

Renewable Energy: Subscribe Now
Solar Energy: Subscribe Now
Wind Energy: Subscribe Now
Geothermal Energy: Subscribe Now
Bioenergy: Subscribe Now
Energy Storage News: Subscribe Now

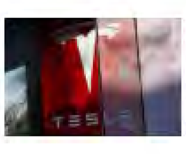
POWER TODAY NEWSCAST



RELATED ARTICLES VIEW ALL


San Diego Entities Seek Interest Related to 500-MW Pumped Storage Project
Barry Cassell - The San Diego County Water Authority and the City of San Diego said Jan. 6 that they ha...


Microgrid Opportunity: What Stands in the Way for 2017?
Elisa Wood - Microgrid opportunity grew in 2016 and next year looks even better. But government poli...


Wall Street Cautious on Tesla Plant Start-up
Julie Verhage, Bloomberg - Touted as the future of high-tech manufacturing, Tesla Motors Inc.'s Gigafactory&n...

PRESS RELEASES VIEW ALL

Help select this year's HydroVision shirt through democratic process
Hydro Group Publisher Marla Barnes has left the...

JuiceBox Energy Storage System Installation at Appalachian State University in North Carolina
JuiceBox Energy, a privately-held Silicon Valle...

Canadian Solar Founding Member of the Global Solar Council
Canadian Solar is now a founding member of the ...

AMP CEO Marc Gerken to speak during HydroVision International keynote
Marc S. Gerken, P.E., president and chief execu...

SLIDESHOW


Net Metering in Review: 10 State Policy Updates from 2015


The Best Power Projects of 2015

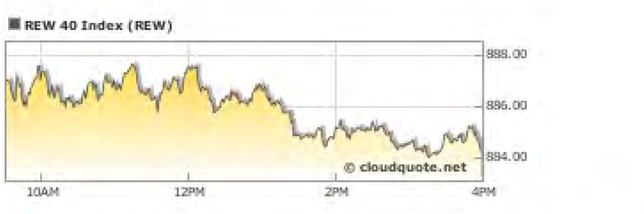
FEATURED BLOGS VIEW ALL


Seminar shows how to manage finance and regulation of heat network development
Developers and investors will learn how to check the finances of heat networks an...


Cutting the Noise with Solar Technology
As you're kicking your feet up on your front porch, you might notice the beeps, s...


Free guide explains latest changes to heat network regulations
Community heating specialist Switch2 Energy has published a guide to the latest legisla...

FINANCIAL NEWS



REW 40	884.17	-3.28 (-0.37%)
Nasdaq	5531.82	+10.76 (+0.19%)
S&P 500	2268.90	+0.00 (+0.00%)
NYSE	11169.79	+0.00 (+0.00%)

REW 40 Index

APPLIED MATERIALS	32.78	+0.74 (+2.31%)
FIRST SOLAR	33.57	+0.25 (+0.75%)
CALPINE	11.83	-0.24 (-1.99%)
ORMAT TECHNOLOGIES	51.64	-0.95 (-1.81%)

View More Companies

Enter Symbol or Company

Powered by FinancialContent

Types Of Renewable Energy

- Renewable Energy Overview
- Solar Energy
  - Photovoltaic Systems
  - Solar Hot Water
  - Solar Electricity
  - Passive Solar Heating & Daylighting
  - Space Heating & Cooling
- Wind Energy
- Geothermal Energy
  - Geothermal Electricity Production
  - Geothermal Direct Use
  - Geothermal Heat Pumps
- Bioenergy
  - Biofuels
  - Biopower
  - Bioproducts
- Hydropower
- Ocean Energy
- Hydrogen & Fuel Cells
- Green Power

FEATURED PARTNERS

© Copyright 1999-2016 RenewableEnergyWorld.com - All rights reserved

RenewableEnergyWorld.com - World's #1 Renewable Energy Network for news & information