

Draft Work Plan

Market Analysis for Potential Small-Scale Wind Program¹

Phase One Community Wind

<u>Item</u>	<u>Status</u>	<u>Due Date</u>
Background	Compiling	TBD
Wind Industry in Oregon		
Utility Scale		
Other		
Growth/Prospects		
Small -Scale Wind Defined		
Community		
Motivation		
Net metered		
ETO Program Approach		
Market Analysis		
Standard Incentives		
Supporting Services		
Review of Related Efforts/Programs ²		
Europe (Community Wind)	Compiled/contracting	
Drivers		
Results		
Applicability		
US		
Small Scale Programs	Completed (CESA ³)	
Community Wind Projects	Contracting	
Drivers		
Results		
Lessons Learned		
Community Wind Barriers	Contracting	
Financial		
Regulatory		
Technical		

¹This is NOT the work plan for the design of the program, the prioritization of tradeoffs or the identification of goals.

² Reviewing contract for issue analysis and brief on Community wind experiences, barriers, ownership, costs and financial models.

³ Clean Energy States Alliance developed an overview of existing program sin the US. ETO shared in its cost through its membership in the organization.

DRAFT Community Wind Market Analysis

Market	
Standard Costs	Contracting
Turbine	
Ongoing	
Production (by wind class)	
Tax credits	
Green Tag	
Power price	
BPA	
PacifiCorp	
PGE	
Farm retail (tariff)	
Market Support	TBD
Suppliers	
Services	
Local Ownership	Contracting
For each type:	
Barriers/Need	
Financial Analysis	
Estimated incentive	
Types:	
Cooperative	
Individual (net metered)	
LLC with tax appetite	
LLC w/out tax appetite	
Town owned	
Local Economic Development	TBD ⁴
Economic Benefits	
Tax Revenues	
Other Benefits	
Evaluation Model	
Resource Analysis	TBD
Wind Evaluation	
Methods	
Available Tools	
Costs	
ETO role?	
Siting	TBD
List of requirements	
Control	
Location	
Other	
Barriers	
ETO role for technical assistance?	

⁴ Collaborative proposed with WA CTED, NW Seed and WISH based and proposed outline form outside contractor.

DRAFT Community Wind Market Analysis

Permitting, land use		
General process		
No direct ETO role		
Interconnection requirements		
PacifiCorp		
BPA		
COU		
ETO role?		
Power Purchase Agreements	TBD	
General requirements		
PacifiCorp		
COU		
Ancillary Services		
BPA		
PacifiCorp		
ETO role?		
Summary and Review (RAC, OWIG, etc)	ETO Staff	May
Top Barriers		
Key Actions		
Costs		
Recommendations for Program	ETO Staff	June
Design Principles		
Goals		
Incentive Design		
Program Package of Services		
Comment and Review		July

Phase Two Net- Metered Wind (TBD, Fall 2004)

Review of Technology
Types
Applications
Review of Regional Efforts
Installed base in US, NW
Drivers
Results
Lessons Learned
CA
NY
NW Seed
Others

DRAFT Community Wind Market Analysis

- Barriers
 - Financial
 - Regulatory
 - Technical
 - Market
- Standard Costs
 - Turbine (range)
 - Ongoing (range)
 - Production (by wind class)
 - Tax credits
 - Green Tag
 - Retail power price (farm, other)
- Market Support
 - Suppliers
 - Services
- Resource Analysis
 - Wind Evaluation
 - Methods
 - Available Tools
 - Costs
 - ETO role
- Siting (ETO role?)
 - List of requirements
 - Control
 - Location
 - Other
 - Barriers
 - ETO role for technical assistance?
 - Permitting, land use
 - General process
 - Interconnection requirements
 - PacifiCorp
 - PGE
- Summary and Review (RAC, OWIG, etc)
 - Top Barriers
 - Key Actions
 - Costs
 - Recommendations for Program
 - Design Principles
 - Goals
 - Incentive Design
 - Alternatives
 - Tradeoffs
 - Program Package of Services