



Portland General Electric
121 SW Salmon Street • Portland, Ore. 97204
PortlandGeneral.com

October 31, 2018

E-mail/US Mail
puc.filingcenter@state.or.us

Public Utility Commission of Oregon
Attn: Filing Center
201 High St., SE, Ste. 100
P. O. Box 1088
Salem, OR 97308-1088

Re: PGE's 2019 R&D Prospective Research and Development Projects List

Enclosed for filing is Portland General Electric Company's list of prospective Research and Development Projects for 2019.

Should you have any questions or require further information please call me at (503) 464-7805.

All formal correspondence should be emailed to pge.opuc.filings@pgn.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Stefan Brown", is written over a light blue rectangular background.

Stefan Brown
Manager, Regulatory Affairs

Enclosures

SB: np.

cc: Sommer Moser, OPUC
Marianne Gardner, OPUC Staff
George Waidelich, Albertsons
Tyler Pepple, AWEC
Gregory Adams, Calpine
Bob Jenks, CUB
Kurt Boehm, Kroger
Vicki Baldwin, Walmart

PGE's 2019 Prospective R&D Projects

Biglow Canyon Wake Effects - PSU

Cascadia Lifelines Project

Distributed Storage for Community Resiliency-PREPHub

Emobility Research Analytics

EPRI 193B - Wind Generation

EPRI Combustion Dynamics Health Algorithm

EPRI P1 Power Quality

EPRI P161 Information and Communication Technology

EPRI P174 Integration of Distributed Energy Resources

EPRI P180 Distribution Systems

EPRI P183 Cyber Security

EPRI P200 Distribution Operations and Planning

EPRI P60 EMF and RF Health Assessment and Safety

EPRI P62 Occupational Safety and Health

EPRI P64 Boiler and Steam Turbine Cycle

EPRI P88: HSRG and BOP

EPRI P94 Energy Storage and Distributed Generation

EPRI Wind Turbine Performance Monitoring

EV Home Charging - Ancillary Services

Home Energy Management System

FlowTech Tower Treatment

Investigating Ductile Iron Poles for T-D Structures

NEEA End Use Load Research

OHSU Microgrid Feasibility Assessment

OIT Energy Storage-2nd Life Battery

OSU MGrid Synchrophasor

Plant Monitoring Technology Pilot

Smart Streetlight Technology Pilots

Solar PV Monitoring Data - U of O

StressWave Technology Assessment

Ultra-Capacitor Generator Starting Power

Wave Energy - OSU