

FEASIBILITY STUDY GENERAL GUIDELINES

Recommended Outline for Feasibility Studies

The following guidance was created for Community Renewable Energy Feasibility Fund (CREFF) grant awardees to assist them in scoping and completing a feasibility study. The list is not meant to be exhaustive. It is intended to prompt the feasibility analyst and the project proponent to consider a range of subjects.

Project proponents and their consultants should prioritize information and analysis for future purposes, namely what-

- (a) Is necessary to make a decision and a commitment;
- (b) Answers questions that will arise in future grants, loans, and other financial tools (e.g. SELP,¹ BETC); and
- (c) Provides a foundation for acquiring permits (e.g. environmental analysis).

Please contact the coordinator for assistance in locating examples of any of the sections below.

Rebecca Sherman

Email: rebecca.sherman@state.or.us

Direct line: 503-373-2120

1. **ABSTRACT**

Purpose

Goal

Scope

Key indicators

Study ownership (if funded by CREFF, then the state of Oregon)

2. **PROJECT DESCRIPTION**

Siting

Accurate, clear, and detailed map of key proposed and existing facilities, with a north arrow

Description of existing facilities

Site ownership and surrounding lands

Description of proposed new construction

¹ The State Energy Loan Program, or SELP, has published guidance for a Renewable Resource Project Business Plan. This guidance contains many complementary points worth reviewing. It is available here: <http://www.oregon.gov/ENERGY/LOANS/docs/RenewableResProjectBusinessPlan.pdf>

Proposed Renewable Energy System(s)

Description of local renewable energy resource
Proposed equipment and facilities
Size and location of system(s)
Estimated annual energy production

Energy Distribution

On-site energy use and conservation
Targeted energy market
Transmission availability

Environmental Impact

Potential and likely environmental impacts and mitigation options
Potential and likely cultural/historical impacts and mitigation options
Potential and likely recreational impact, if any (how current land/water uses will be affected)
Community impact and key partnerships

Regulatory Compliance

Required approvals and permits (local, state, fed, other)
Utility interconnection and engineering requirements

Construction

Schedule of work
Materials delivery, storage and staging
Existing infrastructure
Employment potential and workforce availability

3. ECONOMIC ANALYSIS**Project Cost**

Design / engineering
Permitting preparation and fees
Materials
Construction
Commissioning / monitoring
Long-term operation and maintenance
Legal fees
Interconnection fees
Loan fees, interest
Contingencies

Project Financing

Funding sources and partners

Eligibility for federal, state, and local grants, tax credits, and incentives

Pass through partners

Project Revenue

Revenue from energy production

Offtake agreements or PPAs and partners in these agreements

RECs or environmental credits

Applied revenue from other sources

Demonstrate accounting for variability in outcomes

4. CONCLUSIONS

Summary

Summarize conclusions and make a final succinct recommendation

If multiple sites, recommendation of most feasible to least along key parameters

If project is a no, highlight why

Obstacles

Summarize any clear financial, logistical, legal or regulatory barriers to project development, completion, or operation

Set out next steps

5. APPENDIX

Projected budget

Tested variations in projections

Technical summary sheet (s)

Single line operations diagram(s)