



EXECUTIVE SUMMARY

Revolution Energy LLC is requesting to transition from its Cooperation Agreement with the Port of Corpus Christi Authority into a land lease.

Under the Cooperation Agreement, several feasibility studies have been conducted over the past year, with the following results:

Wind Resource Assessment - 1 year of site specific data collected; wind characteristics are favorable for utility scale development.

Airspace Use/Safety - Initial coordination with local FAA office; proposed wind turbine locations would **not** interfere with:

- Approach and departure paths to/from Corpus Christi International Airport
- Naval air training in the surrounding area
- US Coast Guard port security flights/missions

Transmission/Interconnection - Study performed by the Electric Reliability Council of Texas (ERCOT) indicated a wind power project interconnected to the electric grid at this location was feasible.

Environmental Assessment - Study conducted by Curry and Kerlinger, LLC; considered an authority on wind turbine and bird interaction issues with over 30 years experience - utilized by the Federal Government (US Fish and Wildlife Service; US Forest Service).

Results:

- Environmental stakeholders provided input
- Habitats at the project site are not considered high quality
- Risk of collision impact – LOW
- Additional studies recommended
- Revolution Energy LLC will follow all recommendations
- All results have been made available to stakeholders

Land Use – Through coordination with the Port's staff, the perimeter of the dredge material placement areas in the inner harbor were identified as suitable locations with optimum "opportunity costs".

Market Evaluation – Several parties have express an interest in purchasing wind power from this facility.

The feasibility study results indicate that a wind power project located within the inner harbor and consisting of up to 17 wind turbines is viable. Under a lease agreement, additional scoping studies would be conducted to determine the exact number and size of the wind turbines. The results of the scoping studies will be incorporated into a site development plan, which will be submitted to the Port for approval prior to any construction.

Assuming *Harbor Sunrise Industrial Wind Power* was rated for thirty five (35) megawatts of electricity, the following summarizes the associated benefits:

- Clean energy for approximately 11,000 homes
- Average annual minimum payment to the Port: \$225,000
- Jobs created: approx. 14 full-time; approx. 50 construction
- Carbon dioxide (greenhouse gas) displaced: 75,000 tons annually

Harbor Sunrise Industrial Wind Power is intended to be more than just a wind power project. Additional research and development, education, and tourism benefits are expected.