Cleveland's Urban Wind Turbine

September 5, 2007

Cleveland’s Great Lakes Science Center installed a 225 kW Vestas V27 wind turbine in 2006 on the city's harbor front between the Cleveland Brown's football stadium and the science museum. The V27 is no longer manufactured and this unit was bought used and then reconditioned. The Science Center has done an excellent job of installing the turbine to maximize its aesthetic appearance and the unit provides a dramatic visual attraction on the city's harbor front skyline. (Cleveland fronts onto the south shore of Lake Erie.)

Cleveland’s urban wind turbine joins a limited number of such wind turbines in the Anglophone world: Wellington New Zealand’s V27 overlooking Wellington Harbor, Toronto’s WindShare turbine on Lake Ontario, and the Brotherhood of Electrical Workers’ Fuhrländer turbine in Boston. These are all real urban wind turbines--and they work.

Much talk surrounding “urban wind” deals with small, rooftop wind turbines. These urban turbines seldom perform as advertised.

Of course, there are many real urban wind turbines in Europe, delivering real power.
wind turbine's shadow. At the solstice the turbine's shadow meets the concrete "shadow" on the lawn. Use of the wind turbine.

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