Our Climate, Our Faith, Our Future

April 27, 2010
Agenda

- Continuation of faith discussion – Migliore
- *Kilowatt Ours* – part 1 summary
- *Kilowatt Ours* – part 2
- Bringing *Kilowatt Ours* closer to home
- Discussion
Kilowatt Ours – Part 1

- Focus on compromises of Coal, Nuclear power
  - Environmental degradation
  - Pervasive waste challenges
  - Poisoning the environment
  - Global warming effects

Think about impact of our choices
Kilowatt Ours
A PLAN TO RE-ENERGIZE AMERICA BY JEFF BARRIE

WINNER
BEST DOCUMENTARY FEATURE
SOUTH DAKOTA FILM FESTIVAL

NATIONAL EDITION
As Seen on Public TV

WINNER
Great Expectations Award
Small Town Film Festival

OFFICIAL SELECTION
Tin Can Film Festival

WINNER
Knee Deep Award
Fourth Vision Film Festival

WINNER
Second Annual
International Film Festival

“A compelling and inspiring portrait.”
St. Louis Film Critic
“Message of Hope”
Two Part Strategy:

- Part 1: Energy efficiency
  - CFL’s for incandescent
  - Energy Star appliances and programmable thermostats
  - Energy Star home rating (seal, insulate, replace)
  - Geothermal and “green” construction technologies
  - Infrastructure (e.g. LED traffic lights)
  - Recycling
Two Part Strategy:

- Part 2: Clean power (alternatives, renewables)
  - Wind
  - Methane digester
  - Solar hot water
  - Roof top solar
  - Passive solar
  - Green power switch (purchasing REC’s)
Current Usage

- Coal: 52%
- Nuclear: 20%
- Natural Gas: 15%
- Hydro: 9%
- Petroleum: 3%
- Sun & Wind: 2%
“Conservation Power Plant”
The Big Picture: U.S. Consumption (and sources of emissions)

Share of Energy Consumed by Major Sectors of the Economy, 2008

- Commercial: 19%
- Industrial: 31%
- Residential: 22%
- Transportation: 28%

Local Options: Duke’s GoGreen Power

Duke Energy’s GoGreen Power

How you can help.
As a Duke Energy’s GoGreen Power participant, you can purchase a minimum of two (2) 100 kilowatt-hour (kWh) units of Duke Energy’s GoGreen product for only $2.00 a month, which is about 18 percent of an average residential customer’s electricity usage. Beyond this minimum, you can purchase additional 100 kWh units for $1.00 a month. All you have to do is decide how much you want to buy, and it will be added to your energy bill. It’s that easy!

Under the program, Duke Energy will obtain energy from alternative energy sources located within our service area as they become available. We’ll also purchase alternative energy from third parties in the form of renewable energy certificates.


- Advances the development of alternative energy sources.
- Reduces carbon dioxide emissions in the atmosphere.
- Diversifies energy supply and lessens demand for fossil fuel generation.
The Promise of Business: Mainstream Push

GREEN RANKINGS

Our exclusive environmental ranking of America's 500 largest corporations.

Read the Main Article →
Read the Methodology →

1. Hewlett-Packard
   "Strong programs to reduce GHG emissions. The first major IT company to report GHG emissions...

2. Dell
   "Ranks 4th among the top U.S. corporate users of renewable energy; headquarters uses 100% renewable energy...

3. Johnson & Johnson
   "A commitment to climate change is rare for its peer group and has strong environmental...

4. Intel
   "Largest corporate purchaser of renewable energy in the US, equivalent to 48% of

INDUSTRY SECTORS

1. Banks and Insurance
   1. ING
   2. Citigroup
   3. Traders

2. Food and Beverage
   1. Coca-Cola Enterprises
   2. Coca-Cola
   3. Brown-Forman

3. Healthcare
   1. Baxter International
   2. Medtronic
   3. Becton Dickinson
The Promise of Business Example: Melink Corporation

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<th>LEED Facts</th>
<th>Melink Headquarters</th>
<th>Cincinnati, OH</th>
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<td>LEED for New Construction Certification awarded January 9, 2006</td>
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<td>Innovation &amp; Design</td>
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*Out of a possible 69 points
The Importance of Policy Makers

- Civic infrastructure decisions (traffic lights, power plants)
- CA: 7th largest global economy: Global Warming Solutions Act: 25% emissions reduction by 2020, 80% reduction by 2050
- Incentives decisions – fair playing field for renewables to drive tipping point
- Investment in SCIENCE and innovation
- Cap and Trade, “Carbon Tax”, etc. to stimulate investments in innovation

Federal Commitment and Desire to Lead
Key takeaway?

Consumer behavior and demand
+ Business investment and leadership
+ Ongoing Scientific development
+ Policies to incent behavior
+ Exporting or importing innovation
Equals:

Stabilizing climate
Habitat and species protection
Natural resource protection
Health improvements
Ability to serve needs of developing world
Better choices in our allies
Political stability
Economic growth
Etc, etc, etc.
Discussion