

Economic Prosperity: Creating Jobs in the Renewable Energy Economy

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President



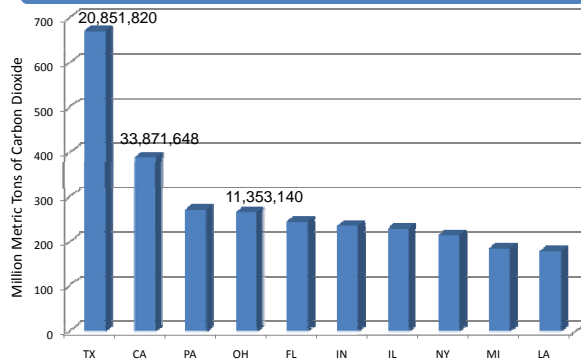
Agenda

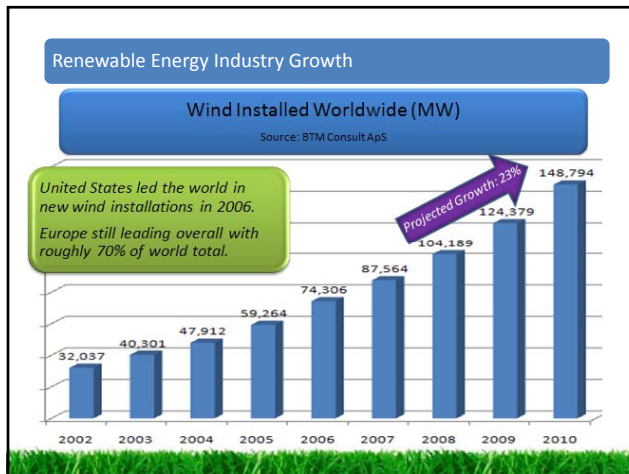
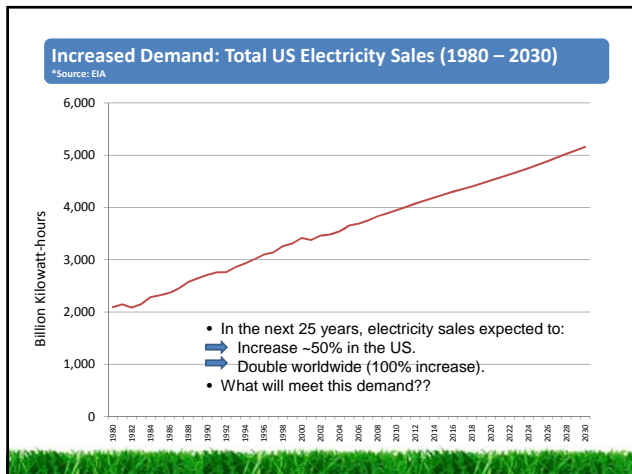
- Renewable Energy Industry Growth
- Identify Opportunities
- Capitalizing on the Opportunity
- Green Energy Technologies: Creating Jobs
- Questions

Renewable Energy Industry Growth

- Renewable Energy Industry in 2006:
 - \$39.2 billion in gross revenues
 - Created 446,000 jobs (2,880 in Ohio)
 - Nationally, biomass created the most jobs followed by the wind sector.
 - The wind sector led Ohio (700 new jobs).
- Growth fueled by:
 - Regulatory Environment (tax credits / grants / rebates)
 - Changing Social Views on the Environment
 - Increasing Energy Demand

Environment: Top 10 CO₂ Emissions States





Identify Opportunities: Know demands in the Wind Industry

- Wind Manufacturers are experiencing backlogs of two to three years for certain components wind turbines.

● CAPACITY AVAILABLE
 ● MOST AT CAPACITY
 ● ALL AT CAPACITY

- Communities must develop plans to recruit wind manufacturers to shorten these delivery schedules.

Identifying Opportunities

- The Renewable Energy Policy Project in Washington report claims wind power has the potential to create 11,688 full-time jobs in Ohio and add \$3.9 billion to the state's economy (2nd only to California).*
- Ohio is well-positioned to take advantage of a "manufacturing-savvy" workforce:
 - Core infrastructure
 - Skilled workforce of machine tools
 - Labor surplus

Identifying Opportunities: 50,000MW Would...

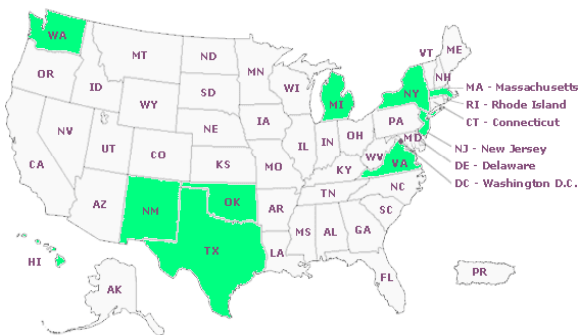
Employment at Potential Active Companies, Investment and Job Creation Potential
Top 20 States Ranked by Average Investment

State	Employees at Potential Companies	Rotor	Nacelle and Controls	Gearbox & Drive Train	Generator & Power Electronics	Tower	Number of New FTE Jobs	Average Investment (\$ Billions)
California	102,255	25226	52490	1380	14889	8270	12,717	4.24
Ohio	80,511	30578	33367	6360	3372	6834	11,688	3.90
Texas	60,229	15191	28339	1678	3006	12015	8,943	2.98
Michigan	66,550	27719	30241	2466	926	5198	8,549	2.85
Illinois	57,304	20001	24193	5520	3143	4447	8,530	2.84
Indiana	53,064	18962	20359	4783	2633	6326	8,317	2.77
Pennsylvania	50,304	16647	20844	2565	1997	8251	7,622	2.54
Wisconsin	48,164	17795	21317	3796	567	4689	6,956	2.32
New York	47,375	10855	24188	4020	5966	2347	6,549	2.18
South Carolina	20,532	4398	4510	6780	1765	3079	4,964	1.65
North Carolina	30,229	9431	12814	3142	2036	2806	4,661	1.55
Tennessee	28,407	9761	12513	2128	381	3624	4,233	1.41
Alabama	21,213	6607	7886	927	620	5374	3,571	1.19
Georgia	20,898	6610	8245	2335	253	3456	3,532	1.18
Virginia	20,201	6892	7372	1549	567	4021	3,386	1.13
Florida	24,008	5138	12197	254	1923	4497	3,371	1.12
Missouri	23,634	8389	11031	1202	537	2475	3,234	1.08
Massachusetts	27,955	6956	15952	659	3331	1057	3,210	1.07
Minnesota	26,131	8364	14427	711	1142	1488	3,064	1.02
New Jersey	22,535	8552	10191	819	1299	1675	2,920	0.97

Time To Act

- Total U.S. employment has increased 14% in the last 10 years.
- Total Ohio employment increased 2.7% in that same period.
- Develop a source of high paying jobs.
 - Ohio home to more than 52 companies active in the wind turbine supply-chain.
 - Manufacturers opening large facilities all the time, just not HERE.

States with Recruitment Incentives for Renewables



Capitalizing on the Opportunity

- Teaming to promote regional green energy job task force.
- Teaming with educators to develop sustainable curriculums.
- Teaming with local and state government to create tax incentives to relocate employers.
- Team to retain skilled personnel attracting prospective employers producing green products.
- **The challenge is to coordinate this teaming effort into a successful campaign for your region.**

Green-Oriented Support Groups you can join:

- Green Energy Ohio (www.greenenergyohio.org)
- E4 Sustainability
- The Cleveland Foundation
- Great Lakes Regional Wind Task Force
- Ohio Wind Working Group (www.ohiowind.org)
 - Manufacturing Action Team
- American Wind Energy Association (www.awea.org)
- American Solar Energy Society
- Find and get involved in the groups in your region to make a difference.

Green Energy Technologies: Creating Jobs

- Green Energy Technologies is an Ohio-based company.
- Currently manufacturing the WindCube.
 - Commercial & Industrial On-Site Energy Generation.
- Engaged industry expertise in northern Ohio.
 - Dr. David Spera.
 - Retired Director of the Wind Tunnel Program at NASA research center
 - Author of Wind Turbine Technology.
 - Machine tool engineers, Aircraft engineers, Electrical engineers.
 - Fiberglass manufacturing.
 - Steel fabricators.
- Committed to delivering high-tech careers for the local community.

Green Energy Technologies: Creating Jobs



Green Energy Technologies: Creating Jobs



Green Energy Technologies: Creating Jobs



Green Energy Technologies: Creating Jobs



Be a Part of the Solution

- Impact the Increased Energy Demands
- Positively effect the Environment
- Create Jobs
- Develop a Renewable Energy Cluster
- Boost our regional Economy

- Questions?