

# MAJOR HYDROELECTRIC DEVELOPMENT AT BRANDON ROAD AND DRESDEN ISLAND LOCKS & DAMS



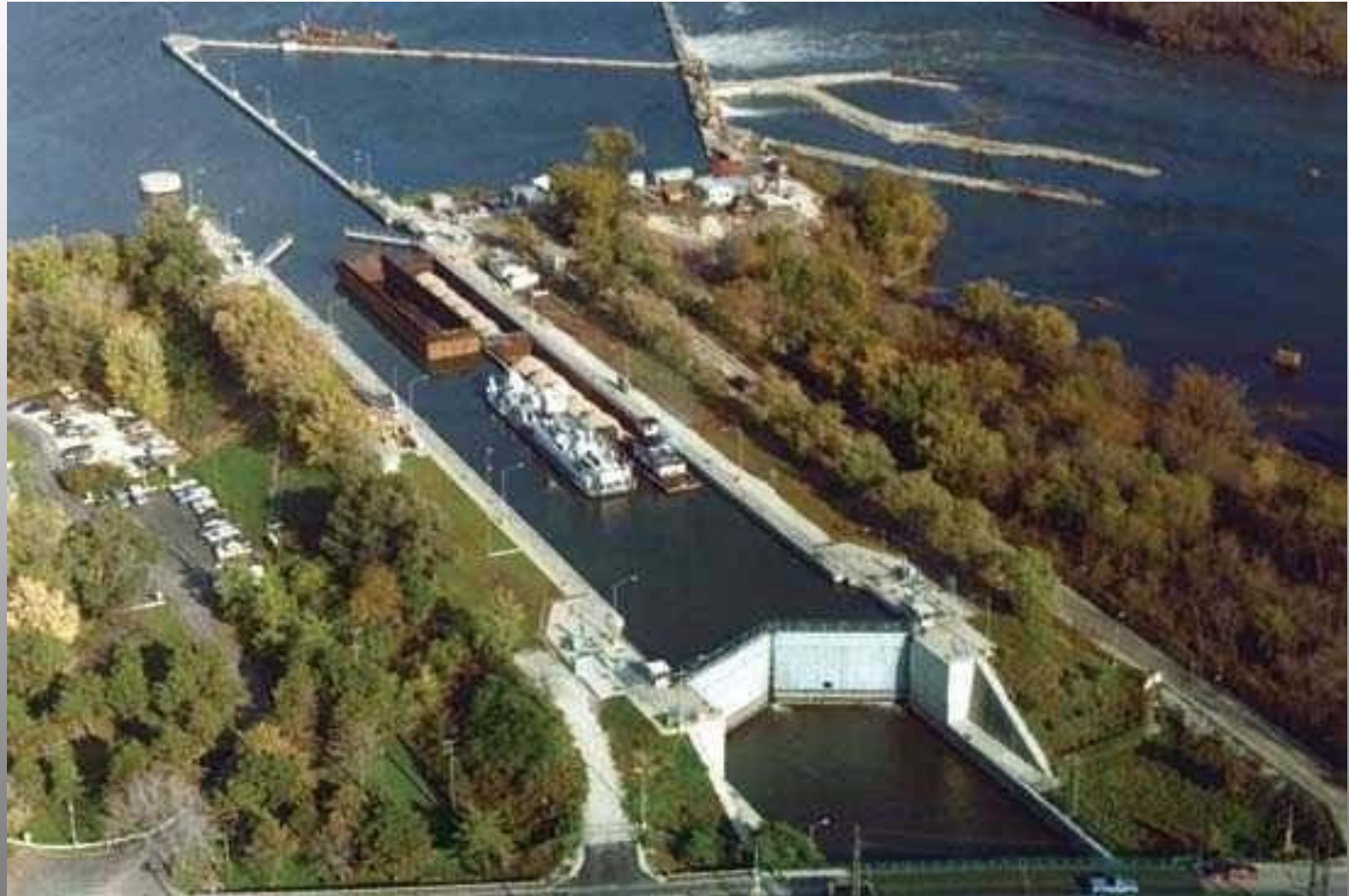
***Northern Illinois  
Hydropower, LLC***

***Kleinschmidt***  
Energy & Water Resource Consultants

# The Projects

- Northern Illinois Hydropower, LLC
- Existing Army Corps of Engineer Projects on Illinois Waterway
- High Traffic Lock Systems Designed to Accommodate Hydro
- Previous Attempts at Development Unsuccessful

# Brandon Road Lock & Dam



# Brandon Road Lock & Dam

- Des Plaines River, South of Joliet, Illinois
- 1,550 ft Concrete Gravity Dam
- Maximum Head - 34.50 ft
- 10.2 MW Capacity
- Annual Production - 60,000 MWh

# Dresden Island Lock & Dam



# Dresden Island Lock & Dam

- Illinois River, Morris, Illinois
- 1,320 ft Dam
- Maximum head ~18 ft
- 10.2 MW capacity
- Annual Production - 59,300 MWh

# The Process

- Preliminary Permits, 2006
- Feasibility Analysis, 2007
- Pre-application Documents, 2008
- Studies, 2008 – 2009
- Engineering Design, 2007-2009
- File for License with FERC, 2009
- Secure Investors, 2007-2010
- Finalize Design, 2009-2010
- Construction, 2010

# New Incentives for Development

- State and Regional Recognition of Potential Renewable Resources
  - Recognition of Hydro Potential
  - State and Federal Incentives



# Incentives

- Illinois Resource Development and Energy Security Act (2001)
- Illinois Commerce Commission resolution (2005)
- Illinois Public Act 095-0481 creating the Illinois Power Agency (2007)
- Midwestern Greenhouse Gas Reduction Accord (2007)

# Incentives

- The Stimulus Bill
  - Extends Department of Energy Programs:
    - Federal Production Tax Credit (PTC)
    - Federal Investment Tax Credit (ITC)
    - Increases Clean Renewable Energy Bonds (CREBs)
  - Department of Treasury:
    - 30% Grant Program

# Moving Forward

- Secure Power Purchase Agreement
- Secure Investors
- Work through FERC, ACOE and State Licensing Process
- Construction-2010
- Generation - 2012

*Thank You*

*Damon Zdunich*

*Northern Illinois Hydropower, LLC*