



Electrical JATC of Southern Nevada

March 5, 2008

Ms. Margo Wheeler
Director of Planning and Development
City of Las Vegas

Dear Ms. Wheeler:

Please consider this as the required Justification Letter associated with our request for a Variance for Height Limits for a proposed accessory structure for an existing training facility. The project in question is a Renewable energy demonstration project consisting of a small Wind Turbine required for the training of professional electricians. The project will be a valued component to the existing training facility.

The structure needs to be visible from Leigon way in order to facilitate tours of students, contractors, elected officials and the general public. It is also necessary in order to showcase the Wind Turbine technology as a necessary component of Renewable Energy. The nearest protected property is 154 feet from the proposed structure. The Residential Adjustment requires a distance of 153 feet.

The Variance from the Height requirement is due to the fact that in order for the Wind Turbine to work, it must be at least 20 feet above the nearest building. The project will include the installation of a 1.9 KW turbine, powered by the wind. Wind velocity normally increases with altitude, this project requires a 45 foot mono pole with a 3 blade turbine to be erected. The blades are 6 feet in length, with a total prop span of 12 feet. The completed structure will be 51 feet tall.

A 1.9 KW turbine will only be large enough to provide the power to operate a small home. Therefore the size or noise will not be intrusive for the area. The maximum noise is not in excess of what an electric washing machine might generate. A normal conversation can be held at the base of the pole.

The Electrical Joint Apprenticeship Training Committee of Southern Nevada has been in operation at this location since 1983. The additional feature will enable us to continue to offer the finest and most comprehensive professional training for the over 800 apprentices which undergo our training center each year.

The addition of the Wind Turbine to the training facility is consistent with uses within the area, as the adjoining properties are commercial or other apprenticeship training facilities.

We have included a picture of the proposed Turbine and technical specifications of the project.

Thank you for your time and consideration of this project.

Sincerely,

Madison Burnett
Training Director

Enclosures

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