

**BLUEGREEN ALLIANCE**  
Good Jobs, a Clean Environment, a Safer World

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## Trade and the Clean Energy Economy

Labor and the New Energy Economy  
 October 22, 2007

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## A Fundamental Question

- Can we fix global warming without fixing global trade?

**The New York Times**  
**G.E. to Close Some Lighting Plants**

By THE ASSOCIATED PRESS  
 Published: October 5, 2007

General Electric said Thursday that it would close a number of lighting plants in Brazil and the United States as part of a plan to overhaul one unit, potentially cutting more than 1,400 jobs.

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## America Needs a Manufacturing Jobs' Strategy

- From 2000-2006 the U.S. lost 3.3 million manufacturing jobs.
- Ohio lost over 200,000 manufacturing jobs.
- In the current "recovery", manufacturing jobs have lagged far behind.
- We know that global warming solutions can create jobs...

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## Wind Energy Boosts Manufacturing and Steel Industries in Europe

- Wind energy directly employs 40,000 people in Germany
- German wind industry's use of steel exceeded only by automobile manufacturing
- Resource 1/5 to 1/10 as good as most Great Plains states






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## But Where Will the New Jobs Be?


TABLE C1  
Employment by sector (thousands of jobs)

Sector label	2006	2009	2012	2015	2020
Agriculture, forestry, & fishing	1,040	1,030	1,020	1,010	1,000
Coal mining	10	10	10	10	10
Other mining	100	100	100	100	100
Oil & gas extraction	1,000	1,000	1,000	1,000	1,000
Construction	7,200	8,500	9,500	10,500	11,500
Manufacturing	1,500	1,500	1,500	1,500	1,500
Health care	1,500	1,500	1,500	1,500	1,500
Information	1,500	1,500	1,500	1,500	1,500
Trade	1,500	1,500	1,500	1,500	1,500
Transportation & warehousing	1,500	1,500	1,500	1,500	1,500
Utilities	1,500	1,500	1,500	1,500	1,500
Education	1,500	1,500	1,500	1,500	1,500
Arts, entertainment, & recreation	1,500	1,500	1,500	1,500	1,500
Accommodation & food services	1,500	1,500	1,500	1,500	1,500
Administrative & support activities	1,500	1,500	1,500	1,500	1,500
Other services (except public administration)	1,500	1,500	1,500	1,500	1,500
Public administration	1,500	1,500	1,500	1,500	1,500
Unemployed	1,500	1,500	1,500	1,500	1,500
Total	14,000	16,000	17,500	19,000	20,500



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- ## Twin Problems
1. Unless we fix global trade, the new jobs created by clean energy investments will inevitably be attracted by the same low wage strategy...and end up in China, India, etc.
  2. And if we let big corporations write global warming legislation the problem will get even worse...

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- ## So How Do We Keep Those Jobs in North America?
- The case of the cement industry in CA.
  - In 2006, CA Assembly passes AB-32, regulating global warming.
  - Four big issues—
    - Economy-wide regulation
    - Permit auctioning to raise revenue
    - **Measuring emissions at the source**
    - Using the revenue widely



## Two Choices for Globalization

- Ours...
  - Border adjustment fees measure the carbon in foreign products like steel or paper.
  - If their carbon content is higher than domestic products, a tariff is levied to reflect the real cost.
- Or Theirs?
  - Carbon permits trade to where production is cheapest.
  - In a global economy, countries with low labor and environmental standards continue to draw jobs and destabilize economies.