

Qualification Requirements for Installing Small-Scale Solar Photovoltaic & Wind Energy Systems

NorthWestern Energy has developed qualification requirements for contractors interested in receiving Universal Systems Benefit (USB) renewable energy (RE) funds to install Solar Photovoltaic (PV) and Small-Scale Wind Systems. These qualification requirements are effective **June 1, 2009**. All contractors interested in receiving USB RE funds must meet these qualifications. Mail the application to Danie Williams at:

NorthWestern Energy
Attn: Danie Williams
40 East Broadway
Butte, MT 59701

Please submit a separate solar PV qualification application and a wind qualification application if you are applying for USB RE funds for solar PV and the small-scale wind systems.

If you do not meet the qualification requirements, and would like to be considered for future USB RE funds, please contact Danie Williams at 497-3516 for information on future safety training sponsored by NorthWestern Energy and organizations that provide training and education on renewable energy.

Solar PV Qualifications:

To be eligible to receive USB renewable energy funds from NorthWestern Energy for installing residential and commercial **Solar PV Systems**, the contractor must:

- a. Hold, in good standing, a current Journeyman or Masters Electrician License in the State of Montana, and,
- b. Demonstrate the successful completion of at least 8 hours of classroom instruction or training on installing solar PV systems, and,
- c. Demonstrate the successful completion of at least five residential or commercial grid-tie solar PV installations, and,
- d. Demonstrate the successful completion of OSHA approved safety training in the four areas noted in the OSHA/MREA Partnership Agreement (falls, electrical, struck-by hazards, and caught in-between hazards). This includes accident reporting and record keeping requirements.
- e. Must have a current Basic First Aid & CPR card.
- f. Hold, in good standing a current contractor license with the State of Montana, and
- g. Demonstrate the ability to meet all the Workers Compensation and Insurance requirements outlined in the Contract between NorthWestern Energy and the Contractor.

Or,

- a. Demonstrate the successful completion of coursework and passed the NABCEP solar PV certification program – including passing the NABCEP examination, and,
- b. Demonstrate the successful completion of a minimum of 10 residential or commercial solar PV grid-tie installations, and,
- c. Demonstrate the successful completion of OSHA approved safety training in the four areas noted in the OSHA/MREA Partnership Agreement (falls, electrical, struck-by hazards, and caught in-between hazards). This includes NFPA 70E awareness training, accident reporting, and record keeping requirements.
- d. Demonstrate the ability to comply with the State of Montana Electrical Standard relating to installations over 90 volts AC.
- e. Must have a current Basic First Aid & CPR card.
- f. Hold, in good standing, a current contractor license with the State of Montana, and
- g. Demonstrate the ability to meet the Workers Compensation and Insurance requirements outlined in the Contract between NorthWestern Energy and the Contractor.

**For questions related to the safety training and the OSHA/MREA Partnership Agreement, contact John Jones at High Mark Media: highmark@mac.com; (406) 465-5206 (preferred) or (406) 475-3551

Small-Scale Wind Qualifications:

To be eligible to receive USB renewable energy funds from NorthWestern Energy for installing residential and commercial **Small-Scale Wind Systems**, the contractor must:

- a. Hold, in good standing, a current Journeyman or Masters Electrician License in the State of Montana, and,
- b. Demonstrate the successful completion of at least five residential or commercial small scale wind installations, and,
- c. Demonstrate the successful completion of OSHA approved safety training in the four areas noted in the OSHA/MREA Partnership Agreement (falls, electrical, struck-by hazards, and caught in-between hazards). This includes accident reporting and record keeping requirements.
- d. Must have a current Basic First Aid & CPR card.
- e. Hold, in good standing a current contractor license with the State of Montana, and
- f. Demonstrate the ability to meet all the Workers Compensation and Insurance requirements outlined in the Contract between NorthWestern Energy and the Contractor.

Or,

- a. Demonstrate the successful completion of 8 hours of coursework on small-scale wind systems, and,
- b. Demonstrate the successful completion of a minimum of 10 residential or commercial small scale wind installations, and,
- c. Demonstrate the successful completion of OSHA approved safety training in the four areas noted in the OSHA/MREA Partnership Agreement (falls, electrical, struck-by hazards, and caught in-between hazards). This includes NFPA 70E awareness training, accident reporting and record keeping requirements.
- d. Demonstrate the ability to comply with the State of Montana Electrical Standard relating to installations over 90 volts AC.
- e. Must have a current Basic First Aid & CPR card.
- f. Hold, in good standing, a current contractor license with the State of Montana, and
- g. Demonstrate the ability to meet the Workers Compensation and Insurance requirements outlined in the Contract between NorthWestern Energy and the Contractor.

**For questions related to the safety training and the OSHA/MREA Partnership Agreement, contact John Jones at High Mark Media: highmark@mac.com; (406) 465-5206 (preferred) or (406) 475-3551

Qualification Requirement Form

Business Name: _____
Contractor Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

Submit copies or proof of Journeyman/Master Electrician License:

Or

Submit copies or proof of NABCEP Solar PV Coursework and Certification. Include classes attended and course title(s), instructor(s), instructor contact information and course location:

Proof of 8-hour instruction/training for Solar PV systems - include course title, instructor, instructor contact information and course location:

(for Contractor's that hold an Electrician's License only)

Proof of 8-hour Coursework for Small-Scale Wind systems – include course title, instructor, instructor contact information and course location:

(for Contractor's without Electrician's License only)

References for completed residential or commercial Solar PV grid-tie or Small-Scale Wind installations – include name, contact, address, phone number and a brief project description for each installation including system size, whether it is off-grid or grid-tie and whether it included battery storage, a UPS system or an emergency transfer switch:

(Include 5 for a Journeyman or Master Electrician)

(Include 10 for NABCEP Solar PV certification program or Small-Scale Wind Installations)

Proof of OSHA approved safety training in the four areas mentioned:

Proof of current State of Montana Contractor License:

Additional Information:

(if necessary)

