



Austin Energy's Vision

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Austin, Texas

2003 Population: 681,437

16th Largest City in United States

2003 MSA Population: 1,377,633

47.7% change: 1990-2000

City owned Electric Utility
360,000 customers
10th Largest Municipal

Forbes Top 10 for Business
(May 24, 2004)

Climate Protection Plan

- ◆ Municipal Plan
- ◆ Utility Plan
- ◆ Homes and Buildings Plan
- ◆ Community Plan
- ◆ “Go Neutral” Plan

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Municipal Plan

- ◆ Municipal Operations 100% Renewable Energy by 2012
- ◆ Fleet carbon neutral by 2020
- ◆ Department level climate protection plans
- ◆ Employee education and community outreach

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Utility Plan

- ◆ 700 MW savings (second conservation plant) by 2020
- ◆ 30% from Renewable Resources by 2020 – including 100 MW by Solar
- ◆ CO² Cap and reduction plan for emissions
- ◆ All new generation carbon neutral, plus sequestration and offsets

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Homes and Buildings Plan

- ◆ New Single Family Homes - zero net-energy capable by 2015
- ◆ Increase Energy Efficiency by 75% in ALL new construction by 2015
- ◆ Disclosure of historic energy uses and facilitate energy improvements at point of sale
- ◆ Enhance Green Building Program, develop '*Carbon Neutral*' certification

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Community Plan

- ◆ City Staff Climate Action Team – develop recommended targets and strategies to reduce carbon emissions caused by:
 - Transportation
 - Land-use Planning
 - Emerging Technologies
 - Waste Management
 - Natural Areas and Landscapes
 - Multigenerational Education

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“GO NEUTRAL” Plan

- ◆ Carbon footprint calculator, tailored to Austin
- ◆ Menu of GHG offsets to purchase
- ◆ Celebrate carbon neutral households and businesses
- ◆ Promote carbon neutrality to visitors, airport travelers, trade shows, etc.

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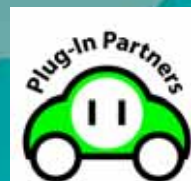
Plug-in Partners Campaign



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Plug-in Partners Campaign

- ◆ *Purpose:* Demonstrate a national market for flexible-fuel plug-in hybrid electric vehicles
- ◆ *Coalition:* Local and state governments, utilities, businesses and non-profit organizations
- ◆ *Actions:* "Soft" fleet orders, endorsements, rebates and incentives, petitions and letters



Why is Austin Campaigning for Plug-in Hybrids?

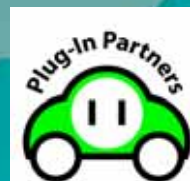
- u *Economics* - cheap oil is running out
- u *Environmental* – pressure to curb pollutants from transportation
- u *National Security* – pressure to curb dependence on foreign oil



What the Campaign Involves?

Plug-in Partners National Campaign:

- ◆ *Petition Drive* – giving a voice to consumers
- ◆ *Soft fleet orders* – creating a market for plug-in hybrids
- ◆ *Development of Legislation* - offering rebates and incentives



Where we are with the Campaign

- ◆ *Plug-in Partners: 603 Partners representing local and state governments, businesses, utilities, alternative fuel and environmental groups, non-profits, and many more*
- ◆ *Soft fleet orders: 11,089 representing sedans, trucks, vans, SUVs, and buses*
- ◆ *Petitions signatures: 34,958 online and paper signatures*



Energy Depletion Risks Task Force

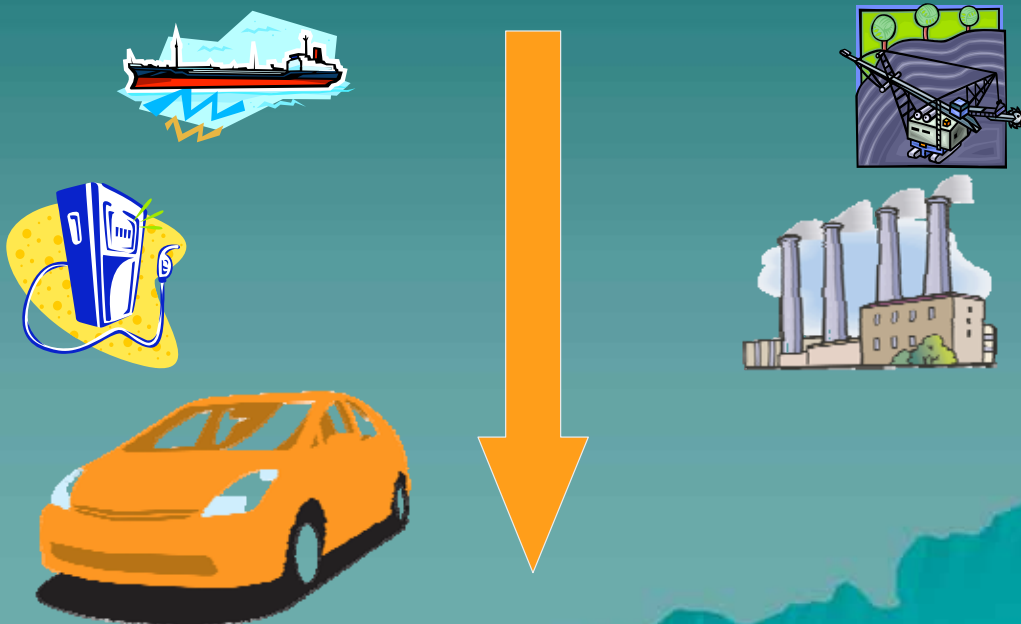
- ◆ June 2007 the Austin City Council passed a resolution to create an Energy Depletion Risks Task Force
- ◆ Task Force will conduct:
 - Develop a comprehensive risk assessment
 - Develop a contingency plan for possible future energy depletion

Energy Depletion Risks Task Force

- ◆ Use the March 2007, City of Portland Peak Oil Task Force as a guide line
- ◆ Conduct a city wide assessment study to inventory City activities and their resource requirements
- ◆ Evaluate decline in petroleum and natural gas and their economic and social applications

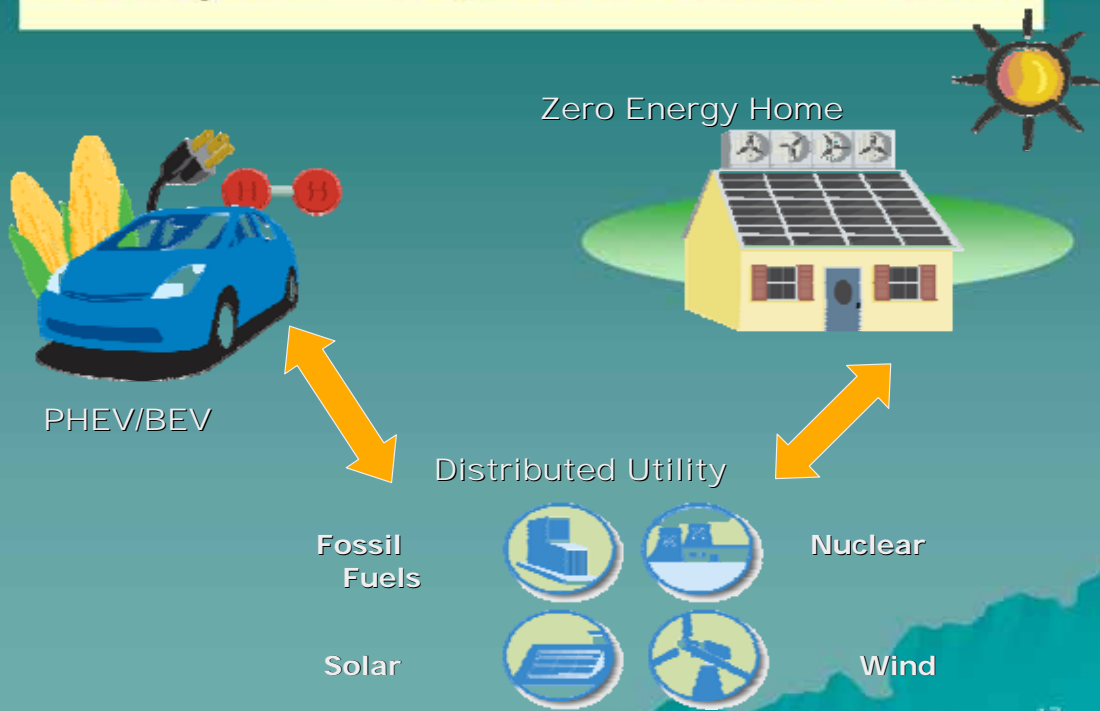
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Linear Energy Flow



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Multiple Fuel, Multi-Directional



AE Advances Clean Technology

Technology Pipeline:

- ◆ Partnership with the Clean Energy Incubator
- ◆ Emerging Energy Technology Assessment Team (EETAT)- internal, technology evaluation
- ◆ Clean Energy Venture Summit- in partnership with CEI
- ◆ Beta-Testing- formal process, Council resolution
- ◆ Center for Commercialization of Electric Technology (CCET)- commercialization
- ◆ Innovation and Opportunity Development (IOD)- implementation within AE

Q/A

Thank you