EPRI

2011 Global Climate Change Research Seminar

CHINA'S ROLE IN MANAGING GREENHOUSE GAS EMISSIONS

A UTILITY INDUSTRY PERSPECTIVE

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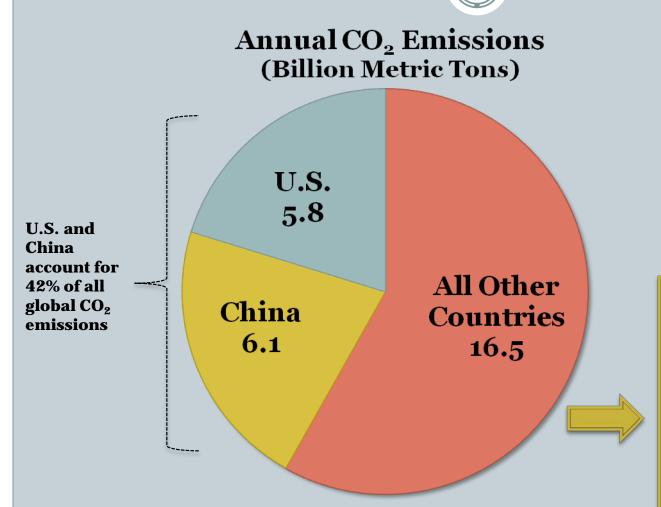
DUKE ENERGY

MAY 26, 2011





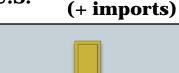
Total and Per Capita Emissions Foreshadow a Difficult Challenge



MWh Electric Consumption Per Capita

China 2.3 (- exports)

13.6



U.S.

Although China leads the world in total emissions, the U.S. consumes much more electricity per capita.

As the consumption gap narrows, Chinese emissions will grow significantly.

Partnership Objectives

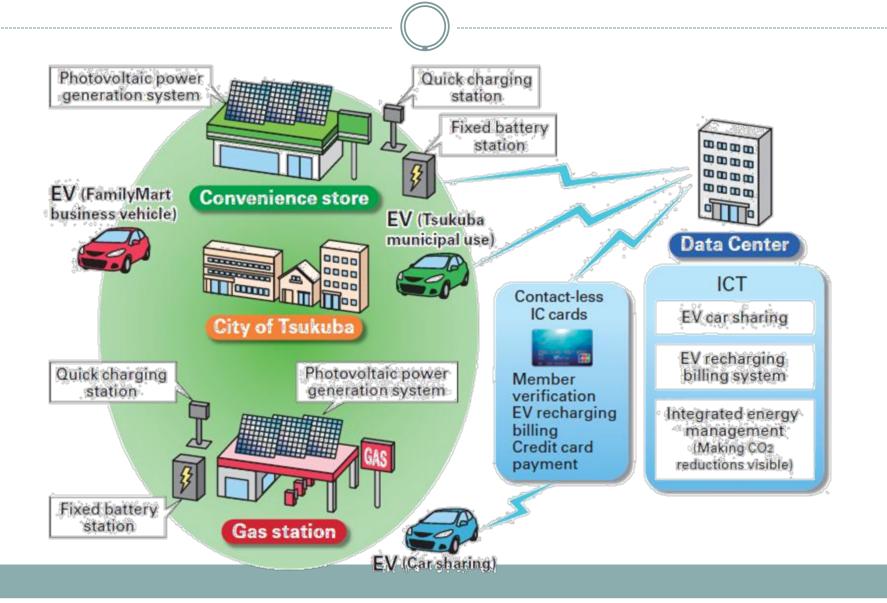
- Accelerate technology development and commercial application through technology demonstration, deployment, and knowledge transfer
- Generate & execute new commercial investments and business development opportunities
- Gain access to diverse sources of capital
- Attract companies to Duke Energy's service territory in support of economic development

Potential partners are selected based on:

- Commitment to our objectives
- Areas of technology expertise
- Desire to build a mutually beneficial relationship



ITOUCHU Tsukuba City Project Plan









ENN EcoCity:

As part of the US-China EcoPartnership, ENN will share lessons from the EcoCity which features a variety of distributed technology solutions