

OLD DOMINION ELECTRIC COOPERATIVE POWER PLANT STATUS REPORT

1

**PRESENTATION TO
HAMPTON ROADS PLANNING DISTRICT COMMISSION**

**JOHN M. CARLOCK
DEPUTY EXECUTIVE DIRECTOR**

OCTOBER 20, 2010



PRESENTATION OUTLINE

2

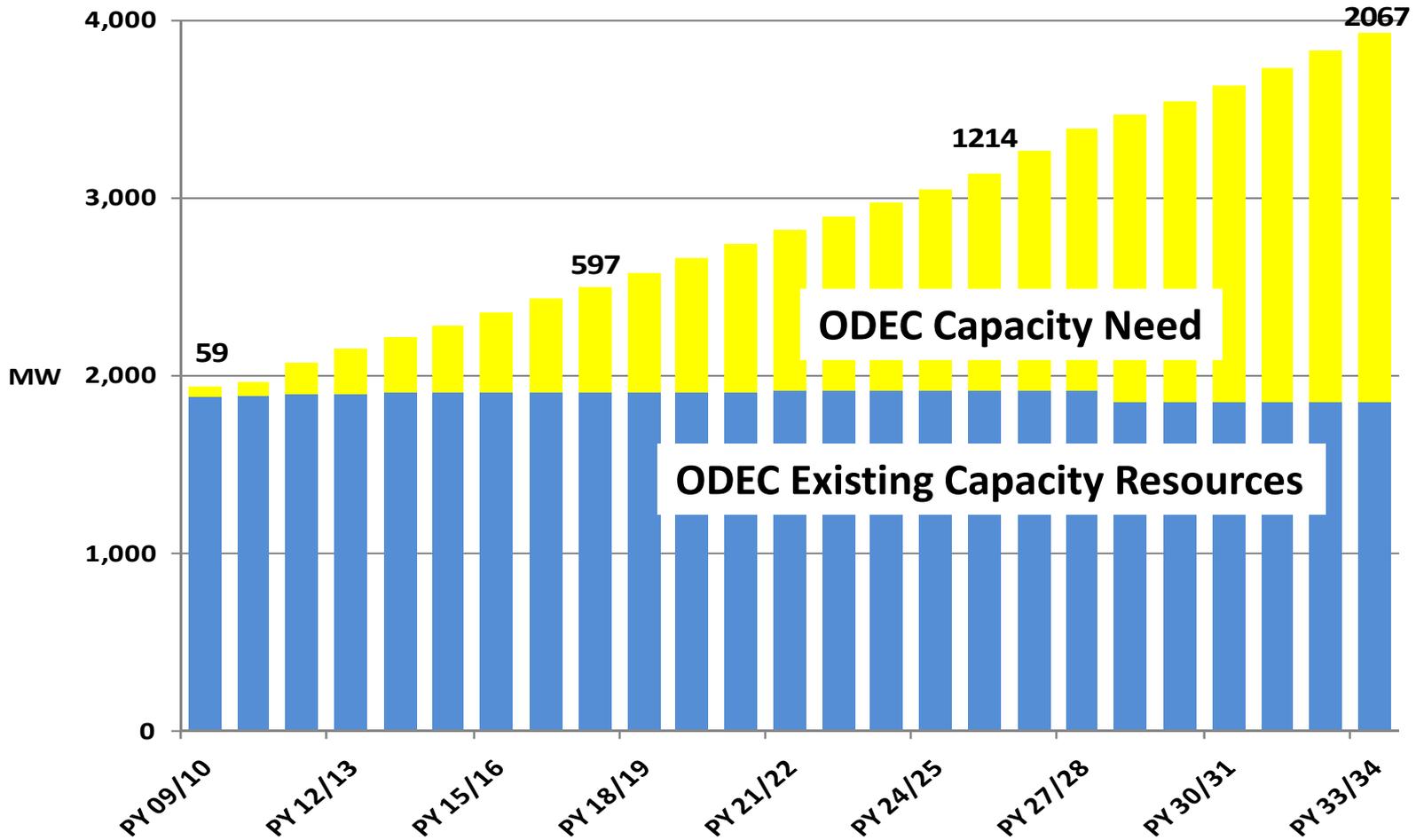
- **What has been proposed?**
- **Environmental Issues**
- **Economic Issues**
- **Status**

PROPOSED CYPRESS CREEK POWER PLANT

3

- **Capacity: 1500 Megawatt “baseload” electrical generation**
- **Fuel Source: Coal and Biomass**
- **Efficiency & Emissions: Latest technology/design**
- **Carbon Capture: Design for potential future CO2 capture**

ODEC Long-Term Capacity Needs



Site Location Process

Two Alternatives Required

5



Future Cypress Creek Project

6



ENVIRONMENTAL REQUIREMENTS

7

- **Air Quality Permits - DEQ**
 - Prevention of Significant Deterioration
 - Maximum Achievable Control Technology
- **Water Quality Permits – State and Federal Agencies**
 - Discharge Permits – Wastewater and Stormwater
 - Wetlands & Dredging
 - Water Withdrawal
- **Solid Waste Permits – DEQ**
 - Landfill
- **Associated Issues**
 - Fish and Wildlife Coordination – State and Federal Agencies
 - Cultural and Historic Resources – State and Federal Agencies

ECONOMIC CONSIDERATIONS

8

- **Capital Investment: \$5 Billion**
- **Increase in Tax Base**
- **Purchase of materials, equipment & services**
- **Employment:**
 - 2,400 during Construction
 - 200 during Operations

CURRENT STATUS

9

- **Local Approvals – Surry, Sussex and Dendron**
- **Air Permits**
 - MACT Application Withdrawn – July 2, 1010
 - PSD Permit Application Withdrawn – September 24, 2010
 - Permit Process on Hold – September 2010
- **Water Permits**
 - DEQ indicates no active permits
 - VMRC indicates no active permits
- **Solid Waste Permits**
 - DEQ indicates no active permits
- **Federal – COE Environmental Impact Statement**
 - Scoping – June 2009
 - Kick off Meeting – February 2010

NEXT STEPS

10

- **Monitor Cypress Creek Power Station Activities**
 - Old Dominion Electric Cooperative
 - Corps of Engineers EIS Process
 - State Regulatory Activities
- **Provide Future Status Reports to Commission**