



Scope of Work – Electrician

Possible Tasks/Services:

- Install electrical work from the Disconnect to the Service Panel – The electrician will need to install the electrical AC disconnect for the system and also the conduit and wiring from the AC disconnect to the service panel that the wind turbine will be feeding into.
- Assist with acquisition of all electrical materials - Specific electrical materials will be needed for the wind turbine installation including such things as cabling, conduit, grounding wire, etc. It is ideal if the electrician can oversee the acquisition or purchase of these materials as to ensure the correct materials are collected. If the electrical materials cannot be donated it is assumed that the school will cover the costs of all necessary electrical materials with guidance from the electrician.
- If necessary, assist in the acquisition of an electrical permit – The requirement and acquisition of permits can vary between different localities. Depending on the needs of the supervising locality the electrician should be able to assist the school with acquisition of a needed electrical permit(s).
- Provide general electrical knowledge and expertise – Any information or guidance the electrician can provide to solving potential unforeseen issues with the wind turbine proposal, installation, or inspection would be appreciated and welcomed.

Electrical Materials Needed:

- (2) sticks of 10' PVC conduit, 1.00"
- (2) 90 degree PVC 1.00" elbows for foundation stub ups (One is for the wire, One is for the grounding)
- Grounding rod (8')
- bare copper wire about 12' long
- 2-Pole AC Disconnect
- 1.00" Conduit to install in trench from foundation to building
- Pull string
- (4) #8 stranded cable from tower to breaker with AC disconnect in between
- Conduit from AC disconnect back to service panel
- 20 amp breaker for panel

****The tasks and materials outlined on this page are general outlines based on experience from past Wind for Schools installations. Tasks and materials may be subject to change based on specific project needs.****



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