

# 2013 Natural Gas Issues and Forecast Scenarios Workshop

2013 IEPR Workshop

Hearing Room A

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California Energy Commission

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# Purpose of Workshop

- Explore Important / Emerging Natural Gas Issues
- Present Model Scenarios
- Gather Stakeholder Feedback



# Major Gas Issues

- Cap and Trade for Natural Gas
- Gas / Electric System Interaction
- Natural Gas Storage
- Hydraulic Fracturing



# Model Scenarios

- IEPR Common Case Scenarios
- State and National Gas Uncertainties Cases
- Shale Production Uncertainty Cases



# Stakeholder Input

- Participation is key to improving results
- Clarifying Questions After Presentations
- Discussion After Each Topic
- Open Comment Before Lunch
- Open Comment at End of Workshop
- Written Comments Encouraged



# Questions?



# Modeling Approach

- Model Not Appropriate to all Possible Assumptions
- Translate Assumptions to Numeric Values
- Use Expert Judgment and Stakeholder Input
- Three Groups of Scenarios



# Model Scenario Groups

- 2013 IEPR Common Case Scenarios (3)
- State and National Gas Uncertainty Cases (3)
- Shale Production Uncertainty Cases (4)





# 2013 IEPR Common Cases

- Coordinated Input Assumptions
- Reference Case
- High Energy Demand Case
- Low Energy Demand Case



# State and National Uncertainty

- California Policy Case
- Natural Gas/ Electric Case
- Low Innovation Case



# Shale Production Uncertainty

- Shale Abundance
- Shale Reconsidered
- Shale Expensive
- Shale Deferred



# Workshop Conclusion

- Public Comment
- Closing Remarks



# Written Comments

- Comments Due May 8, 2013
- Submit via Email
- 13-IEP-1K and indicate Natural Gas Modeling and Trends in the subject line

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