“Mr. Gorbachev – Tear down this wall”

June 12, 1987

Ronald Reagan at the Berlin Wall, June 12, 1987: “Tear down this wall”

Twenty-nine months later

… the wall came down …

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“President Obama, build this park!”

April 7, 2010

…September 2011 …

“to promote the sustainable supply and use of energy for the greatest benefit of all.”

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And this one …

Clean Energy Park #2

“to promote the sustainable supply and use of energy for the greatest benefit of all.”

And this one …

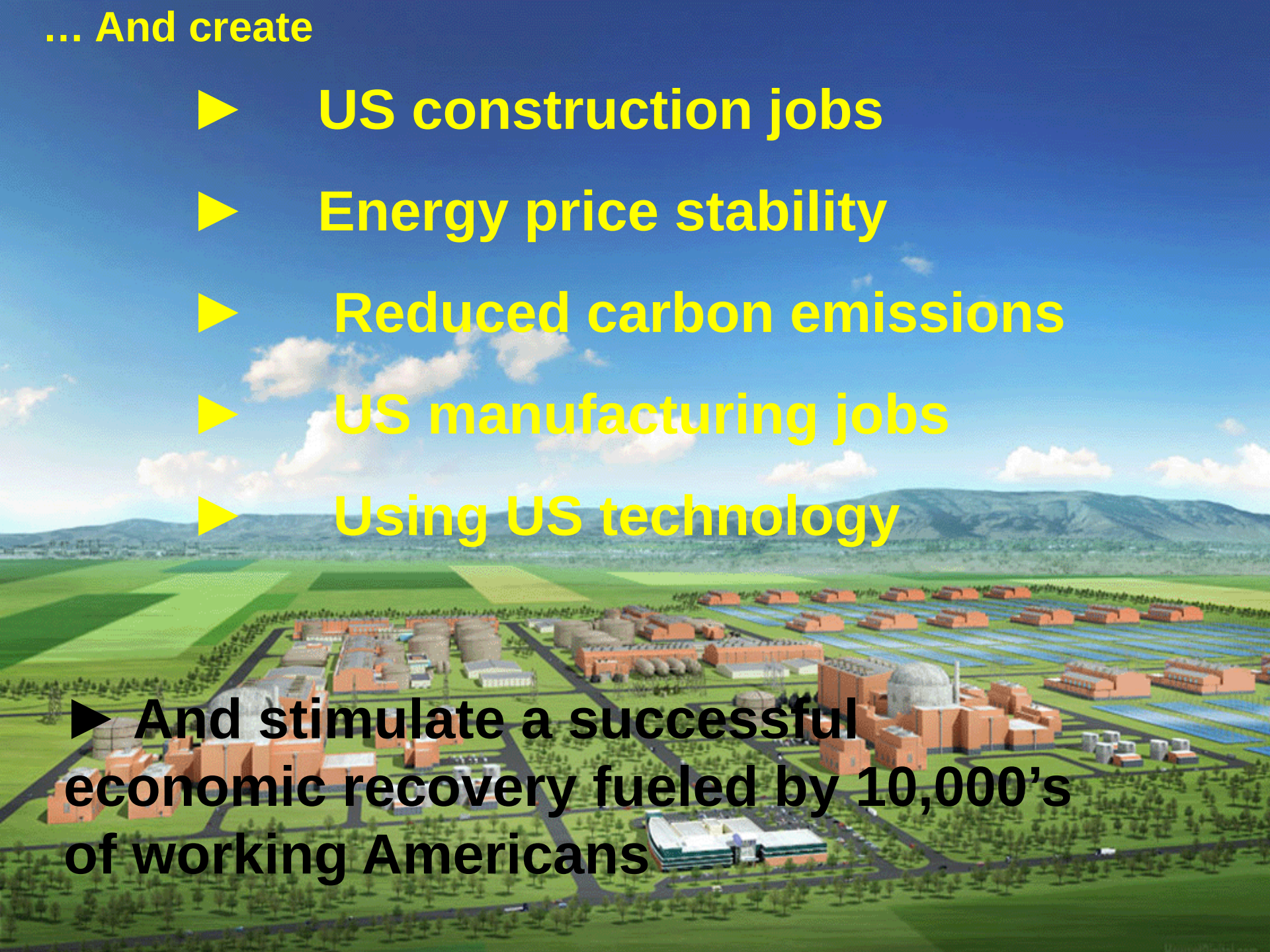
Clean Energy Park #3

“to promote the sustainable supply and use of energy for the greatest benefit of all.”

And this one …

Clean Energy Park #4

“to promote the sustainable supply and use of energy for the greatest benefit of all.”



… And create

- US construction jobs
- Energy price stability
- Reduced carbon emissions
- US manufacturing jobs
- Using US technology

► And stimulate a successful economic recovery fueled by 10,000's of working Americans

President Obama

We welcome change and openness;

for we believe that freedom, energy, economic growth and security go together,

and that the advance of human liberty through the availability of energy can only strengthen the cause of world peace.

There is one sign your administration can make that would be unmistakable, that would advance dramatically the cause of freedom, economic recovery, and peace.

President Obama, if you seek change, if you seek prosperity for the United States and the world, if you seek economic recovery, come here to this conference. President Obama, open the restraining gates of energy politics, regulation and finance.

President Obama, build these parks!

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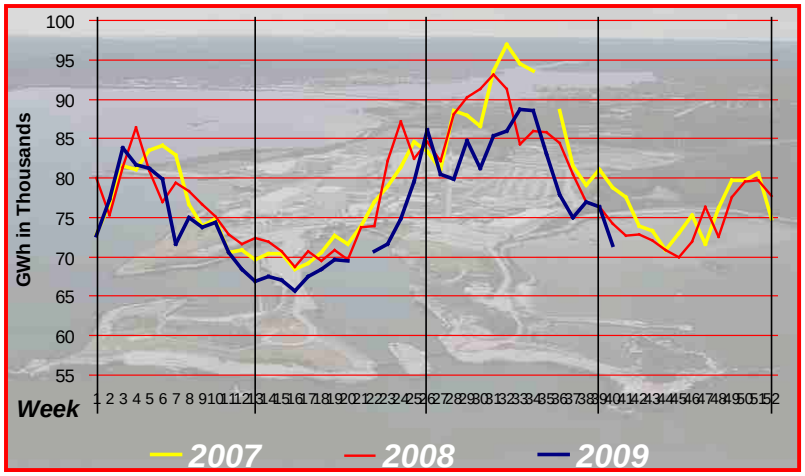
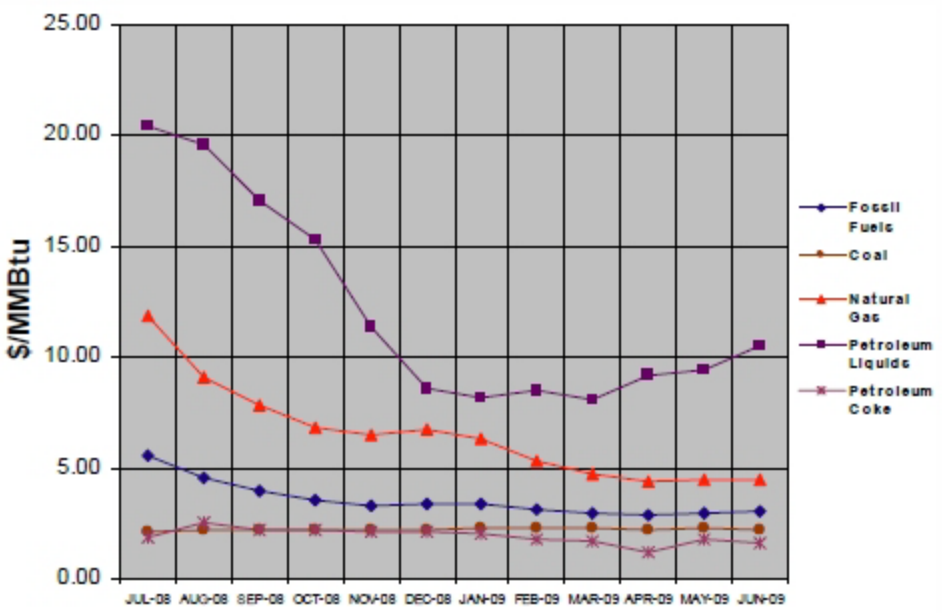
The Recession



Demand substantially lower in 2009



Fuel costs for last year

- **Utilities retrenching**
- **Electric power demand down 4.2% Sept. 2008 –Sept. 2009**
- **Result: utilities revenue decline**
- **Utilities downsizing, offering early retirement**
- **Delaying new generation investments**
- **Turning (again) to natural gas**

Source: EIA, EEI

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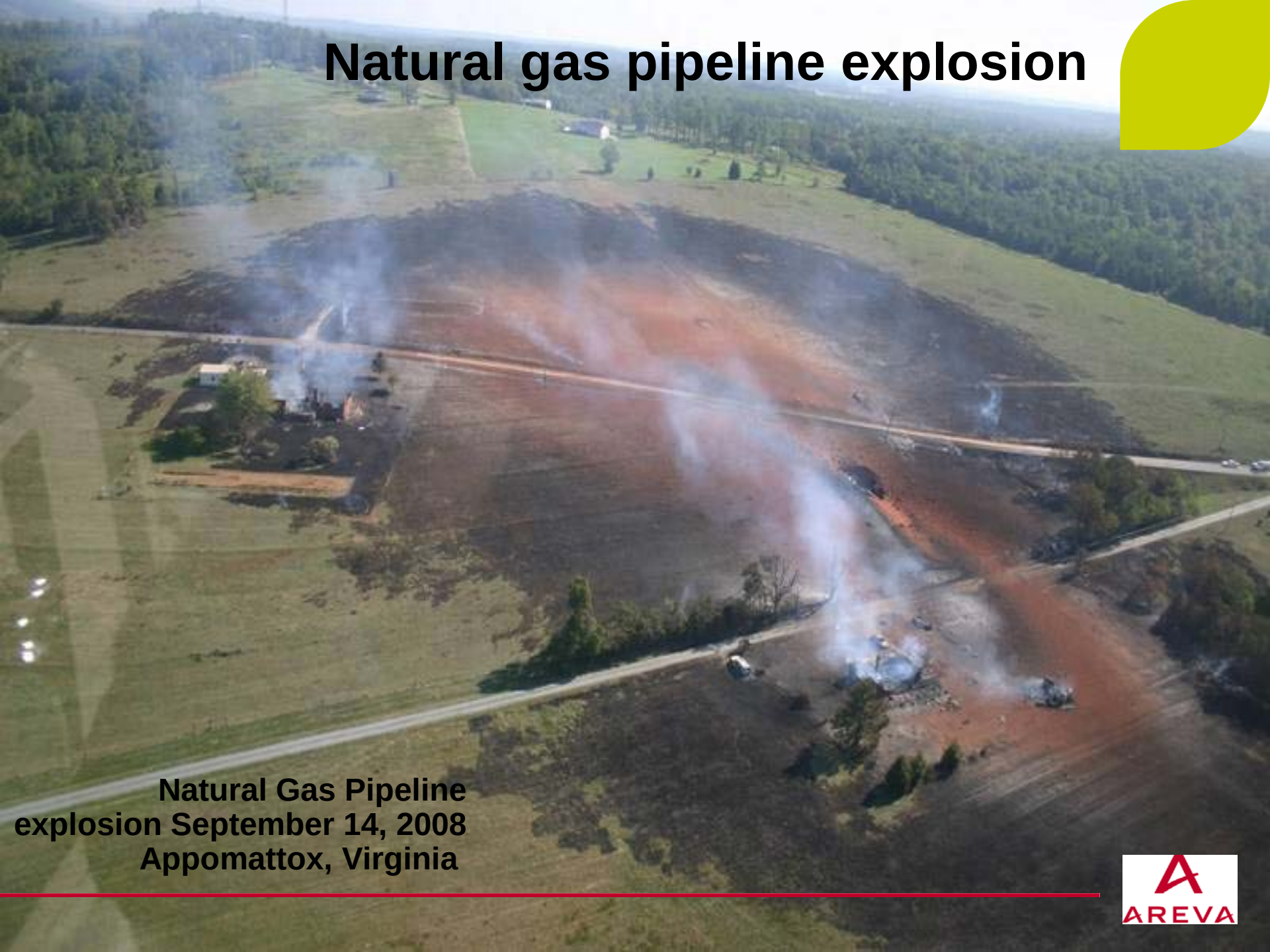
Natural gas pipeline explosion



Natural Gas Pipeline
explosion September 14, 2008
Appomattox, Virginia

Natural Gas Pipeline explosion

Natural Gas Pipeline explosion September 14, 2008 Appomattox, Virginia

February 7, 2010, Connecticut Gas Turbine explosion kills 5, injures 27

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Propane Tanker Fire in Indianapolis

Intersection of I-69 and I465 on October 22, 2009

East side of overpass “blown out” and 2 steel girders damaged

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Results of Mountaintop Removal Coal Mining in Southern West Virginia, May 2003

Not Only Does Mining Destroy the Mountain, it Destroys the Forest Which Absorbs CO_2

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Mountaintop Removal Coal Mine in Southern West Virginia Encroaching on Small Community

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Whitesville, West Virginia

Coal Slurry Impoundment Will Hold 8 Billion Gallons of Coal Waste Sludge

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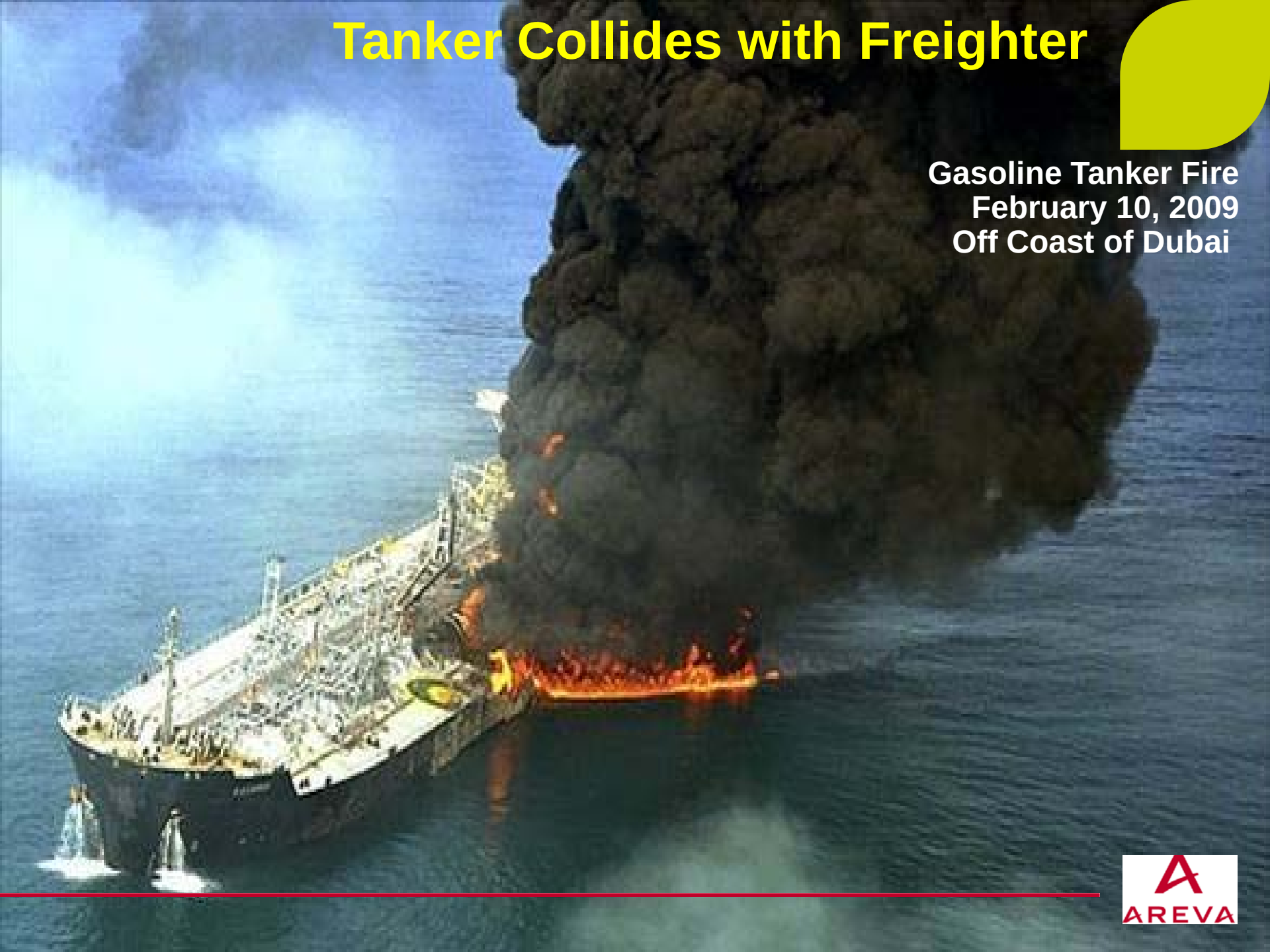
Tanker Collides with Freighter



Gasoline Tanker Fire
February 10, 2009
Off Coast of Dubai

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Tanker Collides with Freighter

Gasoline Tanker Fire
February 10, 2009
Off Coast of Dubai

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Gasoline Tanker Fire

Gasoline Tanker Fire
MOLO, Kenya
January 31, 2009
More than 100 dead, over 200 injured

Gas Explosion at Gulf Gasoline Distribution Facility in Puerto Rico

October 23, 2009

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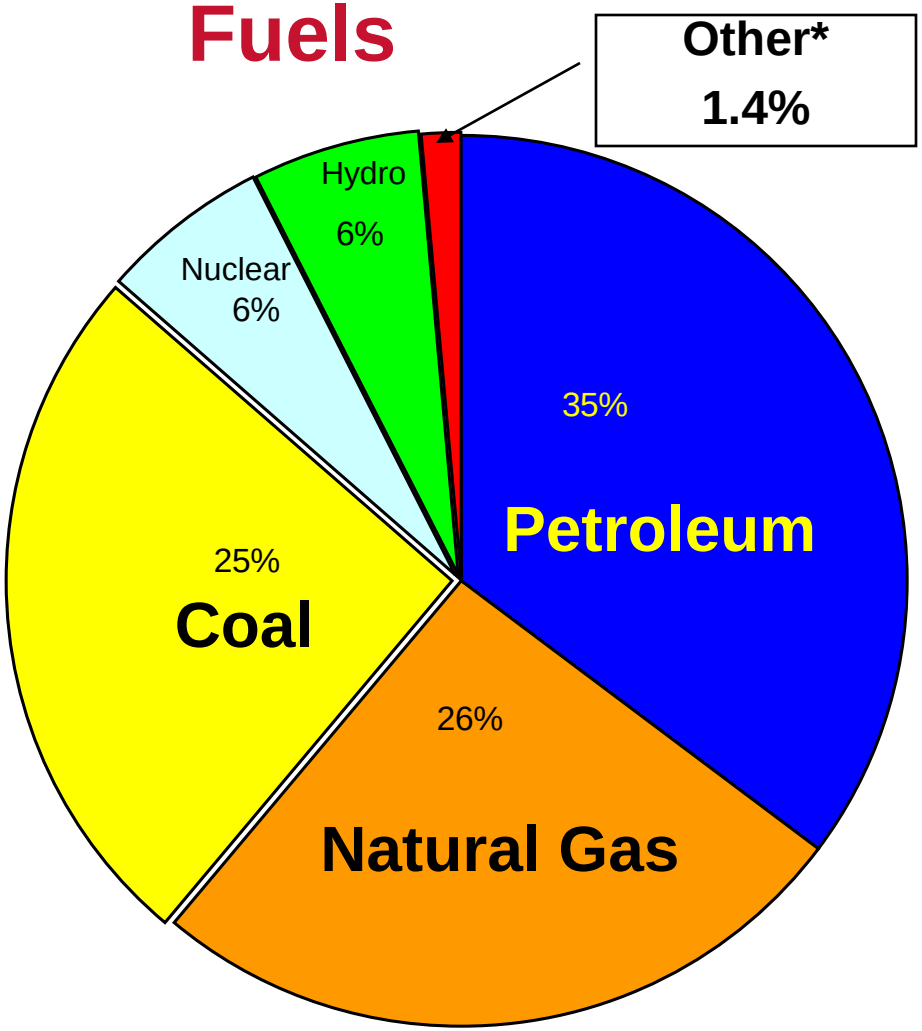
86% of World's Energy Produced by Fossil Fuels



*** Includes geothermal, solar, wind**

Source: EIA 2004 Data

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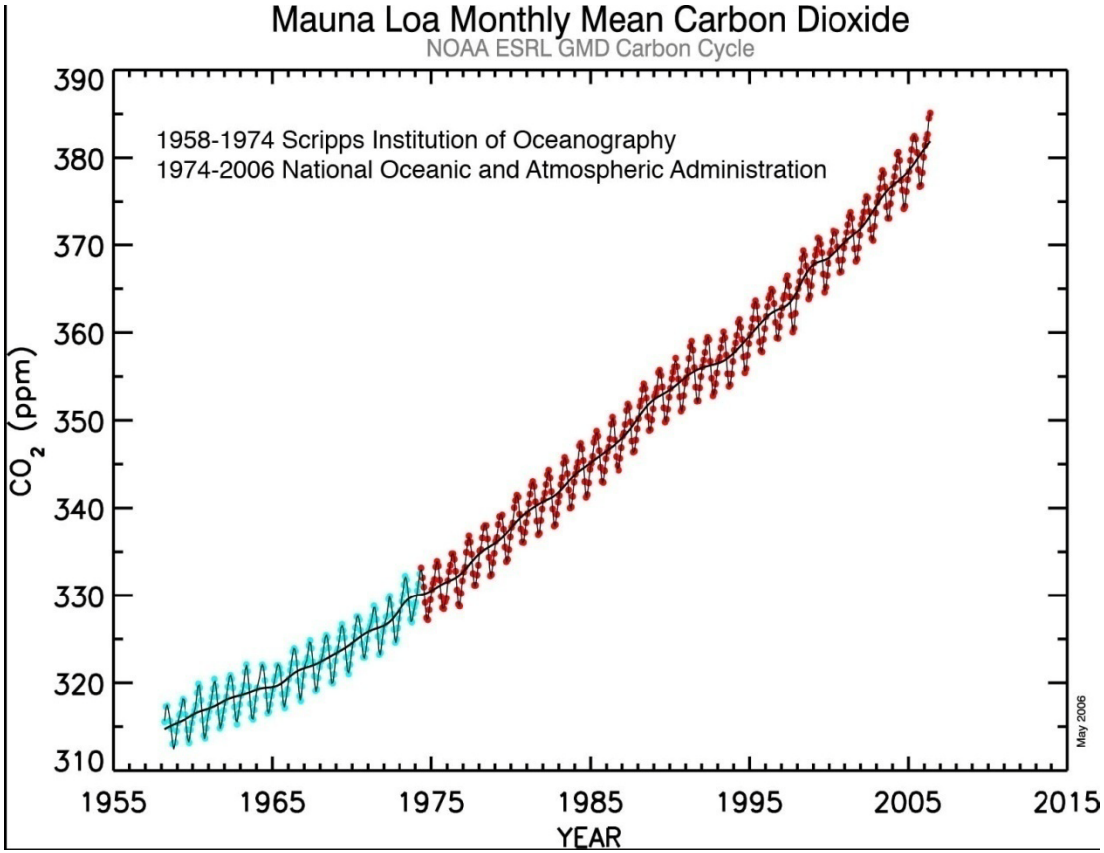
The Real US Energy Situation

Total US energy consumption = 100 Quads

85% is carbon fuels

Electric power sector = 38.2 Quads



1 quad per year = a mile-long train of coal every 2 hours, 24-7

61% Goes For Non-electric Use

Source: EIA 2008 Data

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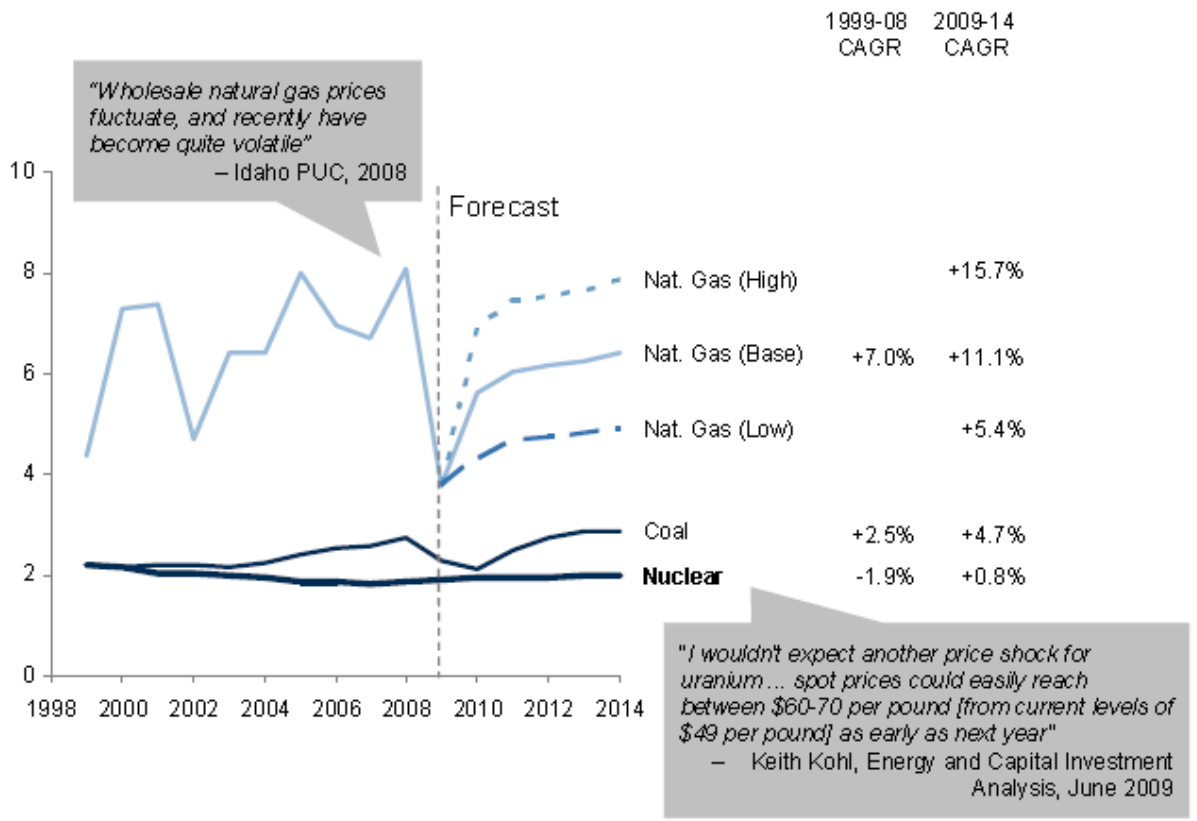
Nuclear power remains the safest, proven 24/7,sustainable, CO_2- free energy source

US Electricity Production Costs and Components

Electricity Cost by Fuel Type (No Carbon Tax)[1]
2008 Cents/kWh



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GREENPEACE
Patrick Moore – Green Peace
Steve Brand – Whole Earth Catalogue
James Lovelock - GAIA
Greg Warren – Australian Wildlife Fund

Produce More Energy And Reduce Our Carbon Emissions

What are the answers?

INCREASE ENERGY EFFICIENCY

DEVELOP CO2 FREE ENERGY SOURCES

NUCLEAR ENERGY

- RENEWABLES

DEVELOP CARBON CAPTURE AND STORAGE

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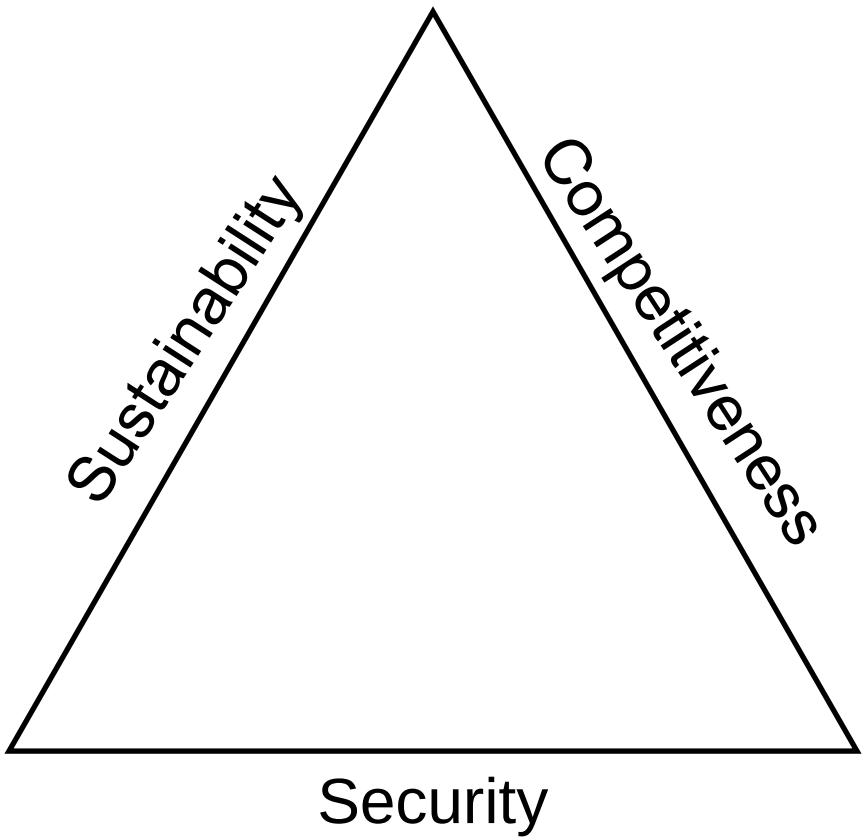
▶When it is about energy…three requirements have to be met:



The Energy Triangle

- **Fossil fuels**
  - **= competitive at this time, but not sustainable, with substantial CO2 emissions**
  - **= and what about climate legislation?**
- **Renewable energy, a good choice:**
  - **= Low-carbon emissions**
  - **But…**
  - **= Intermittent energy**
  - **= Cannot ensure full security of supply**

Nuclear energy meets the 3 requirements

!

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Nuclear Power Plants ARE and Will Be Competitive

- FP&L: Nuclear superior in 8 of 9 scenarios
- Progress: Nuclear “better than AFBC, pulverized coal and coal gasification”

Brattle Group analysis:

Technology	Nuclear	SCPC w/CCS	IGCC w/CCS	Gas CC w/CCS
Capital Cost ($/kWe)	4,038	4,037	3,387	1,558
Levelized Cost ($/MWh)	83.40	141.90	124.50	103.10

Source: “Integrated Resource Plan for Connecticut,” The Brattle Group, January 2008

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AREVA's committed to sustainable renewable generation

Anne Lauvergeon and Jim Rogers (Duke Energy CEO) with Bill Clinton for ADAGE launch

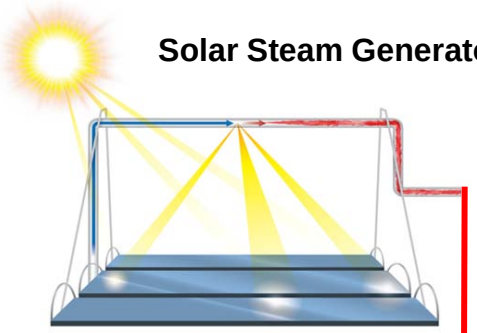
AREVA biomass

ADAGE, for the US

- Plans to develop twelve 50 MW biopower energy plants in the continental U.S. for green electricity customers from wood waste
- Launched in Sept 2008 by AREVA and Duke Energy at the Clinton Global Initiative
- Combines the strength of the two major energy companies:
  - AREVA will design and build biomass power plants
  - Duke Energy Generation Services (DEGS), a business unit of Duke Energy that owns and develops renewable energy, will manage operations

AREVA's committed to sustainable renewable generation

Concentrating Solar Power (CSP) for large-scale power generation and industrial steam customers



Solar Steam Generator

Steam (Saturated or Superheated)

Standalone Solar & Solar Hybrid Power Plants

Solar Steam Augmentation

Industrial Processing

Customers	• **Utilities** • **IPPs**	• **Utilities** • **IPPs**	• **Enhanced oil recovery & refining** • **Chemical processing & refining** • **Food processing** • **Desalination**

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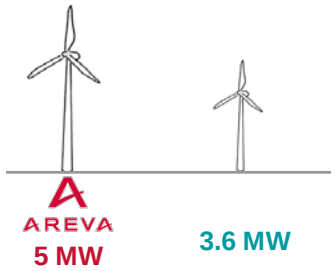
AREVA's committed to sustainable renewable generation

Multibrid turbines M5000

Offshore turbines

- The most powerful offshore turbine on the market (5 MW)
  - A leading edge position on a market favourable to high power turbines



- A wind turbine designed specifically for harsh sea conditions
- A light-weight structure, providing
  - A facilitated installation and maintenance
  - The best weight / power ratio available on the market

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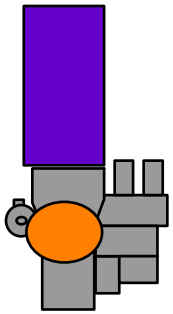
Koeberg South Africa
Part of the AREVA 900 MWe Fleet

Civaux France

Part of the AREVA 1500 MWe Fleet



Recyclable Energy

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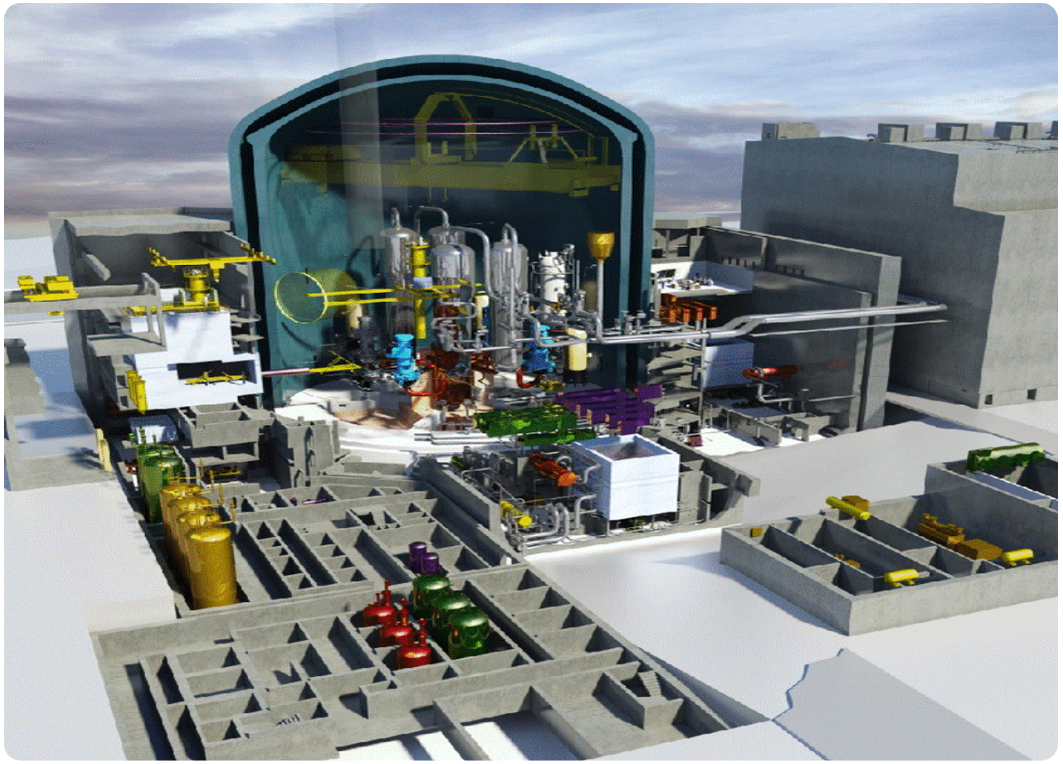
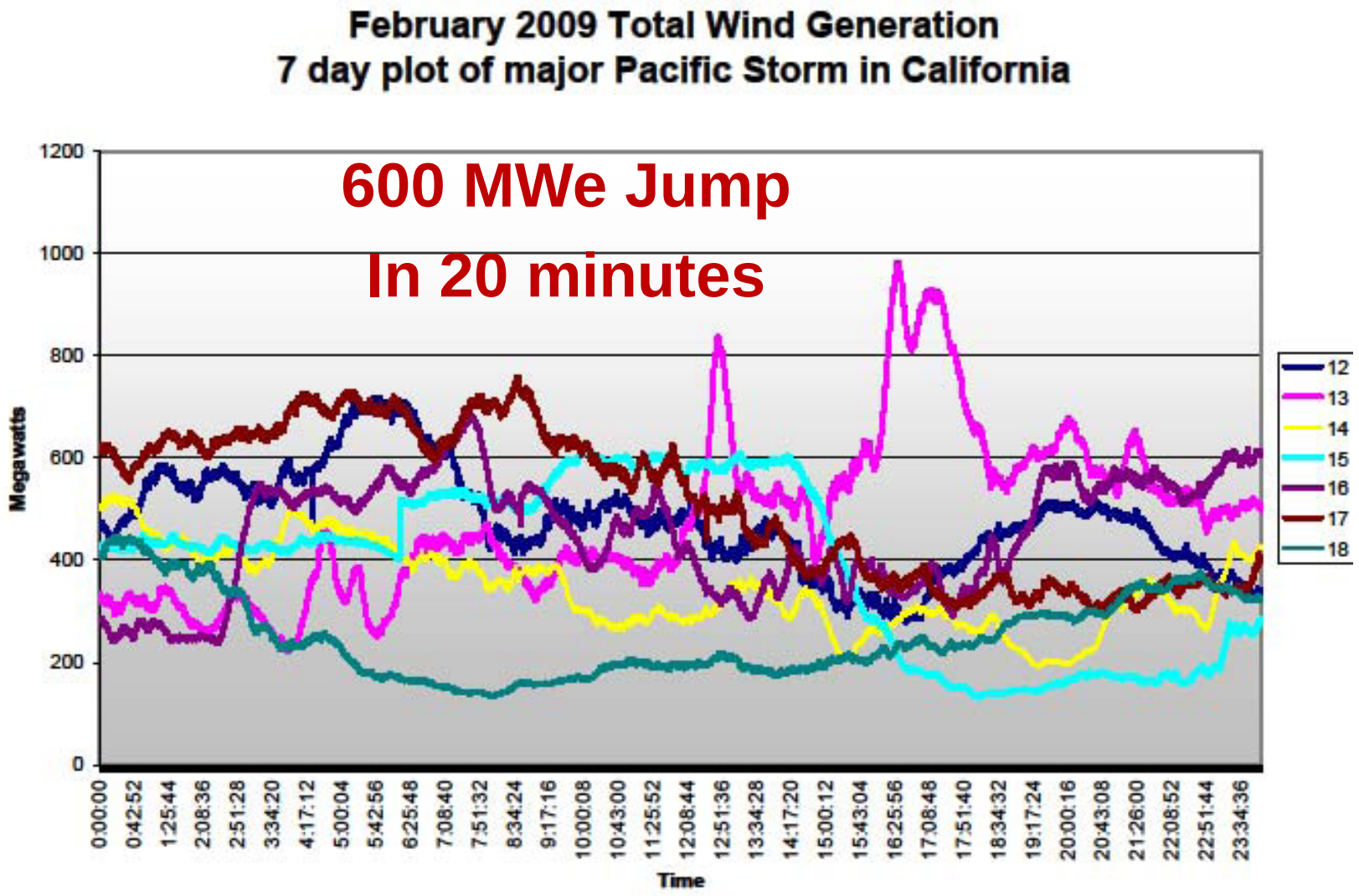
The AREVA EPR
Another evolutionary fleet



CERTAINTY
For an
Uncertain Time

EPR™
by AREVA
AREVA

Importance of Digital Control



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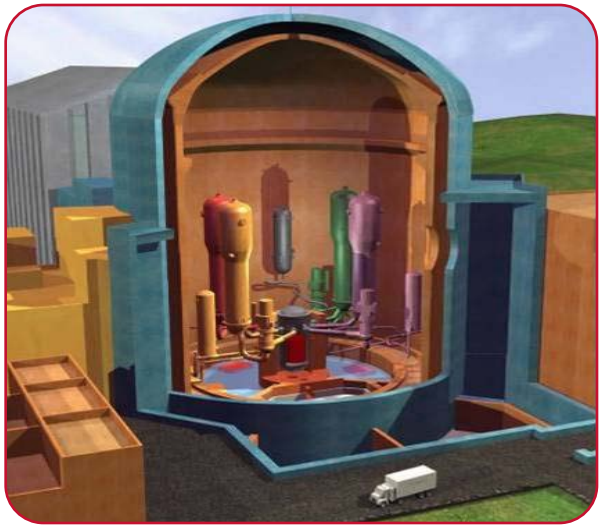
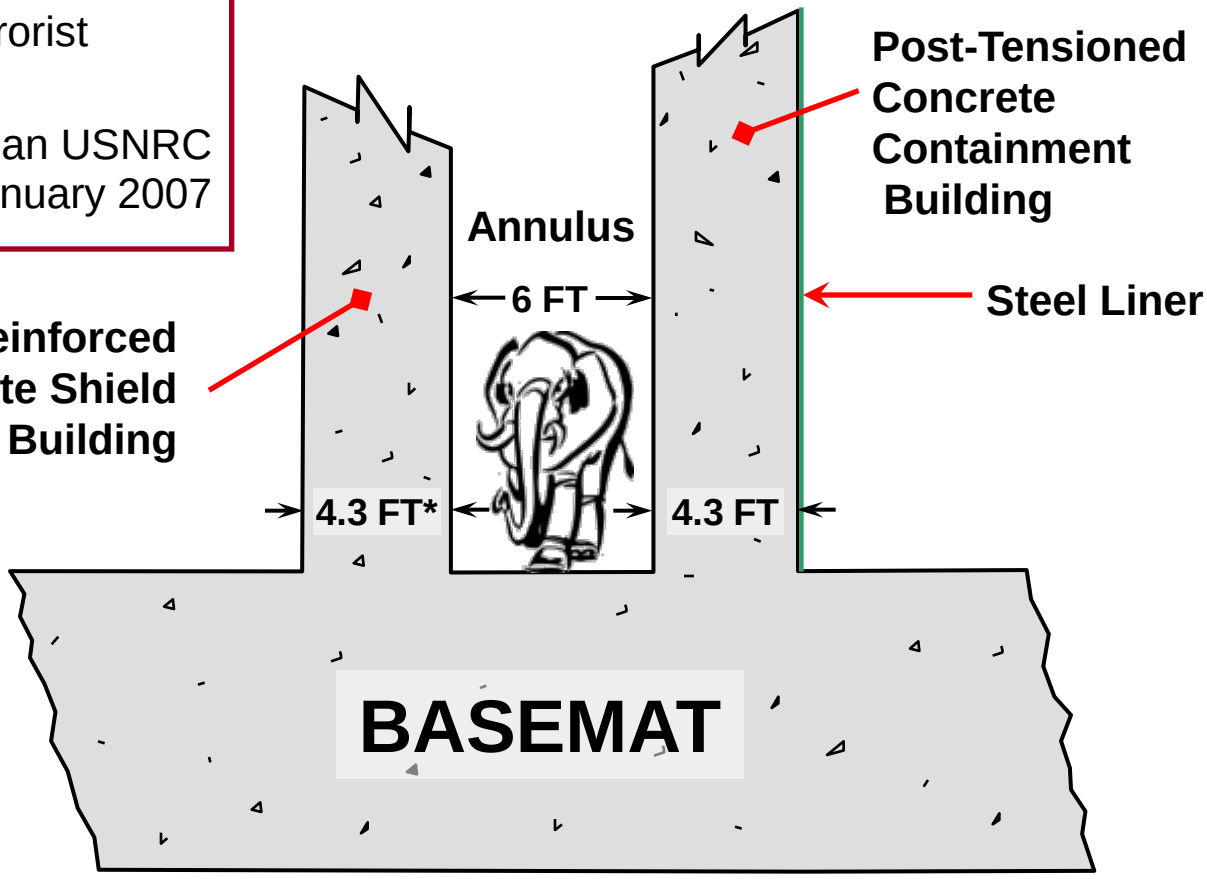
Aircraft Hazard Protection

"Future nuclear power plants should include design improvements to better protect against a terrorist attack by large aircraft"

-Dale Klein, Chairman USNRC
January 2007





*Exposed section of Shield Building (above surrounding buildings) is 5.8 ft thick

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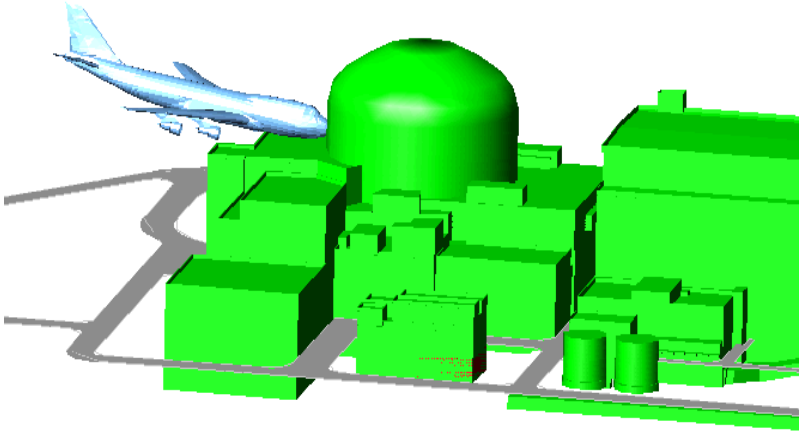
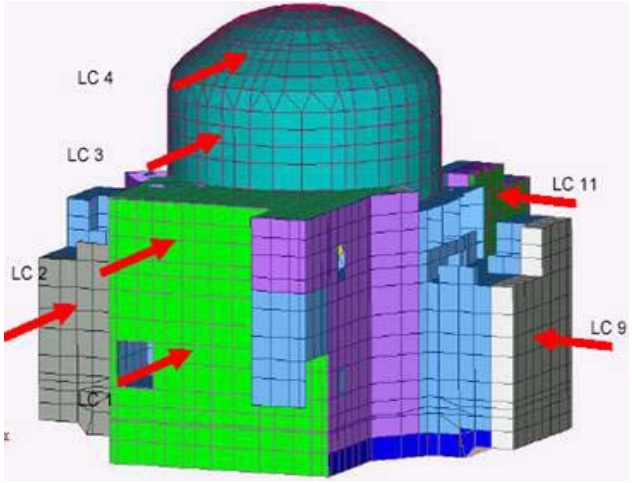
EPR Aircraft Hazard Protection

EPR Designed to Withstand Impact of:

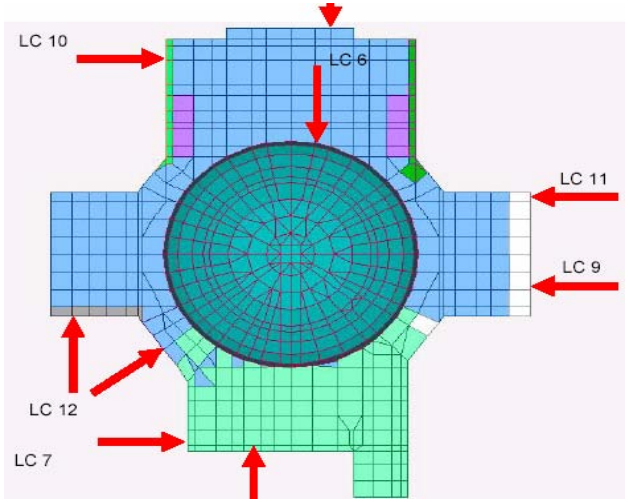
A large commercial airplane



at various elevations



and from different sides



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AREVA's EPR Fleet
Turning the nuclear renaissance into reality

- Plants are being built
- Experience gained is being incorporated into US market
- Knowledge transfer is being accomplished
- THIS IS REAL EXPERIENCE

This is what we are doing – Not what we are going to do

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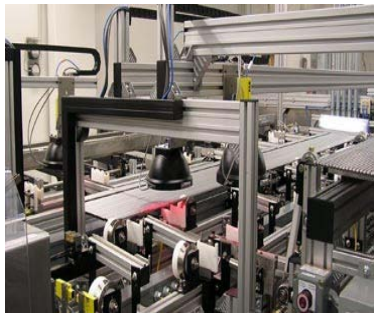
AREVA - Investing in US Infrastructure

OFR Upgrade

$16M

Expansion



Best Practice Rod Lines

$6M

US Enrichment Center in Idaho

Pump and Motor Facility

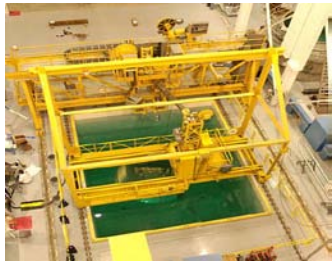
$16M

Blended Low Enriched Uranium Facilities

$60M

Newport News Manufacturing Facility

$230M



MRR Training Facility

$6M

Chemistry Lab

$6M

>$400M of Our Money!

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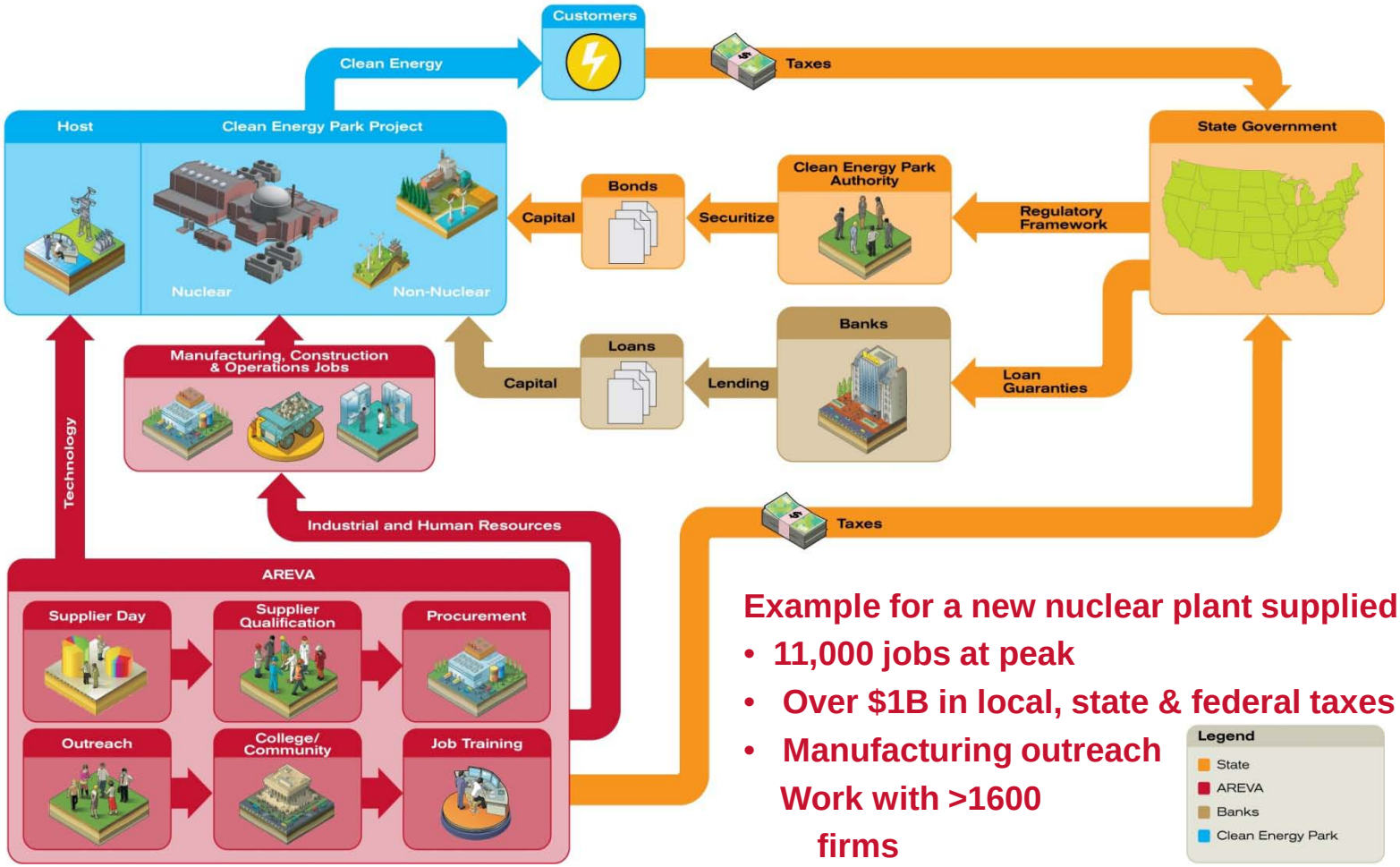
Self-Sustaining Clean Energy Park Project



Example for a new nuclear plant supplied by AREVA

- **11,000 jobs at peak**
- **Over $1B in local, state & federal taxes**
- **Manufacturing outreach**
  Work with >1600 firms
- **Educational outreach**

Jobs, Manufacturing, CO_2-Free Energy

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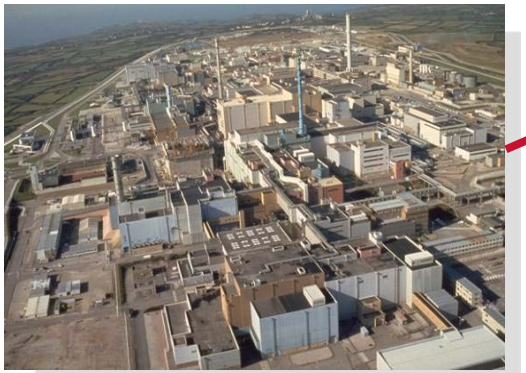
AREVA Recycles NOW!

- **Natural resources savings**
  - **Used fuel contains 96% of reusable materials**
  - **Up to 25% natural uranium savings**



La Hague, France
Spent Fuel Reprocessing

Dry Cask Storage

Melox/Marcoule, France
Mox Fuel Fabrication

We aren’t waiting, we are not studying,

We are doing!

AREVA

Dry cask storage as an interim option

Whether it is ….

Long-term sustainable jobs

We have shovels in the ground – today!

We can accelerate the recovery

TODAY!

Shovels in the ground – LITERALLY!

AREVA

President Obama

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Clean Energy Park

President Obama – Build these parks!

April 7, 2010

"to promote the sustainable supply and use of energy for the greatest benefit of all."