

Natural Gas Issues, Trends, and Forecast Scenarios Workshop

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Purpose of Workshop

- Results of forecast scenarios
- Stakeholder input
 - Demand changes effects on infrastructure
 - Supply trends shale development



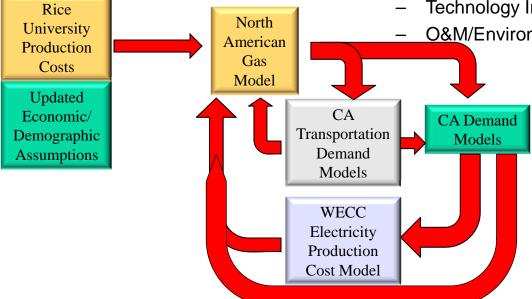
Modeling Framework & Iterative Modeling Process

Iterative process

- **Demand Forecasts**
- **Electricity Dispatch**
- NG Vehicle
- Natural Gas NAMGas Model

Variables for NAMGas

- Economic/Demographic
- Imports/Exports
- **RPS**
- CHP, DG, Electric Generation
- **Energy Efficiency**
- **Technology Improvements**
- O&M/Environmental Costs





Modeling Major Gas Issues

- Hydraulic Fracturing
- Innovation
- Gas/Electric System Interaction
- California Policy



Agenda

Morning

- Results of six cases for CA and the WECC from PLEXOS
- Highlights of 3 Common Cases Reference, High Demand Low Demand
- Highlights of 3 Alternative Cases –Policy, NG/Electric Integration,
 Low Innovation
- Panel Discussion Gas Demand and Infrastructure Issues

Afternoon

- Present results of Shale Cases 16 variations on cost and development
- Panel Discussion Gas Supply Issues
- Public Comment