

STATUS REPORT AIR EMISSION CONTROLS FOR DEERHAVEN 2

Presentation to the
Gainesville City Commission

By

Gainesville Regional Utilities

September 12, 2005

QUICK REVIEW

- March 2005 – New USEPA Regulations
 - By January 2009 – NO_x Reductions
 - By January 2010 – SO₂ and Mercury Reductions
- Deerhaven 2 Will Require
 - Selective Catalytic Reduction
 - Flue Gas Desulfurization (“Scrubber”)
- May 12, 2005 Authorized to Begin Process

PROJECT DESIGN PROCESS

- Technology Selection
 - Wet vs Dry Scrubbers
- Project Specifications
 - Design Criteria
 - Site Layout
- Design/Build RFP

ADVANTAGES OF DESIGN/BUILD

- **More Efficient Procurement and Construction Process**
- **Minimizes Financial Risk**
 - Preferred by Bond Rating Agencies
 - Enhances Performance Guarantees
- **Attracts Major Firms**

RFP DEVELOPMENT TEAM

- Owners' Engineer and Environmental Consultant
- Role Limited to:
 - Technology Selection
 - Design/Build RFP Development
- Owner's Engineer Disqualified From Design/Build Contract

SELECTION OF OWNER'S ENGINEER AND ENVIRONMENTAL CONSULTANT

- 21 Qualified Professional Engineering Services Firms already under contract for Utility Systems Facilities and Capital Improvements
- Those with Power Plant Experience Were Asked to Provide Proposals
 - 6 firms for Owner's Engineer
 - 2 firms for Environmental Consultation
- Selected Based on Qualifications and Approach
 - Sargent and Lundy, Inc.- Owners Engineer
 - ECT - Environmental Consultant

PROJECT TIMELINE

- Present Technology Selections
To City Commission
 - Early December 2005
- Issue RFP
 - Spring 2006