

Port of Corpus Christi



Port of Corpus Christi Wind Park

Location: Port of Corpus Christi, TX

(located on the North boundary of the South Shore Dredge Material Placement Area Cell B)

Lease Details: Single land owner (Port of Corpus Christi)

Permitting: Local zoning approval (granted by the Port)

Area zoned for heavy industrial use

FAA & NTIA approvals

Environmental: Avian and bat studies completed (voluntary)

Wind Resource: 3+ years of onsite data collected @ 60 meters

Interconnection: Distribution level

Project Size: 9 MW

Turbine Type: 6 X United Power UP82/86 1.5MW

EPC Provider: Tang Energy Windpower Consulting LLC

Project Cost: \$20MM

Operation Date: August 30, 2011



Direct Environmental Benefit

Production of 30,000,000 kWh/year of Clean Energy

Requires NO fuel, mining, drilling, or water

Produces NO air pollution or wastewater

Provides Clean Electricity for nearly 2,500 homes

CO₂ displaced: 19,000 tons per year

**Carbon Dioxide is the predominant gas contributing to the greenhouse effect.*

NO_x displaced: Over 28 tons per year

** Nitrogen Oxide plays a role in the formation of ground level ozone and acid rain.*

SO₂ displaced: Over 38 tons per year

**Sulfur Dioxide is the primary contributor to acid rain.*

Water savings: Over 770,000,000 gallons per year

**Equivalent to the annual water use of over 6,000 homes.*





Direct Economic Impact

Over \$6,000,000 injected into the local economy for construction related activity.

Jobs Creation:

Construction: 50 (approx. 6 months)

Full-time: 3+ (\$40K - \$70K)

Expand US manufacturing capacity through turbine component supply agreements with the turbine manufacturer (e.g. towers, blades, etc...)

Local community tax and lease payments: Over \$250,000/year

Increased flow of wind turbine components through the Port of Corpus Christi.

Port of Corpus Christi will be the first US port with on-site utility scale wind generation.

