



POWERING NEW GROWTH

moving tennessee to a sustainable economy





Tennessee's Clean Energy Story

- Committed leadership, focused strategy, targeted incentives and sound energy policy
- Legacy of clean energy innovation
- Unique and dynamic set of public and private partners
- History of working together at state, local and federal levels
- Transformational, game-changing “Wins”





Our Clean Energy Strategy

- Leverage our “Jobs Cabinet” approach, strong business climate and strategic partnerships
- Create smart, flexible and innovative incentives
- Invest in our workforce
- Clearly define the sector
- Focus where the value is: R&D, innovation, commercialization and market transformation
- Create and build on early wins like Hemlock, Wacker, VW, Alstom, Sharp and others





Task Force on Energy Policy

- Four areas of recommendations
 - How government can lead by example (LBE)
 - How to improve residential efficiency
 - How to expand production and use of renewable energy
 - How to grow the clean energy sector in Tennessee
- 2009 Clean Energy Future Act
 - Accelerated state retrofits
 - State fleet EV and CAFE targets
 - Mandates EnergyStar
 - Establishes residential building code
 - Classifies CET as and “emerging industry”





ARRA Highlights

- Volunteer State Solar Initiative (\$62.5 M)
 - Tennessee Solar Institute
 - Innovation Grants
 - Installation Grants
 - West Tennessee Solar Farm
 - 5 MW solar demonstration farm and education center
- Electric Vehicle Partnership (\$100 M)
 - Multi-state proposal led by ETEC and Nissan
 - Support deployment of 1,000 EVs and charging infrastructure across Tennessee
 - \$5 M matching funding from Energy Office





ARRA Highlights

- EECBG (13.8 M total)
 - Subgrants to communities for efficiency and renewables (\$9.3M)
 - 93 \$100,000 grants
 - Retrofits, LED, renewables
 - Public Education Campaign (\$2.5 M)
 - Green Collar Job Workforce Development Grants (\$1.5 M)
- Weatherization Assistance (\$100 M)
 - Targeted to low-income households
- Industrial Energy Efficiency (\$ TBD M)
 - ECD is a stakeholder in a group working to establish a large industrial efficiency program



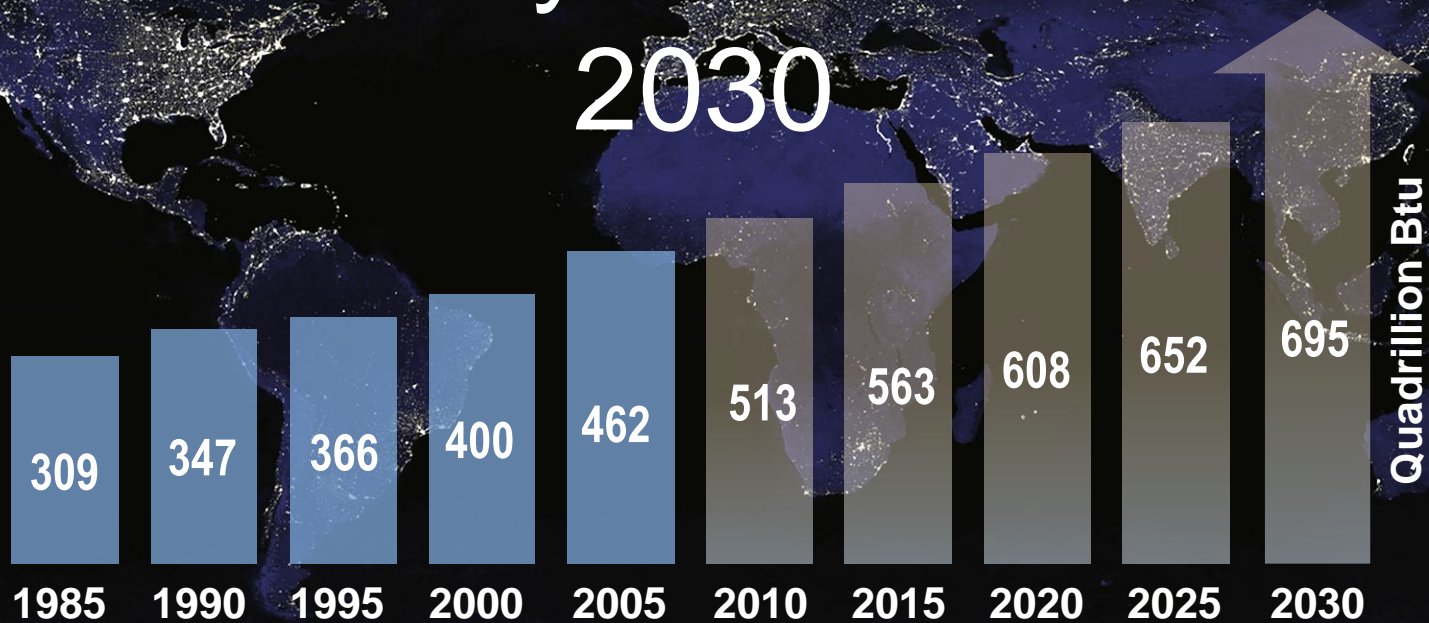


That's great, but why should I care?

- “Green Jobs” are real, they are here today, and they are statewide
- Economic development and environmental sustainability are not mutually exclusive
- Early adopters will be winners
- Tennessee is strategically positioned to become one of the big winners



World energy consumption is projected to increase by 50% from 2005 to 2030



Source: Oak Ridge National Lab, International Energy Outlook 2008, DOE/EIA-0484(2008), Energy Information Administration, June 2008



Four reasons for clean energy

- Climate Change
 - Climate IS changing, if we don't make changes the world will be very different in 2030.
- Energy Assurance
 - We need to produce more at home to make sure we have energy in 2030.
- National Security
 - No one likes the idea of mediating international energy disputes between countries in 2030.
- Economic Development and Jobs
 - A lot of equipment, parts and power generation has to be built before 2030... let's build it in Tennessee.

