Investments to Clean And Modernize Power Plants Create New Jobs and Boost the Economy in Tennessee

Tennessee

Recent reports evaluated the impact on Tennessee under two Clean Air Act rules expected to be finalized by the EPA in 2011:

- **Clean Air Transport Rule**: Focuses on sulfur dioxide and nitrogen oxide emissions from 31 targeted states in the East and Midwest.
- **Toxics Rule (Utility MACT):** For the first time, sets limits on hazardous air pollutants such as mercury, arsenic, lead, dioxins and hydrochloric acid.

Findings of the Reports

Job Creation

Installing modern pollution controls and building new power plants creates a wide array of skilled, high-paying installation, construction and professional jobs, including:

- Engineers
- Project Managers
- Electricians
- Pipefitters
- Boilermakers
- Millwrights
- Iron Workers

"Working toward environmental sustainability does not mean we sacrifice jobs. This study, and our own experience, shows that new approaches and technologies can create new employment opportunities."
Bert Mathews, President
The Mathews Company
Nashville, Tennessee

From the report: *New Jobs-Cleaner Air: Employment Effects under Planned Changes to EPA's Air Pollution Rules*[1]:

113,138 **Capital investment jobs created** in Tennessee over the next 5 years.

1,379 **Operation & Maintenance jobs created** in Tennessee

869 **Operation & Maintenance job reduction** in Tennessee due to projected retirement of uneconomic, older, less-efficient coal plants

From the report: *Expensive Neighbors: The Hidden Cost of Harmful Pollution to Downwind Employers and Businesses*[2]

Harmful emissions, primarily from coal-fired power plants that have failed to install pollution controls, are carried hundreds of miles in the air stream, causing massive health and economic losses in downwind regions. So not implementing the Transport Rule costs states like Tennessee millions of dollars in terms of lost jobs, income and tax revenue.

1,070 **Estimated jobs gained** in Tennessee post-Transport Rule implementation annually

Costs of Current, Uncontrolled Downwind Pollution

From the report: *Expensive Neighbors: The Hidden Cost of Harmful Pollution to Downwind Employers and Businesses*[3]:

The longer the Transport Rule is not implemented, the longer **Tennessee** will suffer annually from:

1,070 lost jobs
Over $141 million of lost income
Over $27 million in lost tax revenue

"This study proves that there is a link between benefiting the environment, protecting the health of citizens, and providing economic growth. Here in Tennessee, we are expected to gain more than 113,000 jobs from EPA action. That's a number anyone can get behind, whether a businessman, politician or environmentalist."
Brad McAllister
Director, WAP Sustainability

EPA Clean Air Standards Save Lives

Coal power plant emissions caused annually[4]:

340 **hospital admissions** in Tennessee
640 **heart attacks** in Tennessee

By implementing the Transport Rule[5]:

1,260 **pollution-related deaths avoided** in Tennessee annually

For More Information

- **Ceres** - www.ceres.org
- New Jobs-Cleaner Air: Employment Effects under Planned Changes to EPA's Air Pollution Rules
  Download at: http://www.ceres.org/epajobsreport
- The Toll from Coal: An Updated Assessment of Death and Disease from America's Dirtiest Energy Source
  Download at: http://www.catf.us/resources/publications/view/138
- Expensive Neighbors: The Hidden Cost of Harmful Pollution to Downwind Employers and Businesses
  Download at: http://www.cleanair.org/DownwindPollutionHiddenCostStudy.pdf

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[1] *New Jobs-Cleaner Air: Employment Effects under Planned Changes to EPA's Air Pollution Rules,* Dr. James Heintz, Heidi Garrett-Peltier and Ben Zipperer; January 2011.
[2] *Expensive Neighbors: The Hidden Cost of Harmful Pollution to Downwind Employers and Businesses*, Dr. Charles Cicchetti, Ph.d; November 2010, Appendix E.
[3] *Ibid.*
[4] *The Toll From Coal: An Updated Assessment of Death and Disease from America's Dirtiest Energy Source,* Clean Air Task Force, Conrad Schneider and Jonathan Banks; September 2010.
[5] *Expensive Neighbors: The Hidden Cost of Harmful Pollution to Downwind Employers and Businesses*, Dr. Charles Cicchetti, Ph.d; November 2010, Appendix E.