

## Guidance for the Installation of Residential Battery-Only Storage Systems

(No Feedback to the Power Grid and No Connection to Any Customer Generation)

### Notifications and Permits

- The customer shall notify Puget Sound Energy (PSE) of the proposed battery/energy storage system installation consistent with PSE's Electric Tariff G, [Schedule 80](#). Please report all battery installations by filling out and submitting this [online notification form](#).
- Any field modifications to the electrical service or line side connections require providing a notification to PSE.
- The customer shall seek all electrical permits required by their local jurisdictions.

### Design

- The battery/energy storage design shall meet all applicable industry standards and codes including, but not limited to:
  - American Society of Civil Engineers ([ASCE](#))
  - [IEEE](#) 1547
  - International Building Code ([IBC](#))
  - International Fire Code ([IFC](#))
  - International Residence Code ([IRC](#))
  - National Electric Code ([NEC](#))
  - National Electric Safety Code ([NESC](#))
  - [UL](#) 1741
- The battery energy storage systems must be designed and configured for non-export mode. **Detection of power export will result in actions by PSE such as service disconnection or non-refundable utility charges to return the system to safe operating conditions.**

### Documentation of Acceptance and Performance Tests

The customer is encouraged to document all acceptance and performance tests. This includes:

- Grounding and electrical resistance testing
- Verification of sensors, metering, and alarms
- Verification of all control functions, including automatic, local, and remote control
- Verification of performance criteria