Oil and Gas Subcommittee Sessions – Summary

- Presented by Committee Co-Chairs:
  - Javier Bocanegra of PEMEX
  - Kaplan Basniev of Gubkin Russian State University

- And Vice Chair:
  - Michael Layer of Environment Canada
Session 1- Oil and Gas Profile in China

- Committed to energy efficiency and operational excellence
- Policy and practices are designed to encourage sustainable principles
- Eager to cooperate with outside parties such as Methane to Markets and other internationally recognized programs
Session 2 – Policy, Regulatory Issues and Climate Change

- The issue has shifted from a bottom line environmental risk to a top line business opportunity
  - Improve reputational value
  - Stakeholder communications
- Creation of carbon markets
- Emissions reductions project should be designed to meet established reporting protocols to include certification requirements
Session 3 – Natural Gas Compression and Methane Leak Detection

- Technology being implemented for the identification and quantification of methane emissions
- Promising technologies for on-going emissions monitoring; GOSAT and ANGEL
- On-going Methane to Market deliverables:
  - DI&M Protocol
  - *NODAL Analysis (software)*
Session 4 – Upstream Production: Oil and Gas Wells

- Clean or “Green” well completion
  - Limited applicability/Significant emissions reduction potential
- Vapor recovery
  - Wide scale application/Significant emissions reduction potential
- Significant opportunity to increase sales of oil and gas.
- Additional revenue streams through carbon trading and CDM/JI
Session 5 – Processing, Transmission, and Distribution

- CNPC M2M Project
- Robust emission inventory programs require corporate policy and support infrastructure; Environmental Management Information Systems
- Demonstrate reduction for real time monitoring and reporting
Session 6 – Unconventional Gas Production and Utilization

- Projected natural gas demand increases:
  - Conserve conventional supply
  - Look to economical and “green” technologies to produce unconventional supply

- Leverage lessons learned through Methane to Markets, international forums and academia to ensure that conventional supplies are used wisely
Thank you
谢谢