

Capacity Need Forum Integration Work Group



April 14 2005

Agenda

Opening Remarks	Paul Proudfoot	10:00-10:10
Introductions	Group	10:10-10:25
MISO update on preliminary findings	Rao Konidena	10:25-10:55
Report from the Alternative Generation Work Group	Don Johns	10:55-11:10
Proposed Forecast	George Stojic	11:10-11:30
Definition of Scenarios and Sensitivities	Group	11:30-12:00

Introduction

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Work Group Chair

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Scenarios

- Traditional power sources
- Emissions
- Energy Conservation
- Non-Traditional sources

Traditional Power Sources Scenario Resource Options

- Pulverized Coal unit
- Single Cycle Combustion Turbine
- Gas Combined Cycle
- Integrated Gasification Combined Cycle
- Nuclear

Traditional Power Sources Scenario Assumptions

- Normal price driven energy conservation

Traditional Power Sources Scenario Sensitivities

- High Load
- Low Load
- High Gas Cost
- Max Import

Emissions Scenario Resource Options

- Energy Conservation Portfolio
- Waste to Energy
- Wind
- Cogeneration
- Integrated Gasification Combined Cycle

Emissions Scenario Assumptions

- \$30.00 per ton carbon tax
- 95% Mercury Emissions Removal
- IGCC has CO₂ sequestering

Emissions Scenario Sensitivities

- High Load
- High Gas Cost

Energy Conservation Scenario

Resource Options

- Energy Conservation Portfolio
- Waste to Energy
- Wind Energy Systems
- Demand Control Options

Energy Conservation Scenario Assumptions

- Maximum energy conservation options
- Demand Control replaces CT
- IGCC has CO₂ sequestering

Energy Conservation Sensitivities

- High Load
- Low Load
- High Gas Cost

Non-Traditional Sources Scenario Resource Options

- Waste to Energy
- Wind
- Cogeneration
- Integrated Gasification Combined Cycle

Non-Traditional Sources Scenario Assumptions

- Maximum waste to energy
- Maximum Cogeneration
- Wind Energy 2 times assumed

Non-Traditional Sources Scenario Sensitivities

- High Load
- Low Load
- High Gas Cost