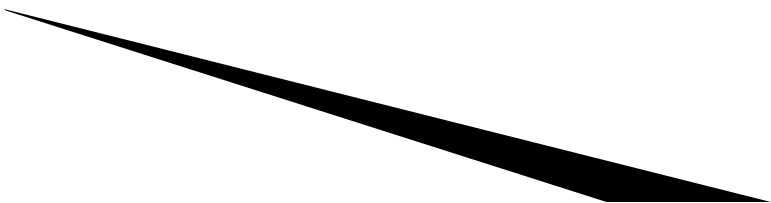
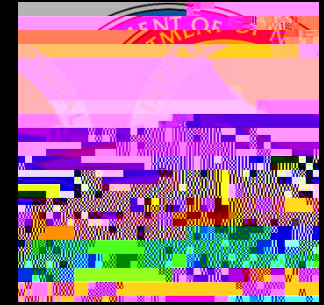


The Future of Louisiana Energy and the Environment

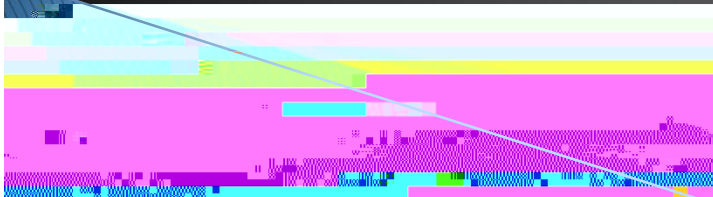


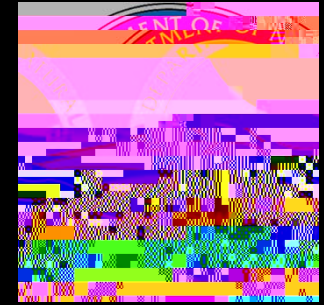
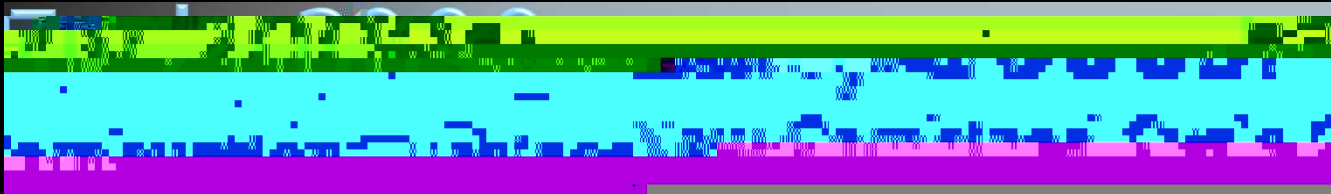
Paul Miller, Assistant Director, PE
Louisiana Department of Natural Resources
Technology Assessment Division - State Energy Office





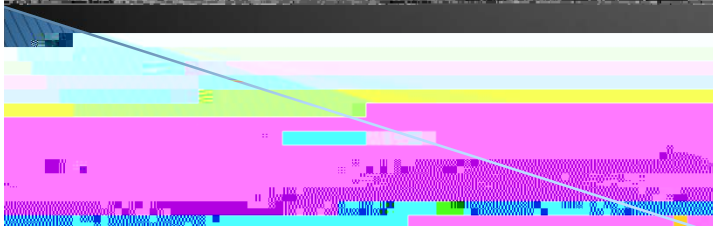
- Federal Energy Policy
 - Coal has dominated electric generation in the US for more than 60 years
 - But in Louisiana, electric generation was dominated by Natural Gas until the 1970s
- 1973 Arab Oil Embargo
- 1975 Energy Policy & Conservation Act
 - Required that new electrical generation be from America's Abundant Resource... Coal
 - State Energy Offices were established
- 1980s: 4 new large scale coal fired electric generation stations were built in Louisiana

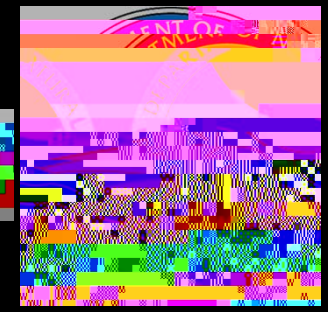
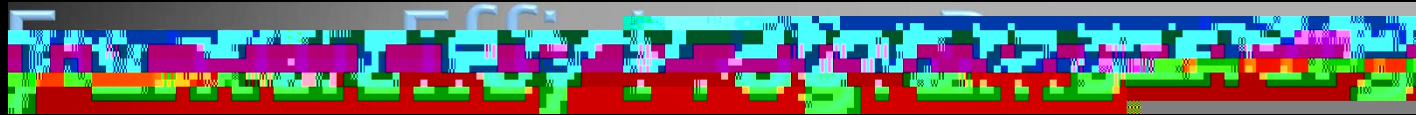




- Electric Demand Growth
- Potential Changes to the Integrated Utility Structure

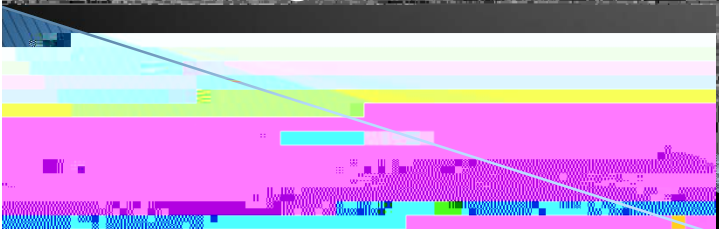
- Advent of Independent Power Producers
- Availability of New Highly Efficient / Low Emitting Combustion Turbines

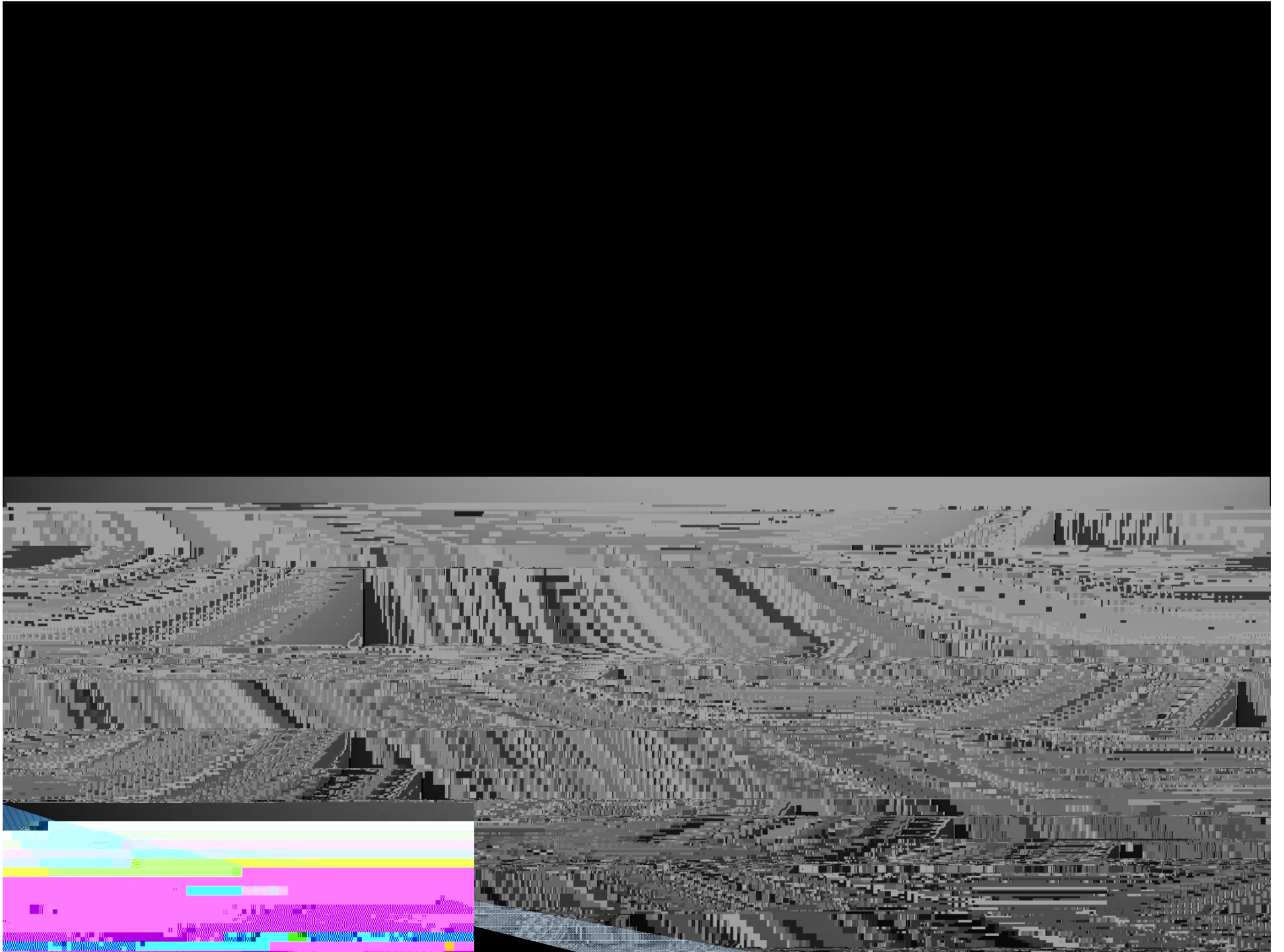


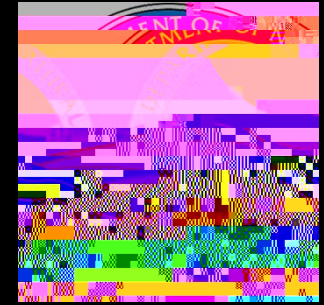
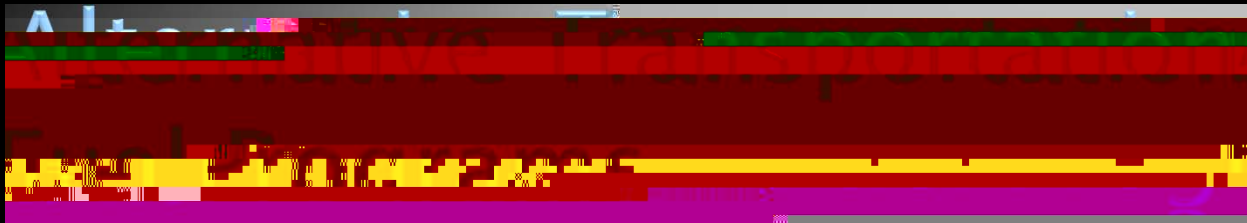


- 1998: DNR established new energy efficiency programs
- Initially focused on individual homes
- Expanded to include low interest Revolving Loan Program focused on schools (>\$30 Million to date)

- Expanded under ARRA in 2009
 - State Buildings (Lead By Example)
 - Energy Star® Appliance Rebate Program
 - Energy Efficiency and Conservation Block Grant Program (EECBG)
 - Renewable Energy Program
- Programs have saved well over 600,000 MMBtu of energy

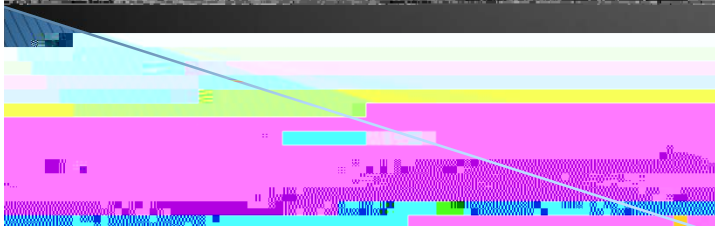


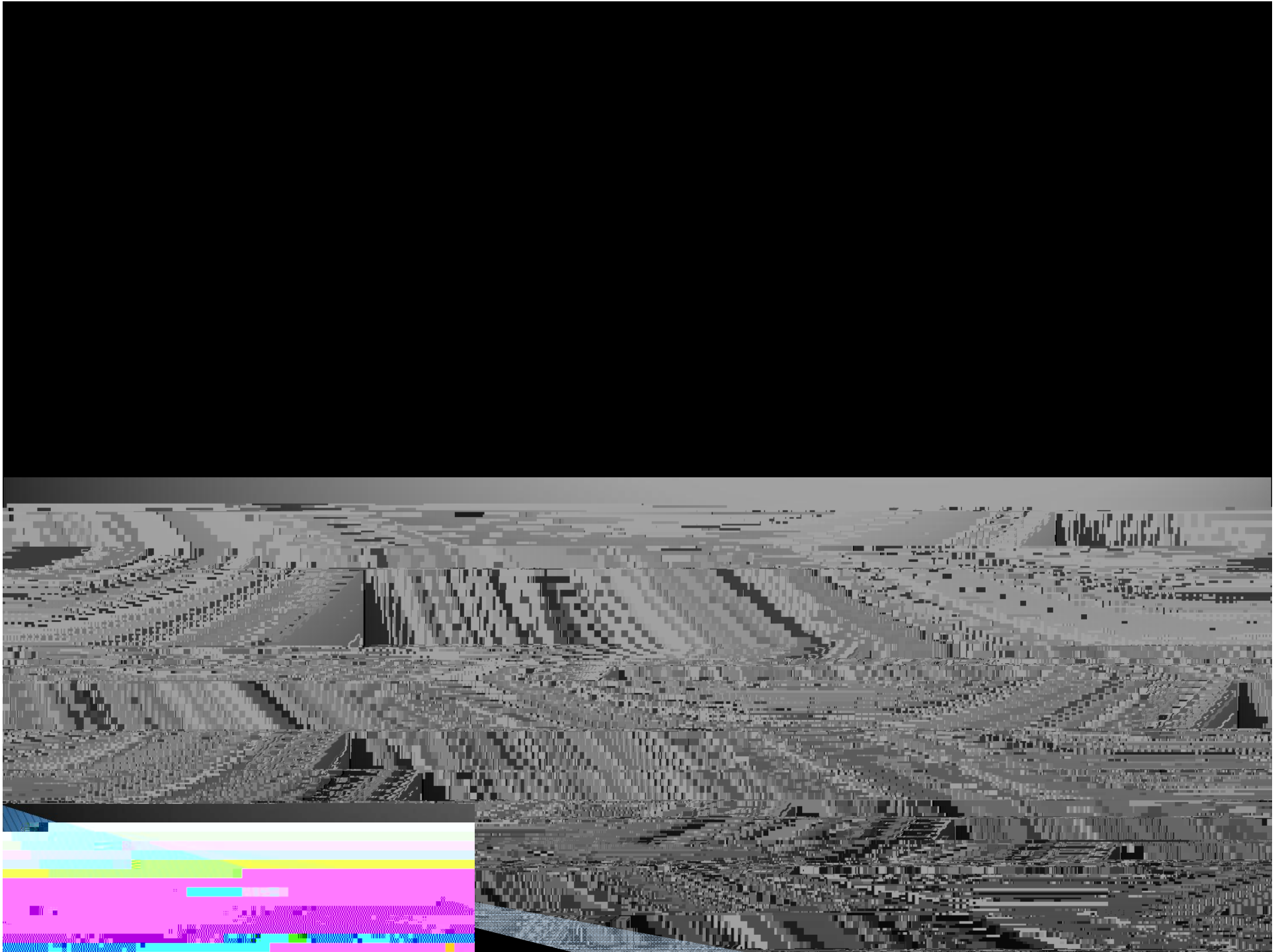


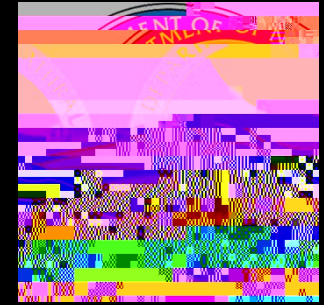
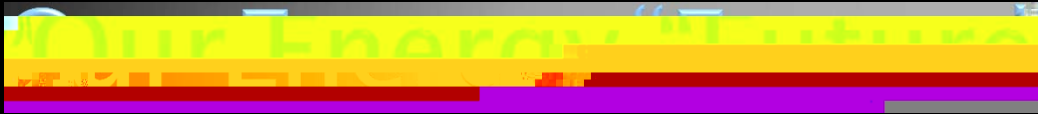


- DNR continues to encourage the development of Alternative Fueling Infrastructure including CNG, LNG, Propane, and Electric

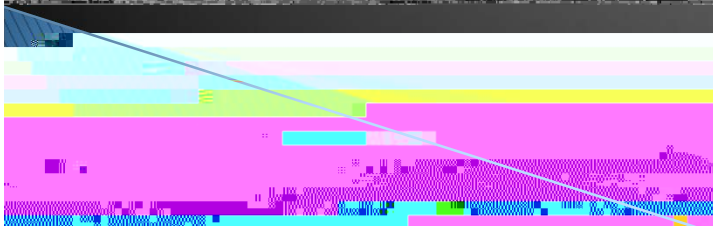
- Under ARRA, DNR funded the award-winning St. Landry Parish Landfill BioCNG Facility and 11 CNG Stations
- Continue to provide funding for the work of Louisiana Clean Fuels and the Greater New Orleans Clean Cities Coalition

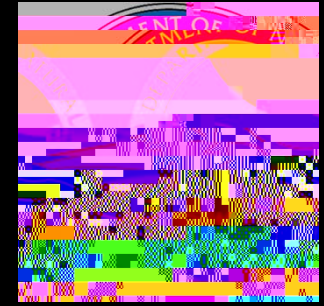






- Continue to promote responsible energy exploration and development
- Continue to promote Alternative Transportation Fuels
- Continue to promote Energy Efficiency Projects
- Continue to promote Renewable Energy
- Work with LPSC and LDEQ on responding to new EPA Air Quality Standards and Regulations





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