



City of Duquesne

Renewable Energy Permit Application

For Wind Energy Conversion and Solar Energy Systems

Applications must be made in person by the applicant/permit holder. Applicant takes FULL responsibility for this project from start to finish.

Permit fee and Inspection fees as set forth by Section 500.060 are to be collected at the time of application.

Property Owner (s): _____ Phone #(s): _____

Property Address: _____ Mailing Address: _____

Email Address: _____

Applicant's Name (if different): _____ Builder or other: _____

Email Address: _____ Phone #: _____

Subdivision: _____ Lot: _____ Zoning: _____ Property Size (acres or sq ft): _____

Contractor: _____ Phone #: _____

Address, City, State, Zip: _____

City of Duquesne License # _____

Type of Energy System to be installed: _____ WECS _____ Solar

Electrical Utility Supplier: _____ Phone #: _____

Utility company's approval for interconnection provided? ____ Yes ____ No

*Application process cannot be completed until letter of approval is provided. If provided, please attach.

WECS Information Needed:

A plot plan and development plan drawn in sufficient detail to clearly describe:

1. Property lines and physical dimensions of the site.
2. Location, approximate dimensions and types of major existing structures and uses on site.
3. Location and elevation of the proposed WECS.
4. Location of all above ground utility lines on site or within (1) radius of the total height of the WECS.
5. Location and size of structures and tress above thirty-five (35) feet within a five hundred (500) foot radius of the proposed WECS. For purposes of this requirement, electrical transmission and distribution lines, antennas and slender or open lattice towers are not considered structures.
6. Show the zoning designation of immediate and adjacent sites.
7. Include make, model, picture and manufacturer's specifications, including noise decibels.

Manufacturer: _____ Phone #: _____

Make/Model: _____ Noise Decibels: _____

Total Height from base of the tower to the highest point of the WECS. _____ ft.

Distance from ground to bottom of rotor when vertical to ground: _____ ft.

WECS to be located in _____ Side yard _____ Rear yard -Distance to property lines: N _____ S _____ E _____ W _____

Adjacent Properties: N: Address _____ Zoning _____

S: Address _____ Zoning _____

E: Address _____ Zoning _____

W: Address _____ Zoning _____

Continue on back

Tower access will have:

___ Tower climbing apparatus no closer than 12' to ground

___ A locked anti-climb device installed on the tower

___ Tower is completely enclosed by a locked, protective fence at least six (6) feet high. Fence permit needed? ___

Only monopole, non-commercial WECS are permitted.

Solar Energy System Information Needed:

A plot plan and development plan drawn in sufficient detail to clearly describe:

1. Property lines and physical dimensions of the site.
2. Location, approximate dimensions and types of major existing structures and uses on site.
3. Location and elevation of the proposed Solar Energy System.
4. *Roof mounted systems:* require drawings indication roof dimensions, a North arrow and bar scale of drawing, show all ridge line or parapets for roof-mounted solar system. Identify all vents, chimneys, or other apparatus, including vertical objects (ie Trees) that may affect the placement of the panel. Provide details of the overall size of the panel array and the arrangement of the array.
5. *Ground mounted system:* requires drawings including North arrow and bar scale, lot dimensions, identify all streets adjacent to lot, identify easements and setbacks, provide details of solar unit's maximum height and grade and overall size of panel array, and any screening details (vegetation, fencing, etc.), provide distances from existing structures, trees, fences, and adjacent property lines.
6. A licensed Missouri engineer seal for any applicable set of plans.
7. Electrical, plumbing, and structural engineering information and drawings.
8. Provide detailed drawings of support structures or footings where applicable.
9. A picture showing the sample colors for the proposed solar energy system and the structure's roof material.
10. Include make, model, picture and manufacturer's specifications.

Manufacturer: _____ Phone #: _____

Make/Model: _____

Solar Energy System: Ground mounted: ___ Rear Yard ___ Side Yard or Roof mounted ___

If Ground mounted or flat roof top mounted, what type of screening will be used? _____

If roof mounted: ___ Front ___ Rear ___ Side Roof (Note: 24" setback is required on all edges of a sloped roof.)

A written certification from a Missouri licensed structural engineer providing details of the weight of each panel or array per square foot and certifying that the supporting structure has the structural integrity to carry the weight (snow load minimum of 30 psf) and wind speed (minimum of 90 mph) of the solar energy system has been provided? ___ Yes ___ No

Name of Licensed Structural Engineer: _____ Phone # _____

Initial following:

___ I understand that I must call for an inspection prior to building (*except roof mounted solar*) and again upon completion.

___ I understand that compliance with the currently adopted National Electrical Code, International Building Code, International Residential Code, and all other codes adopted by the City of Duquesne must be adhered to.

___ I understand that any person who violates any provision of the Renewable Energy System Section shall be guilty of a violation and subject to a fine of not less than five hundred dollars (\$500.00), imprisonment not to exceed fifteen (15) days or both such fine and imprisonment.

Property Owner's Signature Authorizing installation: _____ Date _____

Office Use info: Date rec'd: _____ Permit amount due with inspections \$ _____ Date paid _____ Receipt # _____

All information has been provided and reviewed by: _____ Date: _____

City Inspector's Approval of permit: _____ Date: _____

Inspection Prior to installation approval: _____ Date: _____

Final Inspection: _____ Date: _____