



# Commonwealth Wind

## **Request for Proposals: Technical Consulting Services for Wind Power Projects, REC Contract Management Services**

Respondent's Conference  
June 8, 2009



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# PRESENTATION OVERVIEW

- Disclaimer
- Summary of Commonwealth Wind Program
- RFP Purpose and Services Sought
- RFP Process and Logistics





# Disclaimer

- The RFP document and posted responses to questions are binding
- All questions must be submitted in writing by June 10



# Commonwealth Wind (CommWind) Program Summary

- **Governor Patrick's Goal**
  - **2000MW by 2020**
- **Three types of Wind Projects**
  1. **Commercial (5 MW or higher)**
  2. **Community (100 kW up to 5 MW)**
  3. **Small or Micro (<100 kW)**

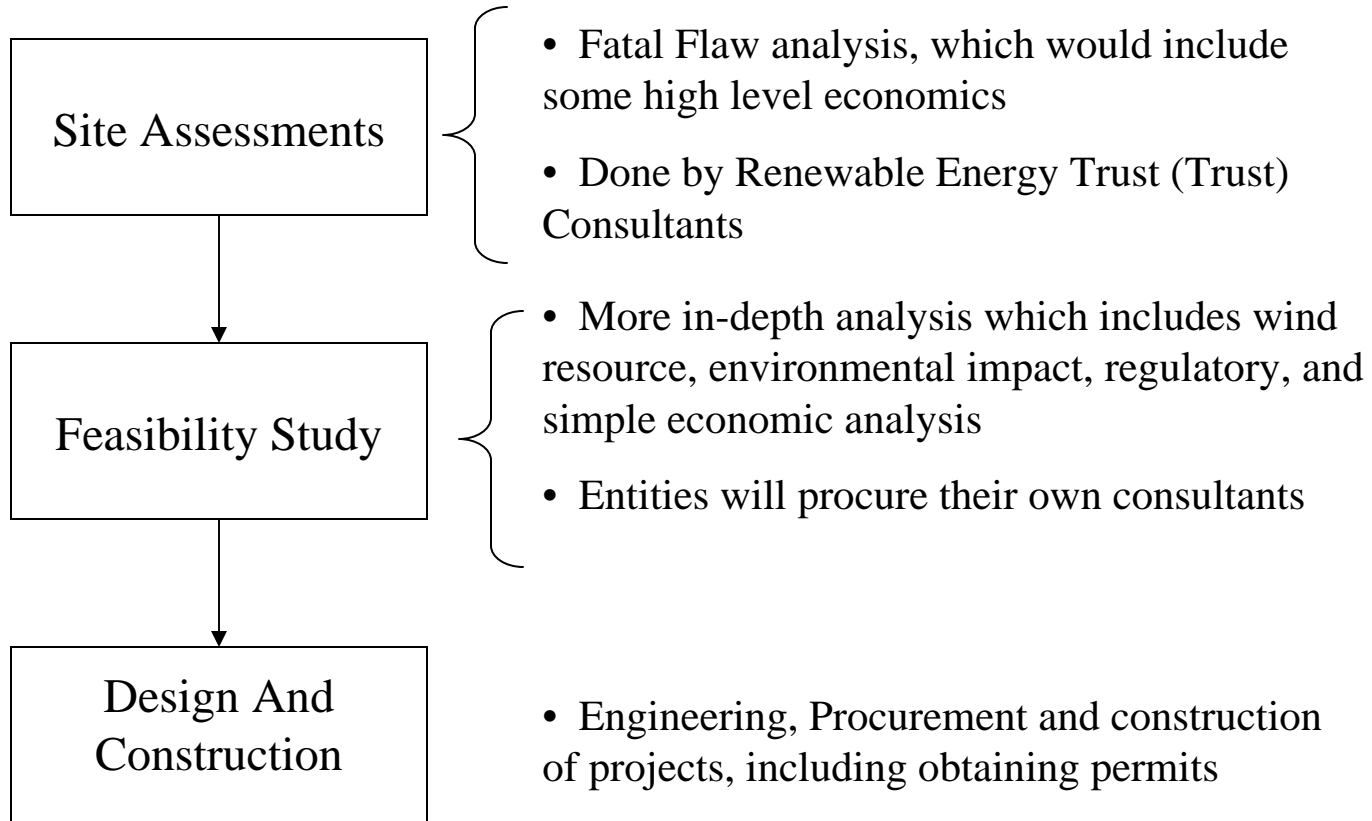
Funding via rebates, grants, loans



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# Three-step Community Scale Development Process



# Commercial Scale Development Process

- Coming soon!



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# CommWind Project Proponents

## Public Entities

- Community Scale
- Single or Multiple Turbines
- Virtual Net-metering

## Non-Public Entities

- Community or Commercial Scale
- Single or Multiple Turbines
- Virtual Net-Metering or Wholesale Market Participants





# RFP Purpose

1. Select technical consultants to help project proponents evaluate and develop wind power projects in the three step process
2. Consultants to help the Trust refine initiatives and evaluate proposals
3. Select a Renewable Energy Certificate (REC) Manager to manage the Renewable Energy Trust's portfolio of REC contracts



# Conflict of Interest

Individuals can work either directly for the Trust (e.g. this RFP), or for Trust Grantees, but not both simultaneously (see section 1.1 (c) (iii) of RFP)

# Summary of Services Sought




Service Category 1: Wind Project Site Assessments



Service Category 2: Wind Project Feasibility Studies



Service Category 3: Wind Resource Monitoring and Evaluation



Service Category 4: Specialized Services



Service Category 5: Development Support Services



Service Category 6: REC Contract Management

Service Category 7: Consultant Services to Support Trust Initiatives



# 2.1 Service Category 1

## Wind Project Site Assessments

**Summary:** Desktop and on-site review of sites for commercial or community scale projects

**Deliverable:** Report that includes

- 1) General Site Description
- 2) Predicted Wind Resource
- 3) Wind Turbine Component Transportation and Access
- 4) Distance to Transmission or Distribution lines
- 5) Distance to Neighbors (residential, commercial, etc.)
- 6) Potential for Adverse Noise or Shadow Flicker Impacts
- 7) Environmental Impacts and Permitting
- 8) Proximity to Airports
- 9) Potential On-Site Loads
- 10) Initial High-Level Economics

**Qualifications:** Prior experience and/or substantive knowledge to perform these tasks



## 2.2 Service Category 2

# Wind Project Feasibility Studies

**Summary:** Builds on Site Assessment, and helps determine overall project feasibility

**Deliverable:** Report that includes (see Attachment F)

- 1) Executive Summary and Recommendations
- 2) Wind Resource Evaluation
- 3) Project Site and Vicinity Evaluation
- 4) Environmental and Regulatory Review
- 5) Wind Plant Configurations
- 6) Project Development Donsiderations
- 7) Energy Production and Financial Analysis

**Qualifications:** Prior experience and/or Substantive knowledge to perform these tasks



## 2.2 Service Category 2

# Wind Project Feasibility Studies

Alternatively, Respondents may offer services associated with conducting a Feasibility Study on an a-la-carte basis, in areas such as:

1. Wind Turbine Siting
2. Turbine Transport Analysis to Evaluate the Feasibility of Delivery of Components to the Project Site
3. Project Cost Estimating/Budget Preparation
4. Energy Production Estimating
5. Economic Evaluations and Scenario Analysis
6. Environmental Impact and Permit Requirements
7. Scheduling
8. Operating and Maintenance Options
9. Financing Options

# 2.3 Service Category 3

## Wind Resource Monitoring and Evaluation

**Summary:** Procurement, siting, installation, maintenance and removal of wind data collection equipment, and analysis and reporting of wind data.

**Deliverable:** Report that includes

- Analysis of wind data collected through Meteorological Towers, SODAR, or LIDAR, over the span of one year or longer.

**Qualifications:**

- Prior experience conducting wind resource monitoring and analysis
- Substantive knowledge of the effects of physical obstructions on the wind resource and the siting of wind monitoring equipment

## 2.4 Service Category 4 Specialized Services

**Summary:** Services provided on an “a-la-carte” basis. Respondents can provide these services separately, and they include:

- **Airspace Reviews**
- **Transmission/Interconnection Analysis**
- **Engineering, Procurement, and Construction Support**

**Deliverable:** Dependent on service provided, and could include:

- **Airspace Reviews:** Report detailing airspace impacts of proposed wind turbines
- **Transmission/Interconnection Analysis:** Report with summarizing results of load-flow analysis
- **Engineering, Procurement, and Construction Support:** consulting services on an as-needed basis

**Qualifications:** Prior experience performing similar work



# 2.5 Service Category 5

## Development Support Services

**Summary:** Services provided on an “a-la-carte” basis. Services include

- Various levels of development support
  - High level: Preliminary Wind Project Development Considerations
  - Mid level: Detailed Wind Project Development
  - Running the show: Fee-based Development-for-hire
- Community and Education Regarding Wind Development Options

**Deliverable:** Dependent on service provided

**Qualifications:** Prior experience performing similar work and a proven track record of getting projects built



## 2.6 Service Category 6

# REC Contract Portfolio Management

**Summary:** Support management of the Trust's portfolio of long-term REC purchase and option agreements, including:

- Evaluate the market value of specific contracts
- Develop strategies for- and support efforts to sell or mutually terminate individual or groups of contracts
- Provide due diligence review of amendments to specific contracts

**Deliverable:** Reports of strategies as necessary

**Qualifications:** Substantive knowledge of energy and REC markets





# 2.7 Service Category 7

## Consultant Services to Support Trust Initiatives

### Summary:

- Support the Trust in refining initiative and application requirements
- Support the Trust in refining proposal evaluation tools
- Conduct technical and economic evaluations of proposals (including interaction with correspondents) and make recommendations to the Trust

Deliverable: Reports of strategies as necessary

Qualifications: Capabilities to provide the services given the broad areas of technical expertise required, which include but are not limited to: technical knowledge of energy markets, technical knowledge of relevant technologies, written communication skills, data gathering expertise, understanding of regulations associated with contracting with a state agency, development of economic models, strong analytical capacity;



# Submittal

## Must Include:

1. Executive Summary
2. Statement of Firm Qualifications
3. Staff Qualifications
4. References
5. Indicative Costs (some may be lump sum costs)
6. Billing Rates and Structure
7. Tax Law Compliance
8. Completed Attachments A, B, C, D



# RFP Schedule

**May 27, 2009**

**RFP Issued**

**June 8, 2009**

**Respondents' Conference**

**June 10, 2009**

**Deadline for all questions and clarification inquiries**

**June 19, 2009**

**Deadline for all answers to Respondents questions.  
(posted to website)**

**July 1, 2009**

**Responses due by 3:00 p.m.**

**July 27, 2009**

**Deadline for Execution of Master Service Agreement**





# How Services Will Be Provided

## Section 4 of RFP

*This RFP does not commit MTC to select any firm, award any work order, pay any costs incurred in preparing a response, or procure or contract for any services or supplies*

Selected Respondents will execute a Master Services Agreement (MSA).

Subsequently, the Selected Respondent will be assigned certain tasks to be performed in accordance with the MSA. (NOTE: Any comments on the MSA must be submitted along with the RFP response on July 1.)





# Reminders – Public Records

## **READ ATTACHMENT A OF RFP CAREFULLY**

*The Massachusetts Technology Collaborative, the Massachusetts Renewable Energy Trust which it administers, and John Adams Innovation Institute (collectively referred to herein as “MTC”) are subject to the requirements concerning disclosure of public records under the Massachusetts Public Records Act, M.G.L. c. 66 (the “Public Records Act”), which governs the retention, disposition and archiving of public records.*

*As a result, any information submitted to MTC by a grant applicant, recipient grantee, Respondent to a request for response (including, but not limited to an RFQ, RFP and RFI), contractor, or any other party (collectively the “Submitting Party”) is subject to public disclosure as set forth in the Public Records Act.*





# Reminder – Conflict of Interest

## **SEE SECTION 1.1 (c) (iii) OF RFP DOCUMENT**

It is the policy ( the “Procurement Conflicts Policy”) of MTC that individuals and/or the primary personnel of entities currently party to an unexpired Master Service Agreement with MTC may not, as a general rule, provide professional services to any MTC grantee (the “Grantee”) for so long as the Master Service Agreement is in effect. In addition, individuals and/or the primary personnel of entities currently providing professional services to a Grantee pursuant to a contract (the “Service Contract”) may not, as a general rule, provide professional services of any kind to MTC for so long as such Service Contract is in effect. The foregoing policy is a preventive measure intended to avoid actual or apparent conflicts of interest under M.G.L. c. 268A.





# Additional Reminders

- Check website periodically for any RFP updates or modifications
- Respondents are responsible for any changes made to RFP

Website:

[www.masstech.org/agencyoverview/rfps/wind/wind\\_tech\\_consult.html](http://www.masstech.org/agencyoverview/rfps/wind/wind_tech_consult.html)



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Questions can be submitted to  
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