

City of Peoria Pilot Wind Energy Project

Project Narrative for DOE NEPA form

The City of Peoria has identified an opportunity to design and construct a pilot non-grid scale wind energy project. One or more residential / small commercial pole mounted wind turbines will be co-located at the City of Peoria Lake Pleasant Fire Station No. 9 to offset between 500 and 1750 kWh per month (25-50% annual energy usage).

The pilot wind energy project will entail a design and construction solution from a US based small commercial wind energy provider. Design will entail all pole foundation design, electrical service design, and immediate proximity landscaping. Construction will entail concrete foundations, turbine pole, turbine, conduit, grounding systems, inverter, signage, and minor landscape repairs and enhancements in the immediate vicinity of the wind turbine pole(s).



The City of Peoria plans to partner with Arizona Public Service Company and Maricopa County Water Conservation District in developing an educational message regarding the use of wind as an alternative energy source. The message will be conveyed by way of a National Park Service-like education kiosk strategically placed to attract the attention of walkers and hikers in the adjacent public picnic area.

The project budget is estimated as follows:

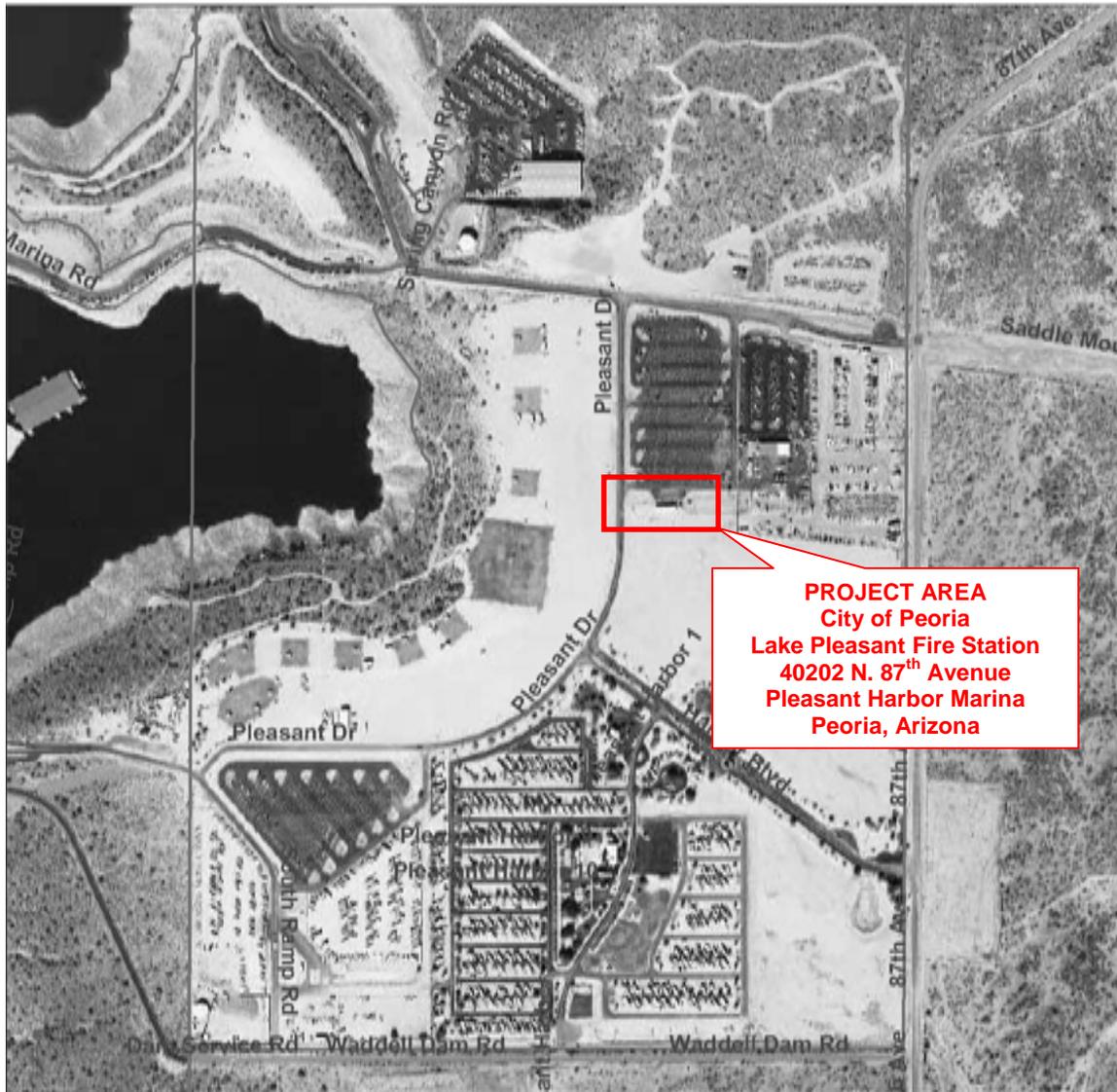
\$10,000 Design & Permitting

\$30,000 Wind Turbine(s)

\$5,000 Landscaping

\$5,000 Educational Signage

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