

Wind Power in Maine

Economic Considerations



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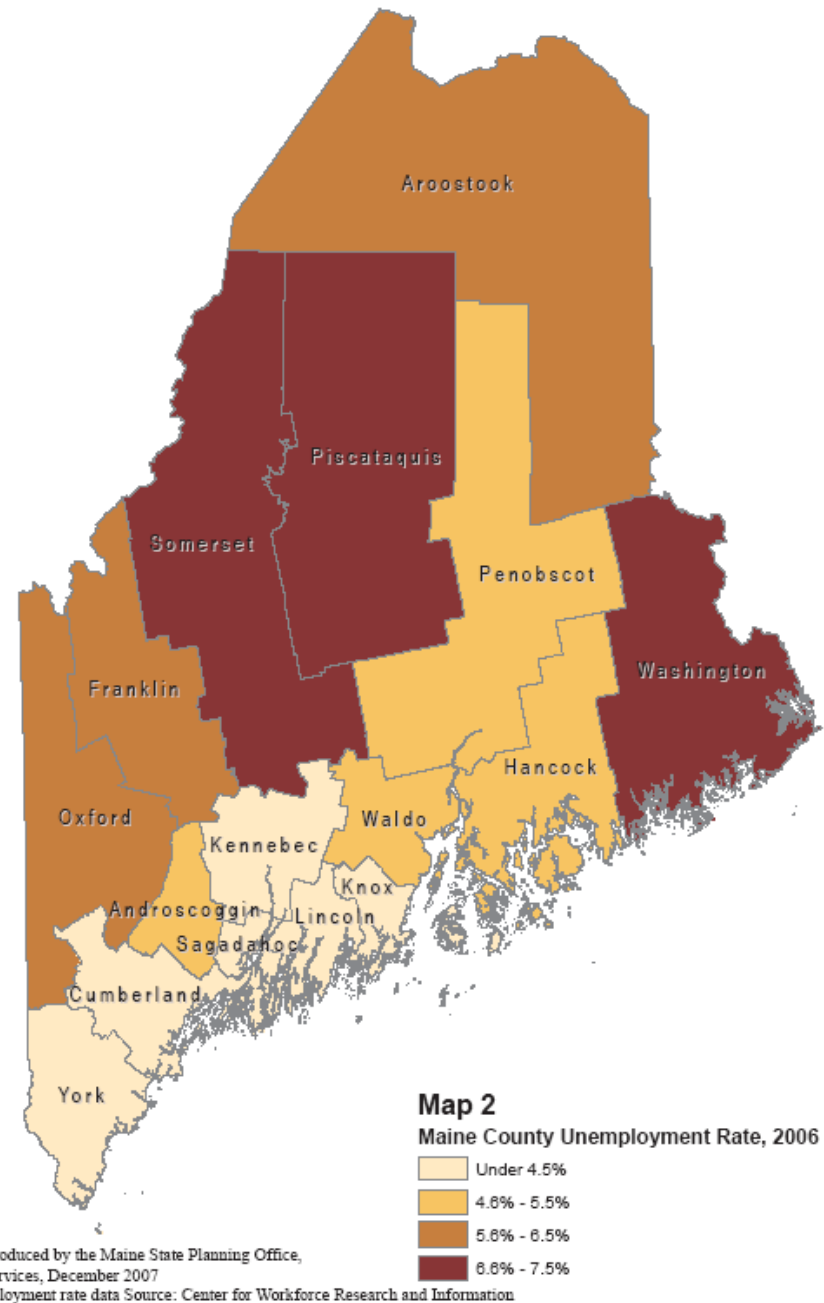
Unique Economic Potential

- Targets regions most in need
- Transforms weakness into asset
- Leverages a comparative advantage
- Taps into growth industry
 - Vestas installs new turbine every 5 hours
- Provides multiple benefit sources

Unemployment

Aroostook-7.7%
Franklin-6.8%
Oxford-6.8%
Piscataquis-8.3%
Somerset-7.5%
Washington-9.8%

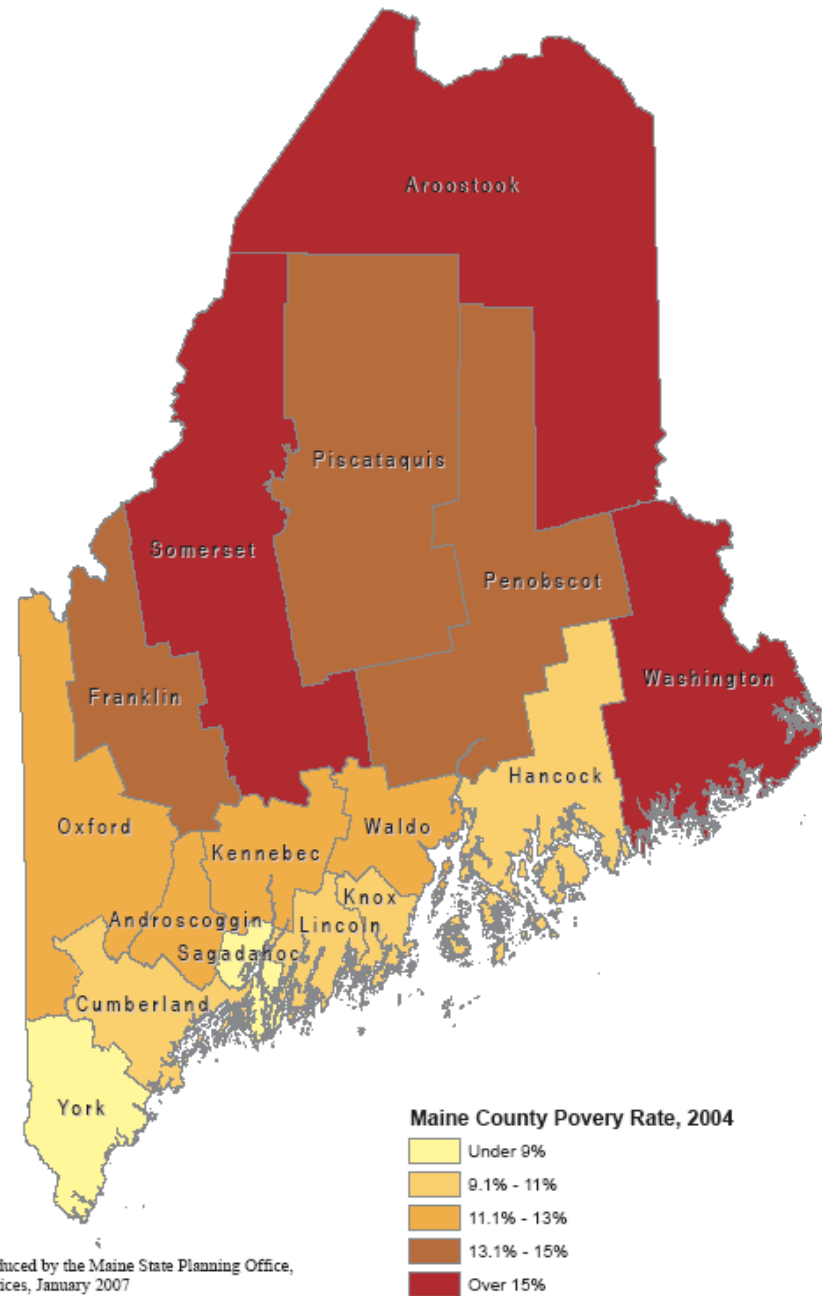
April 2008 NSA
(Maine 5.1%)



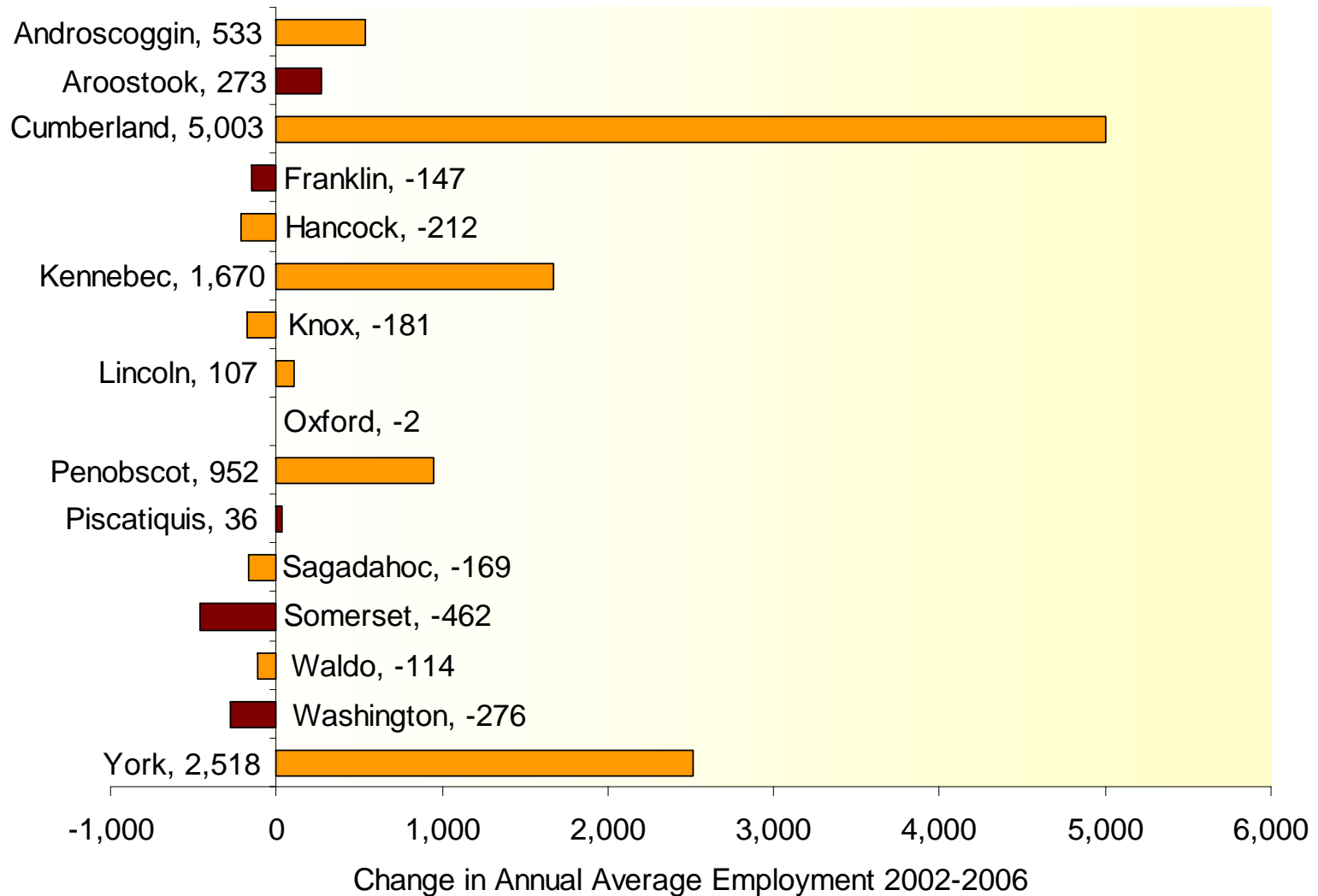
Poverty Rate

Aroostook-12.0%
Franklin-16.9%
Oxford-14.6%
Piscataquis-16.3%
Somerset-16.9%
Washington-19.1%

2005 US Census Bureau
(Maine 12.3%)



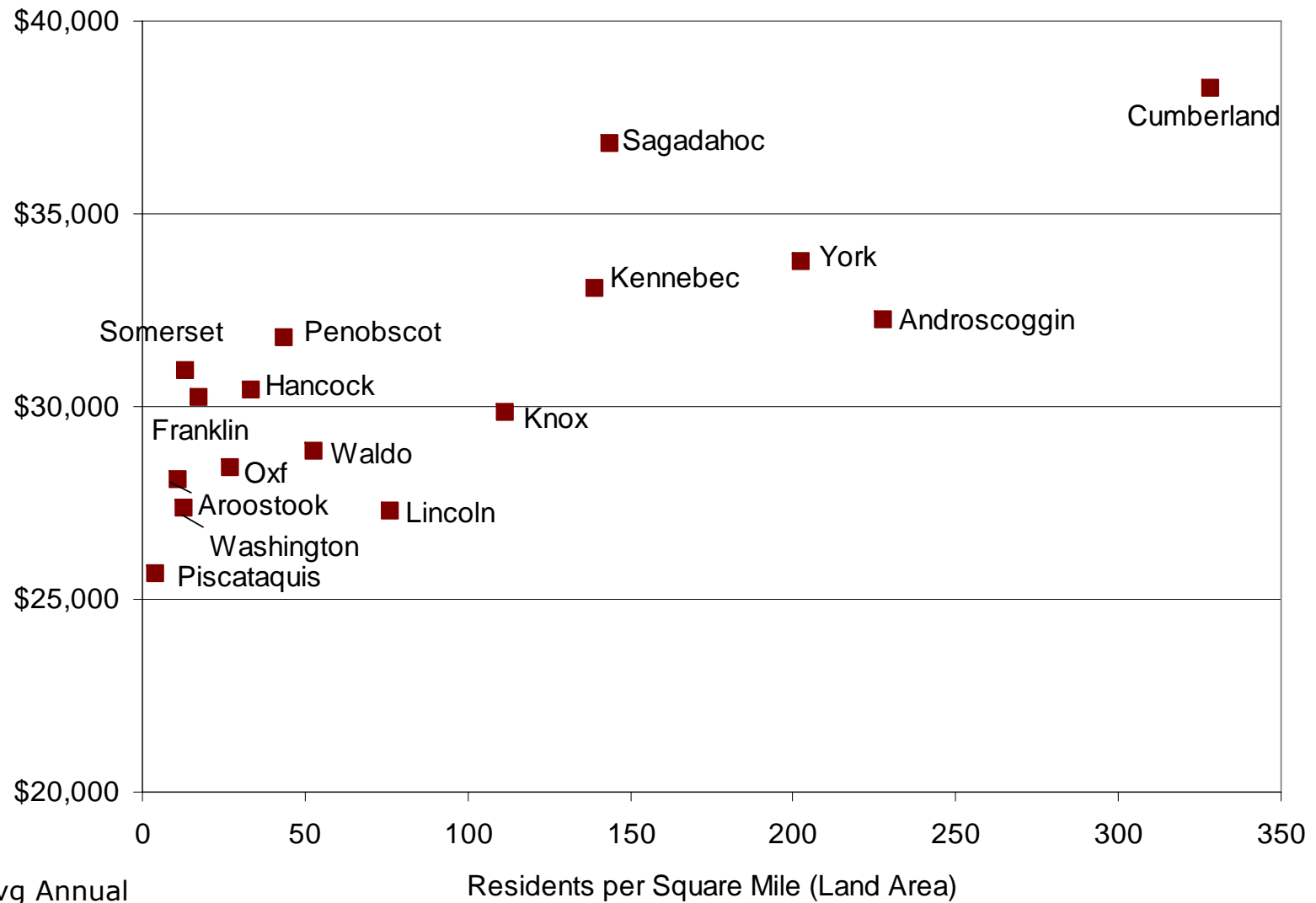
Job Growth



Population Growth

- 2000-2007 negative natural increase:
 - Aroostook, Hancock, Knox, Lincoln, Oxford, Piscataquis, Washington
- 2000-2007 negative population growth:
 - Aroostook, Piscataquis, Washington

Population Density



2006 Avg Annual
Wage-MDOL

Low density is wind asset!

- ❑ Sparse population
- ❑ Large undeveloped areas
- ❑ Wind power assets

Benefits-Initial

- Employment in full range of jobs
 - Literature suggests 0.3 jobs per MW operation
 - TF: 3,000 MW min \approx 900 jobs
 - SEA: 10,000 MW min \approx 3,000 jobs
- Lease payments to landowners
- Property taxes
- Purchases from local vendors

Benefits-Secondary

- Related opportunities in wind industry
 - Composites
 - US Windblades, Portland
(plans 32 jobs over 5 years)
 - AEWC courting Vestas (80 jobs)
 - Lesson from aquaculture

Benefits-Secondary

- Lower energy costs for households, businesses, institutions, government
- Community/micro generators
 - Kotzebue Electric Association, AK
 - As of 2005, saved 3,000 residents about \$190,000/yr
 - \$63 per Maine resident = \$83 million
 - Carleton College, MN
 - \$250,000/yr with 2,000 students
 - Recoup investment 10-12yrs, then 8-12%
 - \$250,000/UMS campus = \$1.75 million

Downside?

- Localized costs
 - Visual and audio pollution
 - Wildlife
 - Tourism

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