



PA Green Energy Works!

**WIND DEPLOYMENT AND INTERCONNECTION
PROJECTS**

Application and Guidelines

Application Deadline –December 31, 2009



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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PA Green Energy Works! Creating Green Energy and Green Jobs in Pa's Communities

Through the American Recovery and Reinvestment Act of 2009 ("ARRA"), the Commonwealth of Pennsylvania through the Pennsylvania Department of Environmental Protection ("Department" or "DEP") is offering a one-time grant for the deployment of shovel-ready wind energy projects.

Using ARRA funds to quickly deploy large projects that put Pennsylvania labor back to work, we are striving to use local Pennsylvania products to build long lasting green energy generating facilities.

Substantial projects are needed to jump start our economy and these significant green energy generating projects will increase the availability of and immediate benefits from green energy in Pennsylvania.

PA Green Energy Works! is demanding significant leveraging to allow the recovery dollars to be invested in a manner that has the greatest immediate return on investment for Pennsylvanians. PA Green Energy Works! projects will be deployed expeditiously and will set an example for all of Pennsylvania that green energy and green jobs are the future of economic development and power production.

The goals of this \$19.8 million grant solicitation is to support the deployment of wind energy projects in Pennsylvania and are as follows

- The creation of new jobs and the retention of existing manufacturing jobs in Pennsylvania and increased productivity to spur economic growth and community development;
- Accelerated deployment of Pennsylvania market-ready wind energy technologies and equipment manufactured in Pennsylvania;
- To support disadvantaged businesses conducting work in the renewable energy market place in Pennsylvania.

Pennsylvania will begin accepting applications for PA Green Energy Works! Wind upon the program opening date. The deadline for the applications to be submitted is December 31, 2009. Applications received after the due date will not be reviewed or scored and will not be eligible for funding.

Authorization for Funding

All funding for this program is Federal Funding appropriated by The American Recovery and Reinvestment Act of 2009 (ARRA), Public Law 111-5. ARRA appropriates funding for the Department of Energy (DOE) to issue/award formula-based grants under the State Energy Program.

Part I

General Information

- PA Green Energy Works! Wind is a one-time competitive grant program. Projects will be competitively reviewed and evaluated based on criteria outlined in **the Application Evaluation Criteria** section of this guidance document. DEP reserves the right to decline applications based on technical deficiencies, lack of financial assurance, or other reasons impacting the eligibility of the project at the discretion of the agency.
- Work funded under this grant must be completed prior to April 30, 2012. Applicants must certify in their application a project schedule in accordance with these time constraints.
- PA Green Energy Works! Wind will not pay for work performed prior to the availability of funds or prior to the grant award date.
- The project must result in the creation or retention of part-time or full-time temporary and permanent jobs.
- Applicant must not have any outstanding obligations to the commonwealth, including payment of all state and local taxes, or unresolved compliance issues with DEP. If obligations or compliance issues exist, a resolution plan to satisfy any obligations and compliance issues should accompany the application.
- All projects must be in compliance with all applicable laws at all times.
- Written consent of property owners must allow DEP access to project sites for the purposes of inspection.
- Subject to the availability of funds and the compliance with the terms and conditions of a fully executed grant agreement, all eligible expenses enumerated in the contract will be paid in a reimbursement manner only after project implementation and proof of payment is provided to DEP.
- Although Green Energy Works! funds can not be used for construction expenses, it is possible that using these funds for non-construction elements of a project that otherwise involves construction may trigger state and federal prevailing wage requirements. For example, Section 1606 of ARRA requires that laborers and mechanics employed by contractors and subcontractors on projects funded directly by or assisted in whole or in part pursuant to ARRA shall be paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by the U.S. Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code.
- Using these funds may trigger the Buy American provision in The American Recovery and Reinvestment Act of 2009 (ARRA). Section 1605 of Title XI directs that subject to certain exceptions, no funds appropriated or made otherwise available for a project may be used for the for the construction alteration or repair of a public building or public work unless all the iron, steel and manufactured goods used are produced in the United States.

Eligibility – Wind Projects

A Green Energy Works! Wind application proposes a project that uses grant funds matched to private investment so that a wind energy system of at least 3 MW of nameplate capacity is deployed in Pennsylvania using Pennsylvania goods and services to the greatest extent possible.

Eligible applicants include

- **Business** – corporations, partnerships, sole proprietorship, limited liability company, business trust, or other legal business entities
- **Non-Profit Corporations** – Incorporated not for profit organizations that maintain 501(c)(3) status with the U.S. Internal Revenue Service and is that is also registered with the PA Bureau of Charitable Organizations
- **Universities** – Colleges or Universities located within Pennsylvania
- **An Economic Development Organization** – a nonprofit corporation or association whose purpose is the enhancement of economic conditions in their community.
- **A Political Subdivision** – A Pennsylvania municipality or county
- **A Municipal Electric Utility**
- **A Municipal Authority**

Eligible Wind projects include, but are not limited to

- Purchase and installation of equipment used to produce wind generated energy for projects of at least 3 MW of nameplate capacity.
- Purchase and installation of equipment used to distribute energy, including interconnection costs and network upgrades, from a wind energy project of at least 3 MW of nameplate capacity.

Mandatory Wind Project Requirements

- All projects must be physically located in Pennsylvania.
- All project proposals must be for a minimum of \$250,000
- No project proposal request may exceed \$19.8 Million
- All applicants intending to deploy a wind energy system in Pennsylvania must become a signatory to the Pennsylvania Game Commission's Voluntary Wind Energy Voluntary Cooperation Agreement for the project under consideration. Visit the Game Commission's Wind Energy web page for more information:
<http://www.pgc.state.pa.us/pgc/cwp/view.asp?a=483&Q=175703&PM=1>
- Funding provided by DEP for the project cannot be used for the following:
 - For any work related to construction of new building projects or for non-energy-related alteration or upgrades or repair of buildings or structures;
 - To purchase land, a building or structure or any interest therein;
 - For transportation projects;
 - To subsidize utility rate demonstrations or state tax credits for energy conservation measures or renewable energy measures; or
 - To conduct, or purchase equipment to conduct, research, development or demonstration of energy efficiency or renewable energy techniques and technologies not commercially available;

- For any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool;
- To supplant or replace existing state, rate payer or other funding.

Each Green Energy Works! Wind project must document that it meets the following obligations of the National Environmental Protection Act (“NEPA”).

Funded Green Energy Works Wind projects **will not**:

- (1) Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including requirements of DOE and/or Executive Orders;
- (2) Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators);
- (3) Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; or
- (4) Adversely affect environmentally sensitive resources. Environmentally sensitive resources include, but are not limited to:
 - (i) Property (e.g., sites, buildings, structures, objects) of historic, archeological, or architectural significance designated by Federal, state, or local governments or property eligible for listing on the National Register of Historic Places;
 - (ii) Federally-listed threatened or endangered species or their habitat (including critical habitat), Federally-proposed or candidate species or their habitat, or state-listed endangered or threatened species or their habitat;
 - (iii) Wetlands regulated under the Clean Water Act (33 U.S.C. 1344) and floodplains;
 - (iv) Areas having a special designation such as Federally- and state-designated wilderness areas, national parks, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, and marine sanctuaries;
 - (v) Prime agricultural lands;
 - (vi) Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region); and
 - (vii) Tundra, coral reefs, or rain forests.

Funded Green Energy Works Wind projects **will**:

- (1) Require a waste management plan addressing waste generated by a proposed project prior to project commencing.
 - (i) The waste management plan will describe the grantee’s plan to dispose of any sanitary or hazardous waste (e.g., construction and demolition debris, old light bulbs, lead ballasts, piping, roofing material, discarded equipment, debris, and asbestos) generated as a result of the proposed Project and complies with all Federal, state and local regulations for waste disposal.
- (2) Require documentation that a grantee will comply with Section 106 of the National Historic Preservation Act (NHPA) prior to project commencing.
 - (i) If applicable, a grantee may need to contact the State Historic Preservation Officer (SHPO), and the Tribal Historic Preservation Officer (THPO) to retain sufficient documentation, to demonstrate that a Sub-recipient has received required approval(s) from the SHPO or THPO for the Project.

Part II

Application Requirements

Applications

Applications will be evaluated based solely on the data provided; therefore, completeness and accuracy are important. Applications that do not meet the requirements for the program will not be reviewed and are not eligible for funding.

- The application, project description and budget sheets must:
 - Be complete and be submitted with an original ink signature on the signature page, along with all required attachments.
 - Include supporting documentation; and
 - Be in compliance with all application requirements below.
- If permits or other environmental permits or approvals are required for the project and the applicant has received a permit or approval, the applicant must include a copy of the permit or approval with the application. If a permit or approval has not yet been received prior to the application, a copy of the permit or approval must be supplied to the department prior to the first payment.
- The application must include a spending plan for the project which indicates that, at a minimum, the times when funds are expected to be required to be transferred from the Department to the grantee.
- The applicant must provide an accounting of jobs created and retained.
 - Jobs created shall be limited to full-time and part-time jobs created by a project developer or its subcontractors. "Jobs created" means those new positions created and filled, or previously existing unfilled positions that are filled, as a result of this funding award. Jobs claimed as jobs created shall include a certification from the employer that the provision of this funding will indeed result in the creation of the number of jobs claimed.
 - Jobs retained shall be limited to full-time and part-time jobs created by a project developer or its subcontractors. "Jobs retained" means those previously existing positions that are retained as a result of this funding award. Jobs claimed under retained shall include a certification from the employer that the provision of funding will indeed retain the number of jobs claimed.
- Projects may be subject to federal laws governing wages as well as Pennsylvania Prevailing Wage Act requirements.
 - Proposals shall provide written assurance that all laborers and mechanics on projects funded directly by or assisted in whole or in part by and through funding appropriated by the American Recovery and Reinvestment Act of 2009 (ARRA) are paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by subchapter IV of Chapter 31 of title 40, United States Code (Davis-Bacon Act). It is solely the responsibility of a grant recipient to ensure the Act is followed if applicable.
 - Construction projects with a cost in excess of \$25,000 may be subject to Pennsylvania's Prevailing Wage Act requirements. For information about the applicability of Prevailing Wage, applicants are encouraged to contact the Department of Labor and Industry at (717) 705-7256 or (800) 932-0665 or visit the Web site at

www.dli.state.pa.us. It is solely the responsibility of a grant recipient to ensure the Act is followed if applicable.

- Applicants must submit any applicable equipment specifications, maps, drawings or photos associated with your project. All applications which involve deployment of distributed energy systems must include a description of the equipment to be deployed which is stamped by a professional engineer.
- PA Green Energy Works! Wind grant proposals are public documents and subject to disclosure to the public upon request. Any information included in the grant proposal that the applicant wishes the commonwealth to consider as proprietary must be on a separate sheet of paper and must be clearly marked as proprietary.

Disadvantaged Business Enterprise Recommendations

Pa Green Energy Works! encourages participation by small disadvantaged businesses as prime contractors, joint ventures, and subcontractors/suppliers and by socially disadvantaged businesses as prime contractors.

In addition to complying with existing Commonwealth policy requirements relating to the solicitation and utilization of small disadvantaged businesses, Grantees shall make reasonable and good faith efforts to provide maximum practicable opportunities for small disadvantaged businesses to participate as contractors, professional service providers, subcontractors, and suppliers. Grantees, at a minimum, shall be required to:

- a. Consult with the Department of General Services' Bureau of Minority and Women Business Opportunities to ensure significant ARRA opportunities for small certified MBEs and WBEs unless the Department of General Services agrees that grantee participation in outreach activities will satisfy this requirement;
- b. Participate in outreach activities and events to increase small disadvantaged business interest and participation in ARRA opportunities;
- c. Use the Department of General Services' Web site (www.dgs.state.pa.us) to identify certified MBEs and WBEs on solicitation lists;
- d. Include certified MBEs and WBEs on solicitation lists;
- e. Prepare and keep records of solicitations, including a bid tabulations, showing names of all firms solicited and the dollar amount of the bid, quote or proposal, as well as copies of all bids, quotes, and proposals received; and
- f. Provide monthly reports to the Department of General Services' Bureau of Minority and Women Business Opportunities on MBE and WBE utilization.

Application Evaluation Criteria

Applications submitted to PA Green Energy Works! – Wind will be competitively evaluated using the following considerations:

- Technical merit and financial feasibility of the project;
- Project readiness and whether the applicant has demonstrated that the work to be funded under this grant can be completed prior to April 30th 2012;
- Whether distribution projects have a queue position with PJM Interconnection, LLC
- The level of Non-PA Green Energy Works! matching investment in the project;
- Cost-effectiveness of the energy generated or produced by the project; projects that generate more energy per dollar and that have lower cost per unit of capacity will be more likely to be funded;
- Number and quality of jobs created or retained by the project;
- Whether all land use aspects of the project are consistent with local zoning and planning requirements;
- The nation and state of origin of equipment/components used in the project;
- Whether the project will use a Disadvantaged Business Enterprise, which includes disadvantaged, minority, women owned and small business enterprises;
- Qualifications of the applicant or contractor;
- Useful life of the project;
- The use of equipment and materials manufactured in Pennsylvania; and,
- The creation of co-benefits for other renewable and alternative energy production projects.

Application Submission and Deadline

Applications will be received anytime after the grant opening date until the application deadline of December 31, 2009 at 4:00 p.m. Submit an original and three copies containing all required attachments, to the DEP Grants Center. An original ink signature page must be submitted

E-mails or faxes will not be accepted. Applications submitted after the closing date will not be considered. **Incomplete applications will not be considered.** Do not submit separate attachments other than those specifically called for in the instructions.

Please Submit Applications to:

**DEP Grants Center – Green Energy Works – Wind
15th Floor Rachel Carson State Office Building
400 Market Street
P.O. Box 8776
Harrisburg PA 17105-8776**

Grant Award and Contract Conditions

- Projects selected for funding will receive a letter from the DEP Secretary or designee, addressed to the contact person specified in the application.
- Disbursement of grant funding is contingent upon availability and release of funds.
- Grant recipients will be assigned a DEP project advisor.
- Grant recipients will execute a grant agreement.
- Some projects may require additional review under the National Environmental Policy Act (NEPA) of 1969 – 42 U.S.C. Section 4321 et seq. Applicants for these projects may be asked to provide supplementary environmental information in order to receive an award. This process may delay the award process. Grantees may need to complete the Environmental Checklist (DOE PMC EF-1) on-line at the following site: <https://www.eere-pmc.energy.gov/NEPA.asp> .
- If the spending plan or any other grant condition is not adhered to, **DEP reserves the right to terminate the project and/or recover funding from grantees that are not properly managing the funding in accordance with the conditions of the program and the grant agreement.**
- **Matching funds provided by the applicant must be spent during the period of performance. No credit will be given for funds spent prior to the Grant Award. Matching funds must correspond to eligible categories as outlined in the project budget.**
- Time Extensions to the project completion date will not be granted.
- The project and work to be funded must be completed as described in the application and grant agreement. Modifications will not be considered except for very limited scope and budget changes. These changes include replacements of equal quality and function and reallocation of contract budget category dollar amounts to and from other budget categories, as long as the maximum contract dollar amount payable by DEP to the recipient is not exceeded. All changes must be approved by the project advisor.
- Grant recipients who have not had previous contracts or grant agreements with the commonwealth will be required to submit a Form W-9, Request for Taxpayer Identification Number and Certification.
- Funded work may begin after grant award and payment requests may be submitted after the grantee and the commonwealth have signed the grant agreement.
- Grantees must secure all permits or approvals otherwise required for the project to proceed. This includes any permits required by DEP.
- Grant recipients must comply with all local, commonwealth and federal requirements in the implementation of the project.
- Grant recipients who claimed the use of a Small Disadvantaged Businesses certified by BMWBO as an MBE/WBE must provide a photocopy of their BMWBO certificate.
- If permits or other environmental permits or approvals are required for the project a copy of the permit or approval must be supplied to the department prior to the first payment.
- Grantees will be paid for funds expended only during the period of performance.
- Grant recipients must properly manage and account for funding received. A complete spending record for all expenditures will be required, including invoice receipts, logs of record and other properly certified documents. Documentation will be required for matching funds as well as DEP funds. The funding must be spent in accordance with the spending plan included in the application and grant agreement. **DEP reserves the right to terminate the project and/or recover funding from grant recipients not properly managing the funding in accordance with the conditions of the program and the grant agreement.**

- DEP reserves the right to inspect any project financed with PA Green Energy Works! funds and to audit or require a third-party audit of any project's financial transactions or compliance with agreement terms.
- Progress reports must be submitted in accordance with the grant agreement. The grantee must submit additional information as requested.
- A final report detailing project successes, problems, failures and measurable energy, economic, and environmental benefits is required. Information on how many jobs were created or retained by the project will be required. Final report must be submitted in a format acceptable to DEP. Failure to submit final report in appropriate format and within the required time frame may result in loss of final 10 percent of grant funding.
- Grantees will be required to submit a follow up status report, including performance measures, and jobs created or retained, one year after the project completion date.
- **Failure to comply with the spending plan, reporting requirements or other requirements of the grant agreement may result in immediate termination of the grant and full recovery of any and all grant funds.**
- Projects may be subject to federal laws governing wages as well as Pennsylvania Prevailing Wage Act requirements.
 - Grantees shall insure where necessary that all laborers and mechanics on projects funded directly by or assisted in whole or in part by and through funding appropriated by the American Recovery and Reinvestment Act of 2009 (ARRA) are paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by subchapter IV of Chapter 31 of title 40, United States Code (Davis-Bacon Act). It is solely the responsibility of a grant recipient to ensure the Act is followed if applicable
 - Grantees shall insure where necessary that construction projects with a cost in excess of \$25,000 which be subject to Pennsylvania's Prevailing Wage Act requirements are paid appropriate wages commensurate with the Act. For information about the applicability of Prevailing Wage, applicants are encouraged to contact the Department of Labor and Industry at (717) 705-7256 or (800) 932-0665 or visit the Web site at www.dli.state.pa.us. It is solely the responsibility of a grant recipient to ensure the Act is followed if applicable.

Part III

DEP CONTACTS

Applicants are strongly encouraged to contact the appropriate DEP staff to discuss the application before submittal.

Application Submission (Grants Center)

DEP Grants Center - 717-705-5400

Project-Related Inquiries (Central Office):

Kerry Campbell – 717-772-5985

GRANT APPLICATION INSTRUCTIONS

The instructions on the following pages describe the information required to complete the application. The application form and all attachments must be typed and all applicable parts completed. The information **MUST** be complete. **Incomplete applications will not be considered.** Do not submit separate attachments other than those specifically called for in the instructions.

Please be sure to indicate your organization and sign the signature sheet provided. The authorized representative signing this section must be authorized by a board of directors, governing entity, etc., as the legal signatory for the applicant and the person capable of entering into a contract with the commonwealth. The original signature **MUST** be dated.

- 1. Project Title:** Please give your project a descriptive title of fewer than 10 words. Please use this title for all correspondence regarding this project.
- 2. Project Site:** Please provide the complete mailing address *of the project location*, including the nine-digit Zip Code. Indicate the county(ies) and the municipality(ies) *where the project will be located*. Include the latitude and longitude at the project site. If your project is statewide, or will take place in more than one county, check the box and list as many as possible.
- 3. Applicant Information:** Be sure to use the applicant organization's legal name. Do not use fictitious names.

The DUNS Number field is a mandatory field on the application. The Federal government requires Pennsylvania to provide the DUNS number for grantees to whom federal grant funds are awarded. For information on how to get a DUNS number, visit <http://www.dnb.com.us>. The Dun & Bradstreet toll free customer service number is 800-234-3867.

- 4. Disadvantaged Business Enterprises (DBE = Disadvantaged business enterprises, which include disadvantaged, minority, women owned and small business enterprises):** Indicate whether the project will employ a disadvantaged business enterprise.
- 5. Signatory to Pa Game Commission Wind Energy Voluntary Cooperative Agreement:** Please indicate if you are a signatory to the cooperative agreement for the project you are proposing in the application.
- 6. PJM Interconnection Queue:** Indicate whether the interconnection project been registered with the PJM RTO and has been granted an interconnection queue position. Describe the queue position and number in the Detailed Project Description.
- 7. Facility or Infrastructure Projects:** For projects that involve developing facilities and infrastructure, state law requires DEP to consider local comprehensive plans and zoning ordinances in funding decisions. All applicants must answer the related question on the application.

"Infrastructure" is a permanent structure for electric delivery systems. "Facilities" are buildings and other structures that involve new land development or result in a change to the existing use of land.

- 8. Permits or Approvals:** Indicate whether permits are needed for the project. If so, and a permit has been obtained, include a copy of the permit in Attachment D. If a permit is required and has not been obtained, a copy will need to be submitted to DEP prior to request for payment.
- 9. Other Submissions:** Has this project been submitted to any other state, federal or foundation grant program, or to any other potential funding source? If so, please specify which programs have been solicited. Please also include the date you expect to be notified of your award.
- 10. Other ARRA Funding:** Indicate whether the applicant has received, or is expected to receive, any other funding from the American Recovery and Reinvestment Act of 2009. If so, state how much will be received.

11. **Project Duration:** Please indicate the length of the project in months. Work funded under this grant must be completed by April 30th 2012.
12. **Budget Summary:** Please complete the budget data requested on the form. The bold black box will contain the amount of money you are requesting of PA Green Energy Works!. A detailed budget worksheet must also be completed and submitted with the application. The budget worksheet is intended to support, and provide detail to the budget summary. Please provide sufficiently detailed budget information to illustrate the cost effectiveness of the proposal. The included sheets must be used.
13. **Periods of Reimbursement:** Please identify the timeframe in which your grant funds will be requested for reimbursement of expenditures. This information will assist DEP in budgeting for grant payments. **NOTE –** No funds will be reimbursed for any costs expended or incurred prior to the date of the grant award.
14. **Summary Statistics:** Summarize the expected energy, economic and environmental results or benefits and define measures of success in quantitative terms in the table. Please provide details in the project description of how these results were calculated, and how they will be measured upon completion of the project. This description must be completed and attached to the application as described in 16C of the instructions.
15. **Detailed Budget Worksheet:** Please complete the detailed Budget Worksheet included with the application form. The worksheet included as part of the application form must be used. Please include sheets that provide additional clarification. The worksheet must be completed in full; and, the data must match the information provided in the Budget Summary table. The Budget Worksheet is intended to support, and provide detail to the budget summary. Please provide sufficiently detailed budget information to illustrate the cost effectiveness of the proposal. The included sheets must be used.

Only monies being requested of PA Green Energy Works! are included under the heading of "Grant Request" on the budget summary and items 1-3 on the Budget Worksheet. Matching funds are to be placed in the second column of the budget summary and the source of any matching funds identified on part 4 of the Budget Worksheet. All in-kind and cash match contributions must be substantiated by commitment letters. Match cannot include funds or in-kind services provided by DEP. All match must be expended during the grant period. Funds expended prior to the grant period of performance cannot be claimed as match.

All costs incurred directly should be identified on the budget worksheet in items 1 and 2. All costs incurred by the applicant's contractor and then billed to the applicant go under budget worksheet item 3.

Any of the following costs are allowable if the necessity to the project can be clearly demonstrated, and are allowed by the specific funding source:

- Regular or supplementary staff salaries and wages, and associated employee benefits.
- Materials and supplies, including non-construction materials, equipment, small tools, office supplies, educational materials and signs.
- Professional and contractual services directly related to the project.
- Equipment necessary for the conduct of the project.

The following costs are not allowed under any circumstances:

- Costs associated with lobbying
- Entertainment
- Food not associated with approved travel, and
- Clothing such as hats, or tee shirts.

16. Attachments A-E:

Reminder: PA Green Energy Works! - Wind grant proposals are public documents and subject to disclosure to the public upon request. Any information included in the grant proposal that the applicant wishes the commonwealth to consider as proprietary must be on a separate sheet of paper and must be clearly marked as proprietary.

Attachment A - Executive Summary: Provide an abstract of the proposal that briefly describes how the project will contribute to the desired outcomes of the program. It should be clear, concise, specific and no longer than 200 words.

Attachment B - Detailed Project Description: Provide a detailed project description focusing on the following items:

1. Goals and objectives: Describe the project's goals and objectives, including energy, economic and environmental benefits.
2. Business plan: Applicants should show their ability to complete the project through a business plan, show their need for funding through economic analysis, and demonstrate cost effectiveness for benefits received. These elements should be provided in a concise manner that relates directly to the project. This plan should show that the project is financially feasible within the budget provided in the application and as such the project could not go forward without the applied for funds. Inclusion of a business plan and a proforma financial statement for the project is required.
3. Feasibility: Applicants should identify that the project is technically feasible and that the applicant or the developer has the qualifications to implement the project. Applicants shall also show that the interconnection project has registered with the PJM RTO and has been granted an interconnection Queue position. Please identify any problem that may exist regarding implementation of the project. Explain why the problem exists, and how your proposal addresses the problem. Explain why your proposal should be funded, and elaborate on its cost-effectiveness and environmental and energy benefits. Provide literature references where appropriate.
4. Partnerships and Contracted Relationships: Applicants should identify any other organizations that will help to complete the project and specify the nature of their participation. Discuss in-kind services or match contributions. When calculating volunteer salaries, please use values commensurate with their professional ability and qualifications. If you have not yet identified your contractors, please specify how you will select them.
5. Work Plan with Schedule: Applicants should provide an implementation schedule identifying sub-tasks, schedule for their completion, and naming parties responsible for their accomplishment.
6. Equipment Disposition: If applicable, Applicants should describe how property or equipment acquired with the grant will be disposed of or converted for continued grantee use. (Equipment may revert to the state unless a written request for conversion has been received and approved.)

Attachment C - Summary Statistics: Please explain in detail how each of the project summary statistics provided on #14 of the application were calculated, and how these results will be measured upon completion of the project.

- Items A-E Energy and Economic benefits: Applicants should identify the energy and economic benefit of the project. Each project must demonstrably create or retain jobs.
 - Jobs created shall be limited to full-time and part-time jobs created by a project developer or it's subcontractors directly relevant to the project. Jobs claimed as jobs created shall include a certification from the employer that the provision of this funding will indeed result in the creation of the number of jobs claimed.
 - Jobs retained shall be limited to full-time and part-time jobs retained by a project developer or it's subcontractors directly relevant to the project. Jobs claimed under retained shall include a certification from the employer that the provision of funding will indeed retain the number of jobs claimed.

Additional potential benefits such as the value of materials manufactured in PA used in the project limited to Turbines, blades, towers and nacelles as well as the value of materials manufactured in PA used in the project limited to conductors, transformers, or other material and equipment required to interconnect the project to the grid (\$) should be described as completely as possible. Such enumeration of benefits should include careful estimates and calculations.

- Item F Environmental Benefits
 - Environmental and Energy Benefits: Applicants should include a clear description of expected environmental and energy benefits. Such enumeration of benefits should include careful estimates and calculations. Estimates and calculations include the economics (e.g., the cost per Kwh) and the environmental improvements (e.g., pounds of pollutant reduction). For projects claiming a benefit to air quality, emphasis should be placed on reductions in nitrogen oxides, volatile organic compounds, particulate matter and toxic pollutants. There are many Web sites that can help you determine the environmental benefits of reducing your conventional energy use. The following Web sites are examples:
http://www.eia.doe.gov/cneaf/electricity/st_profiles/pennsylvania.html ;
<http://www.onlineconversion.com/energy.htm>;
 - Others exist at www.epa.gov .

Attachment D – Permits and Approvals: Attach any permits or approvals obtained, if applicable.

Attachment E - Letters of Commitment: Please attach any letters of financial commitment, any letters of support and any other pertinent information suitable for review.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PENNSYLVANIA PA GREEN ENERGY WORKS! WIND GRANT
PROJECT APPLICATION 2009

This form is to be used to apply to the Department of Environmental Protection for an PA Green Energy Works Grant. Projects will be supported through Federal funds. See instructions and grant program conditions.

Applicant: I certify that the information in this application is true and correct to the best of my knowledge.

Submitted By: Applicant Organization Date

Printed Name Signature Title

1. Project Title (ten word maximum):

2. Project Site. Mailing Address at Project Site:

Nine-digit Zip Code (mandatory)

County(ies): Check if multiple counties or statewide

Municipality(ies):

Latitude: Longitude:

3. Applicant Legal Name:

Address:

Contact Person:

Phone: Fax: E-Mail:

Organization type: (Specify)

Applicant's Federal Employer Identification Number (FEIN) or SAP Vendor Number:

Does applicant have any outstanding obligations to the Commonwealth? Yes No

Does applicant have any unresolved compliance issues with DEP? Yes No

Organizational DUNS:

Does the applicant have 501 (c) (3) status? Yes No

Is applicant registered with the PA Bureau of Charitable organizations and incorporated? Yes No

4. Will the project employ a DBE? (DBE = Disadvantaged business enterprises, which include disadvantaged, minority, women owned and small business enterprises) Yes No

5. Is the applicant a signatory to the PA Game Commission Wind Energy Voluntary Cooperation Agreement for the project under consideration? Yes No

6. Has the interconnection project been registered with the PJM RTO and has it been granted an interconnection queue position? Yes No

7. Are facilities or infrastructure projects to be funded under this application? Yes No
If yes, is your project consistent with a county, municipal or multi-municipal comprehensive plan or zoning ordinance? Yes No

8. Does this project require permits or approvals? Yes No

If so, and a copy of a permit or approval has been received, include it as Attachment D. If a permit or approval has not been received, it will need to be submitted to DEP prior to request for payment.

9. Has this proposal been submitted to another source for funding? Yes No

Name of other source and anticipated announcement date: _____

10. Has or will the applicant received any other funding from the American Recovery and Reinvestment Act of 2009?

Yes No

If so, how much funding has been applied for (not including this proposal)? _____

11. Identify the project duration in months _____ Will the project be completed by April 30, 2012? Yes No

12. Budget Summary (Must be consistent with the attached Detailed Budget Worksheet)

Category	Grant Request (from DEP)	+	Match (from Applicant)	=	Project Cost (Total)
Salaries/Benefits		+		=	
Equipment and Supplies		+		=	
Contractual		+		=	
Total for each column:					

13. Indicate the total reimbursement you will request during the following periods (please ensure that the numbers add up to the requested grant amount):

NOTE – The timeframes below are for DEP budget purposes only. **No funds will be reimbursed for any expenses incurred prior to the date of the grant award.** The total project must be completed by April 30, 2012.

January – June 2010 \$ _____
 July – December 2010 \$ _____
 January – June 2011 \$ _____
 July – December 2011 \$ _____
 January – April 2012 \$ _____

14. Indicate the Proposed Project Summary Statistics your project will return when completed. Applicants should enter as much data as possible. Must be consistent with detailed statistics provided in the detailed project description.

Reminder: PA Green Energy Works! Wind grant proposals are public documents and subject to disclosure to the public upon request. Any information included in the grant proposal that the applicant wishes the commonwealth to consider as proprietary must be on a separate sheet of paper and must be clearly marked as proprietary.

A. Wind energy generation as a result of project deployment

Capacity Installed (MW)	Expected Generation (MWh/yr)	Electricity generated over project lifetime (MWh)	Value of electricity generated over project lifetime (\$)

B. Energy Generating Components manufactured, sold or deployed in PA

<i>(Insert more rows if necessary)</i>	Specify Type and where Manufactured	Quantity
Units/components manufactured		
Units/components manufactured		
Units/components manufactured		

- C. Cost Saving and Economic benefit as a result of project deployment
 - 1. Value of materials manufactured in PA used in the projects limited to Turbines, blades, towers and nacelles (\$) _____
 - 2. Value of materials manufactured in PA used in the project limited to conductors, transformers, or other material and equipment required to interconnect the project to the grid (\$) _____
- D. Number of NEW jobs created as a result of the project AT THE PROJECT SITE
 - 1. Permanent full-time _____
 - 2. Permanent part-time _____
 - 3. Temporary full-time _____
 - 4. Temporary part-time _____
- E. Number of jobs retained as a direct result of the project
 - 1. Permanent full-time _____
 - 2. Permanent part-time _____
 - 3. Temporary full-time _____
 - 4. Temporary part-time _____
- F. Environmental Benefit Data: Applicants should enter as much data as possible.

<i>(Insert more rows if necessary)</i>	Specify Type	Quantity
Air pollutant reduced	Nox	lbs/yr
Air pollutant reduced	Sox	lbs/yr
Air pollutant reduced	CO ₂	lbs/yr
Air pollutant reduced	Hg	lbs/yr
Air pollutant reduced		lbs/yr
Water pollutant reduced		lbs/yr
Water pollutant reduced		lbs/yr
Water conserved as a result of the Project		gals/yr
Solid residual or hazardous waste reduced – not disposed of per year		lbs/yr
Solid residual or hazardous waste reduced – not disposed of per year		lbs/yr
Number of PA Citizens directly educated		persons/yr

- 15. Please complete the detailed budget worksheet attached. Totals for each cost category should be entered on the applicable budget summary (item #12).
- 16. Attachments:

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 - A. Attach an executive summary of your project (200 words or less).
 - B. Attach a detailed project description as described in the instructions.
 - C. Attach detailed accounting of the Proposed Project Summary Statistics.
 - D. Attach any permits or approvals, if applicable.
 - E. Attach any letters of financial commitment.

Application Submission and Deadline

Applicants are strongly encouraged to contact the appropriate DEP staff to discuss the application before submittal.

Application Submission (Grants Center)

DEP Grants Center -717-705-5400

Project-Related Inquiries (Central Office):

Kerry Campbell – 717-772-5985

Applications will be received anytime after the grant opening date until the application deadline of December 31, 2009 at 4:00 p.m. Submit an original and three copies containing all required attachments, to the DEP Grants Center. An original ink signature page must be submitted

E-mails or faxes will not be accepted. Applications submitted after the closing date will not be considered. **Incomplete applications will not be considered.** Do not submit separate attachments other than those specifically called for in the instructions.

Please Submit Applications to:

**DEP Grants Center – Green Energy Works – Wind
15th Floor Rachel Carson State Office Building
400 Market Street
P.O. Box 8776
Harrisburg PA 17105-8776**

Pennsylvania PA Green Energy Works Budget Worksheet

This worksheet must be submitted with the application.
 Totals for each category should be entered on the application budget summary, item 12.

1. SALARIES/BENEFITS

INDIVIDUAL	POSITION	HOURLY RATE	HOURS	BENEFITS	TOTAL COST

2. EQUIPMENT and SUPPLIES

ITEM	QUANTITY	COST PER ITEM	TOTAL COST
TOTAL EQUIPMENT & SUPPLIES			

3. CONTRACTUAL

A. CONTRACTOR SALARIES (List billing rate by task. Salary ranges are not acceptable, see instructions)

TASK	CONTRACTOR	HOURLY RATE	HOURS	BENEFITS	TOTAL COST
TOTAL CONTRACTUAL SALARIES					

B. OTHER CONTRACTUAL EXPENSES

ITEM	COST
Permitting Application Fees (List FEE only)	
Other (List specific item)	
TOTAL OTHER CONTRACTUAL EXPENSES	

TOTAL CONTRACTUAL (=A+B)

CONTRACTOR SALARIES	OTHER CONTRACTUAL EXPENSES	TOTAL CONTRACTUAL

4. MATCH

Please use the following table to calculate matching contributions of cash, goods and services to be entered on the application form. Do not include other DEP provided funds or in-kind services. All items listed must be accompanied by a letter of commitment.

CONTRIBUTOR	BUDGET CATEGORY	DESCRIPTION	STATUS (applied for, pledged or in-hand)	VALUE in DOLLARS