

Choosing and Developing a Project

Quick Renewable Readiness Assessment Preliminary Modeling and Economic Analysis

Project
Construction

A

Own, Operate,
Maintain, Earn, Reinvest

Apply for Funding

Design, Cost Estimate Full Feasibility Report Strategic Energy Plan

> Pre-Feasibility Report

Apply for Funding





Renewable Readiness Assessment

Rubric used to evaluate community fit for high penetration renewable project, guide regional planning

Factors Considered:

- Community interest/engagement, admin capacity
- Size of diesel load
- Fuel cost (avoided fuel cost)
- Distressed community status
- Potential for IPP
- Power system, controls status
- Infrastructure Management Support
- Existing system % renewables

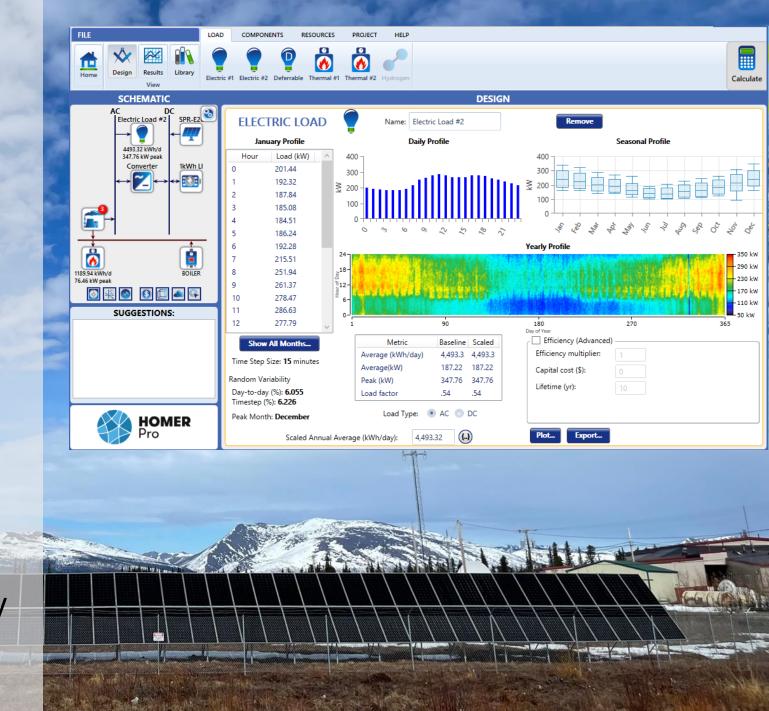
Preliminary Modeling

Enter in:

- Load
- Component Tech Specs
- Resource Data
- Costs

Get Out:

- Estimated Renewable Contribution
- Estimated Fuel Offset
- Economic Benefit
- Pre-Feasibility Level Report and/or info for Strategic Energy Plan



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Quick Renewable Readiness Assessment



Preliminary Modeling and Economic Analysis

DOE - Office of **Indian Energy** tribal.energy@nrel.gov **Technical Assistance Program** Tribe or Tribal Organization:

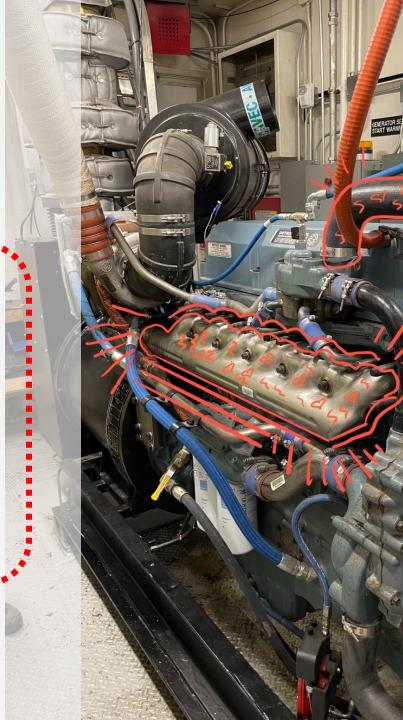
Strategic Energy

Plan

Pre-Feasibility

Report

Apply for **Funding**



Email:

Name:

Phone:

What type of assistance are you requesting?

Provide a concise description of the technical assistance being requested:

Provide any applicable background information relevant to this request (energy goals, location, past studies):

Describe any time constraints (If none, state 'no constraints'):

- Support is available now for:
 - Identifying the right energy project for your community
 - Initial stages of development, energy planning
 - Creating technical documentation needing for funding app
 - Applying for funding

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- Leverage available support to access current and near future funding opportunities
 - If energy is a priority for your communities, engage support ASAP to take advantage of unique funding environment

Thank you!