

## Levy Nuclear Plant - Overview Panel

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## Site Location




## Cross-Forida Barge Canal Looking West Toward Gulf



## Crystal River Site Discharge Canal



## Levy COL Application

- Combined License Application (COLA) for two units
- Submitted July 2008
- Incorporates by Reference the AP1000 Design Control Document (DCD)
- Adopts the R-COLA resolution of standard plant licensing issues
- NRC Guidance Utilized
- Regulatory Guide 1.206 "Combined License Applications for Nuclear Power Plants"
- NUREG-0800 "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants"
- NUREG-1555 "Standard Review Plans for Environmental Reviews for Nuclear Power Plants"
- RIS 2006-06 "New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach"


## AP1000 Emergent Issues

- Emergent issues result from detailed design for construction
- ISG-11 evaluation to identify issues that cannot be deferred

0 Condensate Return Design Change
O Main Control Room Dose
O Main Control Room Heatup
0 Combustible Gas Control in Containment
0 Source Range Neutron Aux Doubling Block Permissive

## Large Seismic Margin



## Environmental

- ER and FEIS - SMALL to MODERATE impacts
o No obviously superior alternative site
- Aorida Site Certification under Forida Power Plant Siting Act issued August 2009 included:

0401 Water Quality Certification
0 Coastal Zone Management Act Certification

- US Army Corps of Engineers 404 Permit issued December 2015

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