



**Portland General Electric Company**

121 SW Salmon Street • Portland, Oregon 97204

PortlandGeneral.com

November 1, 2017

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

**Attn: OPUC Filing Center**

**Re: UE-319 PGE's 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 2017, subject to the Partial Stipulation.

If you have any questions or require further information, please call Stefan Brown at (503)464-7795. Please direct all formal correspondence, questions, or requests to the following e-mail address: [pge.opuc.filings@pgn.com](mailto:pge.opuc.filings@pgn.com).

Sincerely,

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

Stefan Brown  
Manager, Regulatory Affairs

*encls.*

cc: Sommer Moser, OPUC  
Elizabeth Jones, CUB  
Bob Jenks, CUB  
Tyler Pepple, ICNU  
Kurt Boehm, Kroger  
Vicki Baldwin, Walmart  
Diane Henkels, SBUA

Project Name
Beaver Holding Ponds
Biglow Wake Effect - PSU
Biomass - Complete Activities
BPA Collaboration - Coordinated Voltage Control
Cascadia Lifelines Project
Data Analytics and Visualization POC
Demand Response Product Assessment
Development of Distributed Battery Control Methods and Business Case at PSU
Distributed Storage for Community Resiliency-PREBHub
Employee EV Incentive & Data Collection for Charging Behavior Research
Employee EV Research Program 2018 Extension
EPRI Chemistry Assessment for Carty and Coyote
EPRI P1 Power Quality
EPRI P161 Information & CommunicationTechnology
EPRI P161-Information and Communications Technology
EPRI P174 Integration of Distributed Energy Resources
EPRI P180 Distribution Systems
EPRI P183 Cyber Security
EPRI P198 Strategic Sustainability Science
EPRI P199 Electrification Program
EPRI P200 PDU - Distribution and Utilization
EPRI P60 EMF-RF Health Assessment and Safety
EPRI P62 Occupational Safety and Health
EPRI P87-Fossil Materials and Repairs
EPRI Program 88-HSRG and BOP
Fire Station One Commercial Solar + Storage Grid Integration
Floating Solar PV
Fuel Gas from Landfills - Wastewater Treatment Plants
Investigating Ductile Iron Poles for T-D Structures
Maxisys / BPA R&D Project (T&D Node/Breaker Modelling)
NEEA End Use Load Research
OIT Energy Storage-2nd Life Battery
OSU MGrid Synchrophasor
PGE EV Infrastructure Smart Charging Pilot
Power to Gas - NWN
Power-in-Pollinators Initiative
PW2 Black Start Load Bank
PW2 Waste Heat Recovery Energy
Renewable Fuel Use for DSG
Seismic Analysis and Post Event Transmission Studies
Smart Streetlights Phase 2
Solar PV Monitoring Lab - U of O
SSPC Use Case Optimization

Project Name
SSPC Voltage Control
Transformer Thermal Model Validation
Ultra Capacitors
Wave Energy - OSU
Yamhill County Landfill Gas Potential for Renewable Power Generation