

HOW
GREEN
CAN
WE
GET?





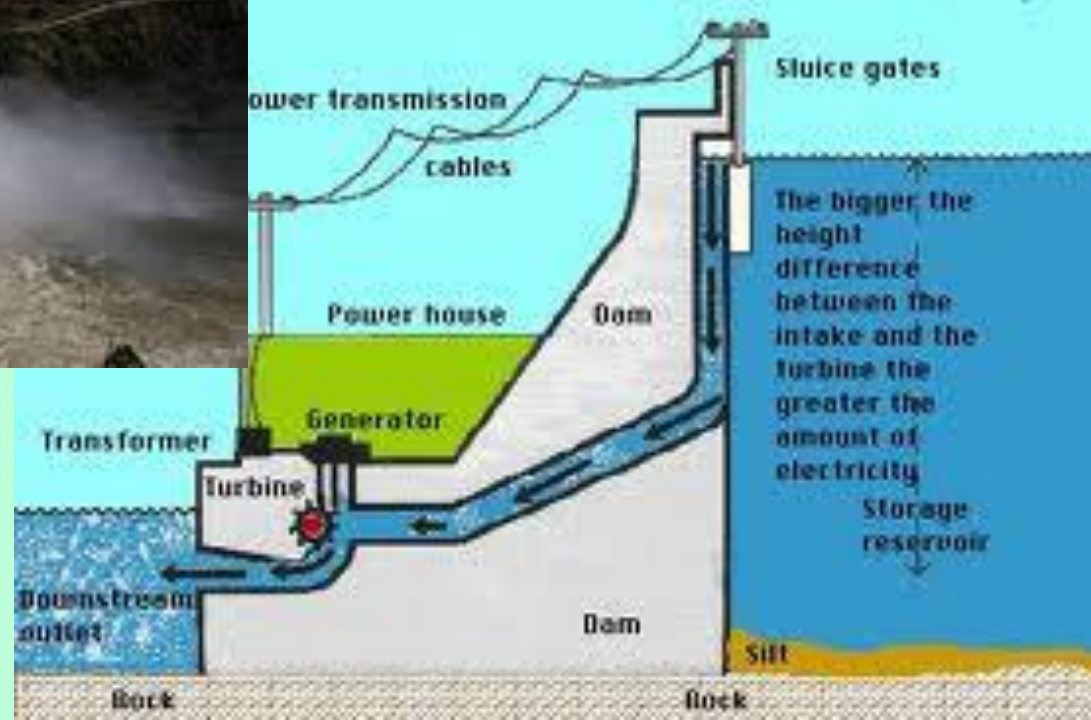




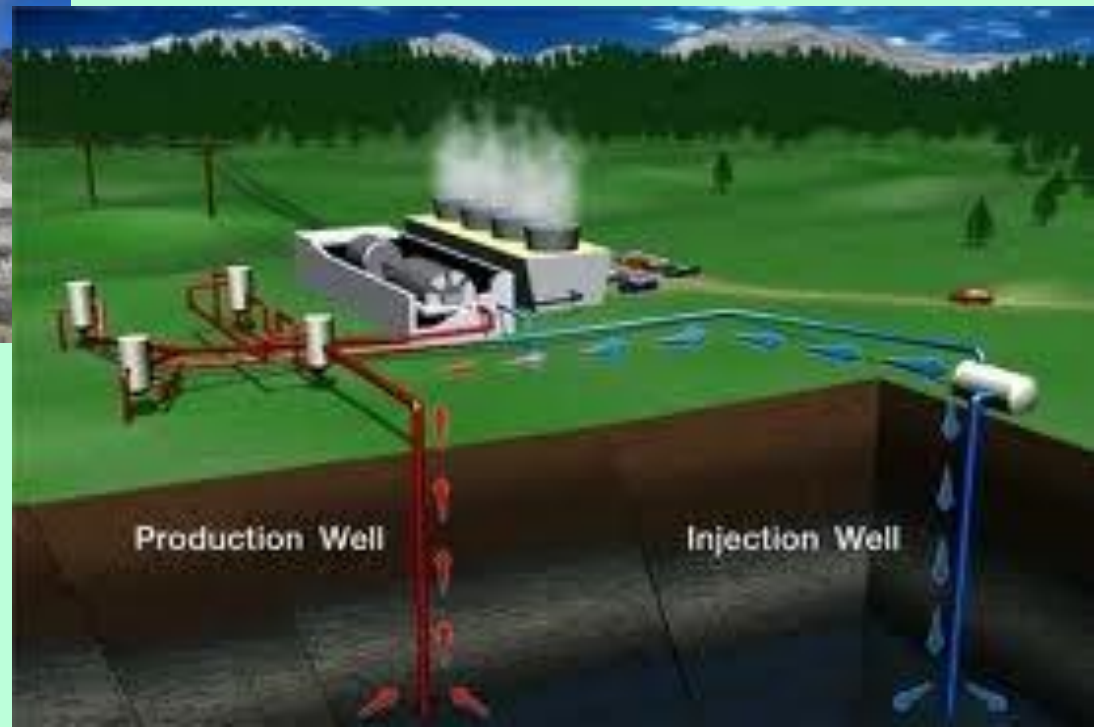
Tidal Energy



Hydroelectric Energy



Geothermal Energy



Green Technologies

- Wind
- Solar
- Tidal
- Hydro
- Geothermal
- Hydrogen
- Nanotechnology

Nuclear Energy



Electric Automobile of the Future



Green Economy

- The economic activity related to:
 - Reducing the use of fossil fuels
 - Decreasing pollution and greenhouse emissions
 - Increasing efficiency of energy usage
 - Recycling materials
 - Developing and adopting renewable energy sources
- **We have to get better at what we are doing!!!**

Program Improvements

- Adding Emerging Energy Technology to curriculum
 - LNG and CNG
 - Clean Coal Technology
 - Alternative Fuels
 - Biodiesel
 - Ethanol
 - Wind
 - Solar

Curriculum

- LNG- Natural gas that has been converted to liquid form for ease of storage or transport. It takes up about 1/600th the volume of natural gas in the gaseous state.
- CNG- A readily available alternative to gasoline that's made by compressing natural gas to less than 1% of its volume at standard atmospheric pressure. It's drawn from domestically drilled natural gas wells or in conjunction with crude oil production

LIQUEFACTION



LNG TERMINAL

SHIPPING



LNG CARRIER

GASIFICATION



LNG RECEIVING TERMINAL

PRODUCTION



NATURAL GAS WELL

LNG SUPPLY CHAIN

MARKETS



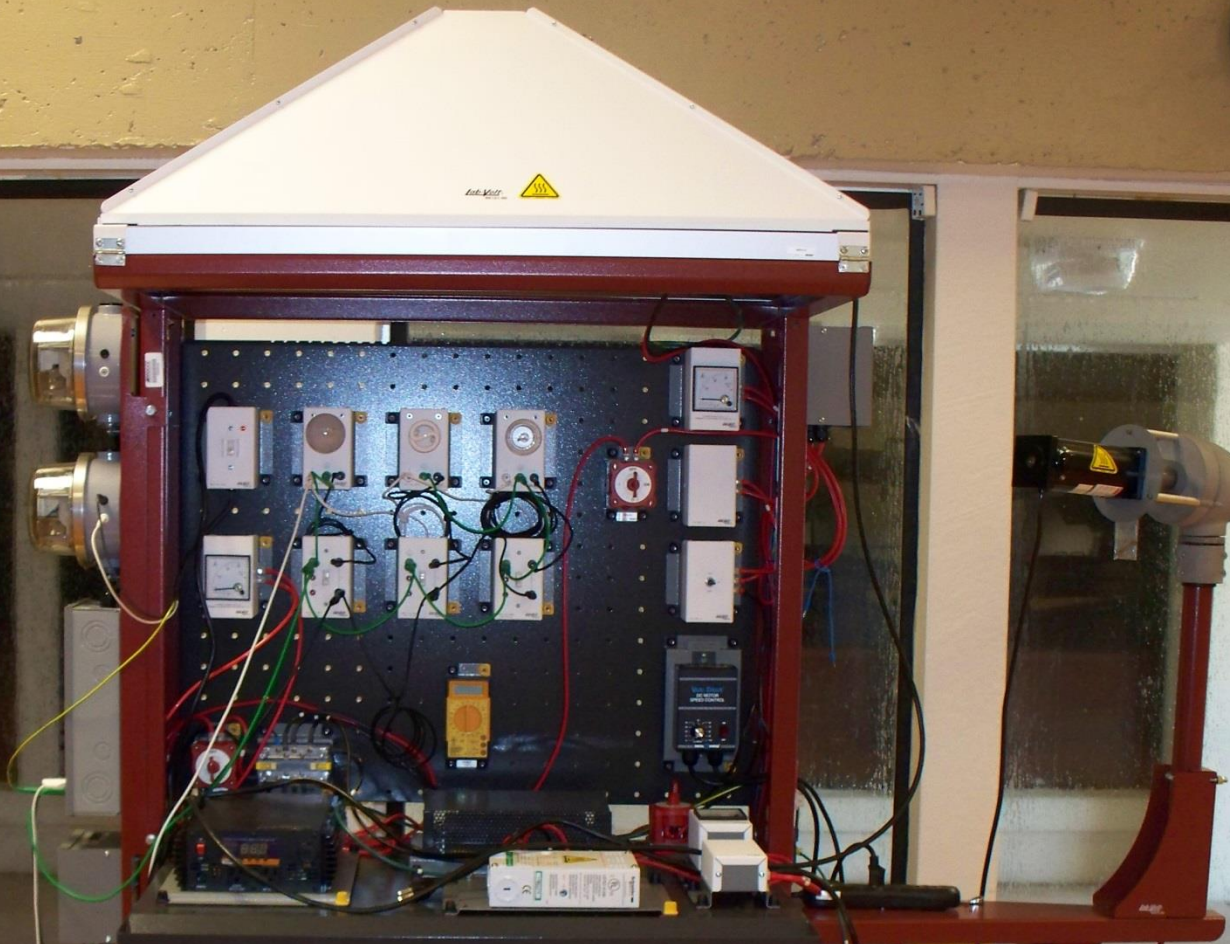
POWER STATION



TOWN GAS

Clean Coal Technology

- 92% of US coal production goes to power generation
- Options for cleaner technology
 - Coal Washing
 - Emissions Control
 - Low-NO_x burners
 - Flue gas scrubbers
 - Gasification



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**SOLAR / WIND ENERGY
TRAINING SYSTEM**

06/13/2013



GREENtech™

Energy Efficiency & Renewable Energy Training Lab

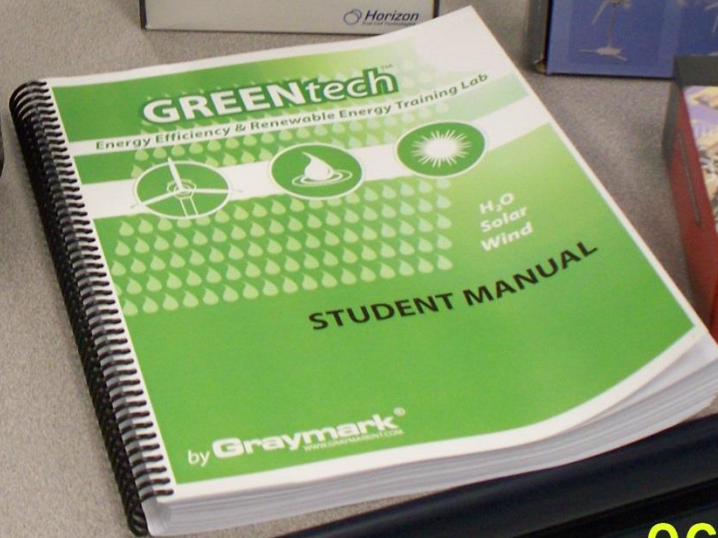
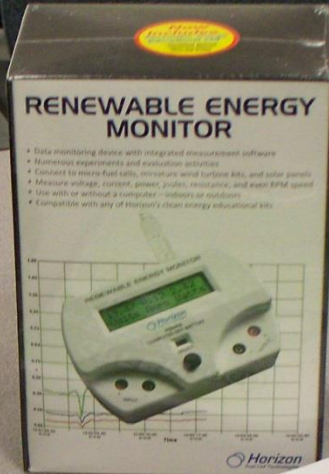


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Wind
H₂O
Solar

06/13/2013



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What can we do everyday?

- Recycle, Recycle, Recycle
- Reuse
- Reduce



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