



***Pew Center on Global
Climate Change
Capitalizing on Climate-Friendly Technologies
Workshop***

**Tuesday, October 18, 2005
The Union Club, Cleveland, Ohio**

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Science & Technology Advisor to the Governor**





Winter Heating Assistance

- **Financial assistance to low-income families and individuals**
- **Regional consumer education in energy efficiency**
- **Small business education in energy efficiency**
- **Rigorous review and verification of gas company acquisition costs**



State Energy Efficiency and **Alternative Fuel Use**

- **Increase use of biofuels by State agencies**
- **Evaluate use of alternative energy sources in State-funded facilities, including Ohio's schools**
- **Improve the energy efficiency of State facilities and operations**



Energy Use In The Ohio Economy

GOAL: Develop a strategy to support long-term economic growth and job creation

- + Lower cost and improve reliability of energy supplies**
- + Grow business opportunities**
- + Reduce pollution burden**
- + Reduce dependence on imported oil and natural gas**



State of Ohio Activities

- **Coal: clean coal baseload generating facilities; FutureGen gasification and carbon sequestration project; coal research and demonstration activities**
- **Ethanol: obstacles to building proposed ethanol production facilities**
- **Expand advanced energy technologies**
- **Strengthen existing energy efficient practices**
- **State R & D and commercialization strategy**



Third Frontier Project

- **Governor's February 2002 State of the State**
- **3 member Commission; 16 member Advisory Board**
- **Total grants to date: \$335 million**
- **Evaluations managed by the National Academy of Sciences**

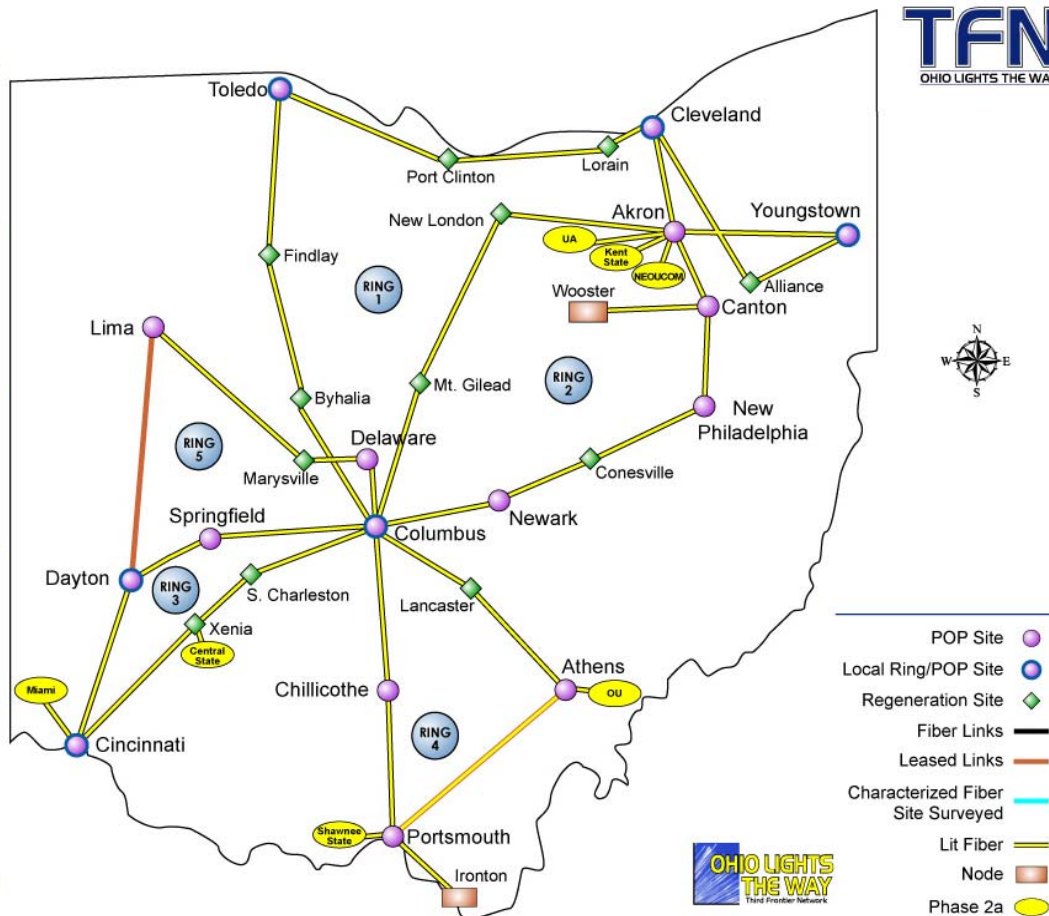


Specific Projects

- + **Ohio BioProducts Innovation Center**
- + **Ohio Center for Advanced Propulsion & Power**
- + **The Wright Fuel Cell Group**
- + **Ohio Agricultural Research & Development Center**
- + **University of Toledo's *Center for Photovoltaic Electricity and Hydrogen***
- + **\$103 million Fuel Cell Initiative**



Third Frontier Network



+ 1600 mile, broadband backbone

+ connects all research universities

+ in full operation since November, 2004





Thank You!

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