

# Project Summary Form

## Grid Resilience Grant Application



Please read and become familiar with the questions before entering answers.

This is a fillable PDF to be completed and submitted digitally; printed and scanned or Print-to-PDF (flat PDF) submissions are not allowed. The form will function best if opened with a PDF application such as Adobe Acrobat Reader, FoxIt PDF Reader, or Apple Preview.

The form may not function properly if opened in a web browser.

Please save the completed form with this naming rule: *OrganizationName-ODOEGrid.pdf*

Example: OregonElectricUtility-ODOEGrid.pdf.

Follow the [application instructions](#) to complete your application online.

Please email questions to [grid.grants@energy.oregon.gov](mailto:grid.grants@energy.oregon.gov) or call 503-931-2119.

### Section 1: Organization Information

1.1 Organization Name:

1.2 Legal address.

1.2.1 Street Address:

1.2.2 City, State, Zip:

1.2.3 Counties in Service Territory:

1.3 Project Manager

1.3.1 PM Name:

1.3.2 PM Phone:

1.3.3 PM Email:

1.4 Business Officer (authorized to sign a performance agreement with the state)

1.4.1 BO Name:

1.4.2 BO Phone:

1.4.3 BO Email:

1.5 Applicant Contact for coordinating this Application (if not one of the above)

1.5.1 Name:

1.5.2 Phone:

1.5.3 Email:

1.6 List the number of total meters served.

1.7 List the number of meters served by the project, if not system wide

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### Section 2: Project Description, Schedule, Budget Estimate, and Objectives

2.1 Provide a technical description of the project scope of work. A list of primary technologies, and/or tools (hardware and software) that will be deployed and their specifications) (e.g. undergrounding 3 miles of 14.4kV distribution lines. Adding 23 SCADA reclosers and 200 non-expulsion fuses. Replacing 50 wood poles with composite poles.) **Do not include objectives, metrics or benefits, requested below in 2.2. or location information, requested below in 2.3.**

2.2 Explain how the proposed resilience project addresses community and grid resilience objectives. Include how and to what degree, measured against historical data (see 2.8), it will reduce the likelihood and consequences of disruptive grid events including Public Safety Power Shutoffs.

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**2.3 Location.** Describe the project location including the county (or counties) with street address (if applicable). Include zip codes, geographic coordinates, or other description of the project's physical location(s). (See the [application instructions](#) about required file(s) with project maps or diagrams.)

**2.4 Impact on existing plans.** Describe the impact this grant would have on existing plans related to or involving grid resilience (capital/investment plans, distribution system plans, grid modernization, resource plans, etc.):

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**2.5 Milestone Dates.** Provide estimated dates for your project milestones using the milestones provided, with an estimated date for a signed agreement of September 2026:

| # | Milestone Details (do not edit)                         | Est. Completion Date |
|---|---|----------------------|
| 1 | Project Start (award contract)                          | 09/01/2026           |
| 2 | Planning Complete                                       |                      |
| 3 | Design Complete   |                      |
| 4 | Regulatory Approval Obtained (including NEPA & Permits) |                      |
| 5 | Equipment / Materials Purchased                         |                      |
| 6 | Construction / Installation Started                     |                      |
| 7 | Construction / Installation 50% Complete                |                      |
| 8 | Construction / Installation 100% Complete               |                      |
| 9 | Project Complete / Closed-Out                           |                      |

**2.6 Budget Estimate.** Enter the project cost estimates by category below.

| Category                             | Total Costs |
|--------------------------------------|-------------|
| a. Personnel                         |             |
| b. Fringe Benefits                   |             |
| c. Travel                            |             |
| d. Equipment                         |             |
| e. Supplies                          |             |
| f. Contractual                       |             |
| g. Other Direct Costs                |             |
| h. Total Direct Costs (sum of a - g) |             |
| i. Indirect Charges                  |             |
| Total Costs (sum of h + i)           |             |

**Budget Notes:** See the opportunity announcement for budget justification requirements if selected.

Minimum Match Requirements:

- Utilities with sales less than 4 million megawatt hours per year: One-third of grant amount. (can also be calculated as 25% of total project cost)
- Utilities with sales over 4 million megawatt hours per year: 100% of grant amount.

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### 2.7 Project work types. Check those that apply.

- 2.7.1 ☐ Weatherization technologies and equipment.
- 2.7.2 ☐ Vegetation and fuel-load management.
- 2.7.3 ☐ Battery-storage components: use or construction of DERs for enhancing system adaptive capacity during disruptive events.
- 2.7.4 ☐ Monitoring and control technologies.
- 2.7.5 ☐ Adaptive protection technologies
- 2.7.6 ☐ Undergrounding of electrical equipment.
- 2.7.7 ☐ Advanced modeling technologies.
- 2.7.8 ☐ Utility pole management.
- 2.7.9 ☐ Hardening of power lines, facilities, substations, or other systems.
- 2.7.10 ☐ Relocation of power lines.
- 2.7.11 ☐ Replacement of old overhead conductors & underground cables.
- 2.7.12 ☐ Fire-resistant technologies and fire prevention systems.
- 2.7.13 ☐ Microgrids: use of existing DERs for enhancing system adaptive capacity during disruptive events.
- 2.7.14 ☐ Reconductoring of power lines with low-sag, advanced conductor.

### 2.8 Project Build Metrics. Check the appropriate Build Metrics for this project.

- 2.8.1 ☐ Miles of new distribution lines
- 2.8.2 ☐ Miles of distribution lines undergrounded
- 2.8.3 ☐ Miles of distribution lines of vegetation clearing
- 2.8.4 ☐ Miles of distribution lines reconducted
- 2.8.5 ☐ Miles of distribution lines with other upgrades
- 2.8.6 ☐ Number of distribution poles inspected
- 2.8.7 ☐ Number of distribution poles replaced
- 2.8.8 ☐ Number of distribution poles with other upgrades
- 2.8.9 ☐ Miles of new transmission lines
- 2.8.10 ☐ Miles of transmission lines undergrounded
- 2.8.11 ☐ Miles of transmission lines of vegetation clearing
- 2.8.12 ☐ Miles of transmission lines reconducted
- 2.8.13 ☐ Miles of transmission lines with other upgrades
- 2.8.14 ☐ Number of transmission structures inspected
- 2.8.15 ☐ Number of transmission structures replaced
- 2.8.16 ☐ Number of transmission structures with other upgrades
- 2.8.17 ☐ Number of substations relocated
- 2.8.18 ☐ Number of substations with added physical protection
- 2.8.19 ☐ Number of substations with added sensors/monitors
- 2.8.20 ☐ Number of substations with elevated equipment
- 2.8.21 ☐ Number of substations with upgraded equipment
- 2.8.22 ☐ Number of substations with other upgrades
- 2.8.23 ☐ Number of substations with redundant equipment (continues on next page)

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### Build Metric Continued

- 2.8.24 ☐ Number of fault location, Isolation and service restoration (FLISR) devices installed
- 2.8.25 ☐ Number of other monitoring/metering devices installed
- 2.8.26 ☐ Number of other protection or control devices installed
- 2.8.27 ☐ Power Rating of battery system installed (MW)
- 2.8.28 ☐ Energy rating of battery installed (MWh)
- 2.8.29 ☐ Power rating of mobile back up generation unit (MW)
- 2.8.30 ☐ Voltage rating of mobile substation (kV)
- 2.8.31 ☐ Voltage rating of mobile transformers (kV)
- 2.8.32 ☐ Capacity rating of hardened generation (MW) - photovoltaics
- 2.8.33 ☐ Capacity rating of hardened generation (MW) - wind
- 2.8.34 ☐ Capacity rating of hardened generation (MW) - diesel
- 2.8.35 ☐ Capacity rating of hardened generation (MW) - natural gas
- 2.8.36 ☐ Capacity rating of hardened generation (MW) - coal
- 2.8.37 ☐ Percent increased energy storage capacity in reserve fuel -diesel
- 2.8.38 ☐ Percent increased energy storage capacity in reserve fuel -propane
- 2.8.39 ☐ Percent increased energy storage capacity in reserve fuel -gasoline
- 2.8.40 ☐ Number of transportation assets purchased to assist with power restoration
- 2.8.41 ☐ Number of communications assets purchased to assist with power restoration
- 2.8.42 ☐ Number of other assets purchased to assist with power restoration
- 2.8.43 ☐ Percentage of system migrated into new software system
- 2.8.44 ☐ Percentage increase in pole inventory
- 2.8.45 ☐ Percentage increase in transformer inventory
- 2.8.46 ☐ Percentage increase in equipment inventory

**2.9 Project Impact Metrics.** Select the resilience impact metrics that can be reported for your project, and for which you have five years of historical data as the baseline to measure the impacts of the completed project.

- 2.9.1 ☐ Largest outage cause
- 2.9.2 ☐ Number of outages
- 2.9.3 ☐ Hours to repair outages
- 2.9.4 ☐ System Average Interruption Duration Index (SAIDI)
- 2.9.5 ☐ Customer Average Interruption Duration Index (CAIDI)
- 2.9.6 ☐ System Average Interruption Frequency Index (SAIFI)
- 2.9.7 ☐ Number of individual customers with more than 5 interruptions
- 2.9.8 ☐ Number of individual customer outages that extend beyond 24 hours
- 2.9.9 ☐ Number of critical services with outages that extend beyond 24 hours
- 2.9.10 ☐ Hours of unmet Load
- 2.9.11 ☐ Outage Recovery Cost (\$)
- 2.9.12 ☐ Hours line loading exceeded normal rating
- 2.9.13 ☐ Average hours to restore 50% of customers
- 2.9.14 ☐ Average hours to restore 90% of customers (continues on next page)

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Impact Metrics continued.

- 2.9.15 ☐ Average hours to restore 100% of customers
- 2.9.16 ☐ Number of residential customers benefitted by project
- 2.9.17 ☐ Number of commercial customers benefitted by project
- 2.9.18 ☐ Number of industrial customers benefitted by project
- 2.9.19 ☐ Number of customers that provide community services/emergency centers benefitted by project
- 2.9.20 ☐ Number of customers that provide communication services benefitted by project
- 2.9.21 ☐ Number of customers that provide energy supply benefitted by project
- 2.9.22 ☐ Number of customers that provide transportation services benefitted by project
- 2.9.23 ☐ Number of customers that provide water services benefitted by project
- 2.9.24 ☐ Number of customers that provide food services benefitted by project

2.10 **Outage Types.** Select the outage types the project will address.

- 2.10.1 ☐ Total
- 2.10.2 ☐ Vegetation
- 2.10.3 ☐ Animal
- 2.10.4 ☐ Vehicle
- 2.10.5 ☐ Tornado
- 2.10.6 ☐ Thunderstorm
- 2.10.7 ☐ Hurricane
- 2.10.8 ☐ Derecho
- 2.10.9 ☐ Flooding
- 2.10.10 ☐ Wildfire
- 2.10.11 ☐ Earthquake
- 2.10.12 ☐ Ice/Snowstorm
- 2.10.13 ☐ Operator Error
- 2.10.14 ☐ Equipment Failure
- 2.10.15 ☐ Extreme Heat
- 2.10.16 ☐ Extreme Cold
- 2.10.17 ☐ Other Storm