

Renewable Energy

ASSESSMENTS AND PROJECT DEVELOPMENT SUPPORT

The Pacific Northwest National Laboratory (PNNL) provides a range of capabilities – from initial concept to project implementation – to support renewable energy project development.

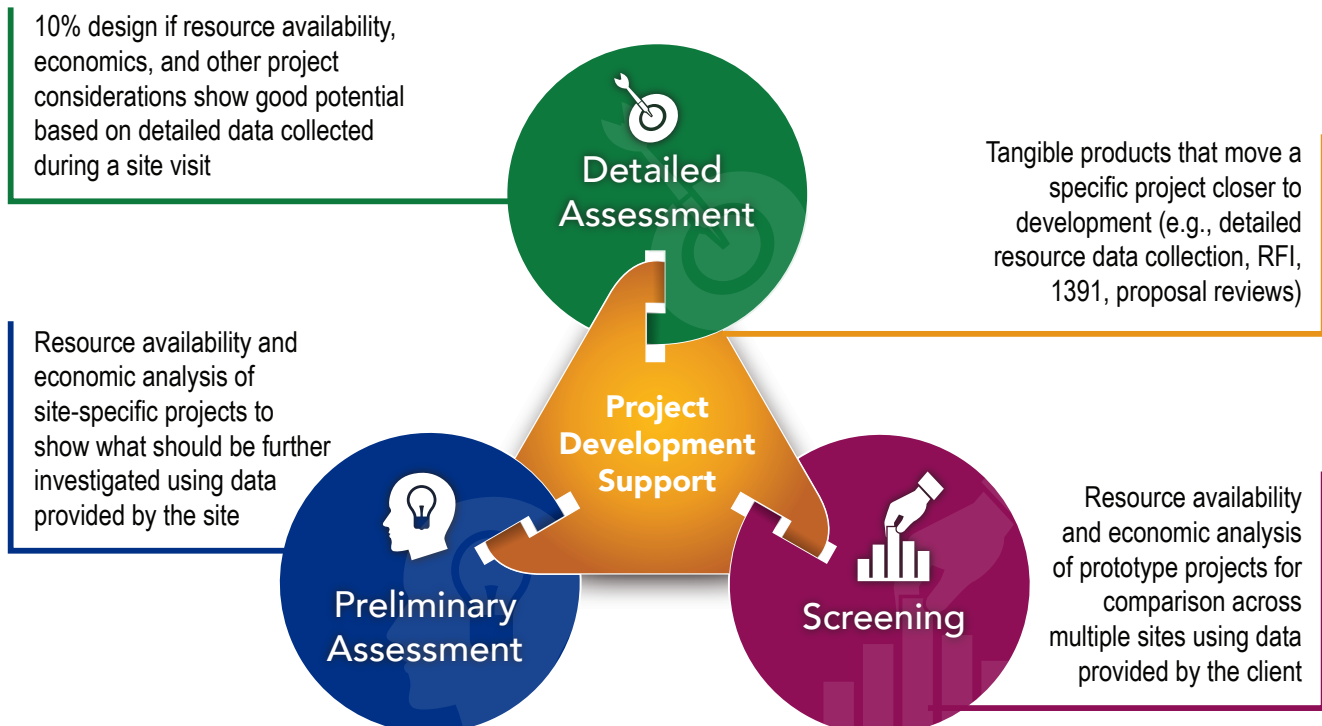
Renewable energy assessments enable agencies to make informed decisions on meeting renewable energy goals and mandates by identifying and defining potential project options. Renewable energy assessments can be stand-alone evaluations or incorporated into comprehensive energy and water evaluations, net zero energy assessments, or energy security assessments that include energy storage and micro-grid solutions.

PNNL assessments range from desktop screenings to detailed on-site analyses of available resources, applicable

technologies, project economics, energy rates, policy and regulatory issues, and stakeholder engagement.

Examples of project development support include managing the installation of meteorological towers that collect site-specific wind data and developing appropriated funding request documents for building-integrated technologies, such as solar air heating.

PNNL's capabilities can support all organizations interested in pursuing renewable energy. Some of our current clients include the U.S. Air Force and the U.S. Army and Army Reserve.



OUR EXPERTISE COVERS ALL RENEWABLE ENERGY RESOURCES:

Electric

-  Solar PV
-  Wind
-  Geothermal
-  Biomass
-  Waste-to-energy
-  Hydro
-  Ocean
-  Landfill gas

Thermal

-  Solar water heating
-  Solar air heating
-  Ground source heat pumps
-  Biomass
-  Waste-to-energy

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