ON TIME-A New Tool for Methane Emission Reductions

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November 12, 2008
What is ON TIME?

- **ON TIME** = **Online Tool to Identify Methane Emission Reduction Opportunities**
- A new online gateway to proven and cost-effective technologies and practices that reduce methane emissions in oil and natural gas operations
Working ON TIME is easy!

- Log on screen –
  - Natural Gas STAR www.epa.gov/gasstar/tools
  - Methane to Markets www.ontime.methanetomarkets.org
- Menu driven tool that provides users with pull down system options to mine more detailed information on methane emissions reduction technologies and practices
- Users click on specific points of interest to learn more
ON TIME

- Access ON TIME directly from flow sheets
- Or, simply navigate ON TIME via the left side bar
- Demonstration using screen shots
- Live set up in the exhibit area, please stop by and try out ON TIME
Main Screen - Oil and Gas Industry
Oil and Gas Industry Overview

Flow Diagram of Oil & Gas Industry Overview

- Oil Wells
- Casing Gas
- Associated Gas
- Venting & Flaring
- Flow Line
- Produced Water
- Water Disposal
- Produced Water
- Gas Production
- Oil Production
- Oil Sands
- Oil Sands
- Gas Wells
- Upstream Natural Gas Industry
- Midstream Natural Gas Industry
- NGL
- LPG

Links:
- Crude Oil System
- Natural Gas System
- Control Technologies
- Project Summary
- Glossary
Oil and Gas Industry

Oil & Gas Industry Overview

Flow Diagram of Oil & Gas Industry

Glossary
Control Technologies
Projects
Industry Description
Drill Through the Flow Sheets - Glossary

**Gas Well**

Any well which produces natural gas not associated or blended with crude petroleum oil at the time of production, or produces more than 100,000 cubic feet of natural gas for each barrel of crude petroleum oil from the same producing horizon.
Drill Through the Flow Sheets – Control Technologies
Drill Through the Flow Sheets – Project Summary Download
Drill Through the Flow Sheets – Project Summary Upload
Drill Through the Flow Sheets – Industry Descriptions

Industry Description

Natural Gas Production and Processing

The aim of natural gas production and processing activities is to produce a saleable natural gas product that meets the applicable gas transmission and distribution specifications. Typical sales specifications require that the natural gas be supplied at a specific pressure (usually, in the order of 8000 kPa) and satisfy gas quality requirements with respect to hydrocarbon dew point, water dew point, sulphur content, and heating value. The purpose is to ensure a clean, non-corrosive, non-toxic, natural gas mixture of predominantly methane that will not freeze or begin to condense at transport or final receipt conditions.

... Read More...
Mine for Information Using the Left Side Bar

- Oil and Gas Industry
- Control Technologies
- Project Summary
- Glossary
- Related Links
Oil and Gas Industry Overview
Flow Sheets
Control Technologies

Compressors Control Technologies

- Replace Ignition - Reduce False Starts
- Automate Systems Operation to Reduce Venting
- Replacing Wet Seals with Dry Seals in Centrifugal Compressors
- Install Electric Starters
- Replacing Wet Seals with Dry Seals in Centrifugal Compressors
- Replacing Wet Seals with Dry Seals in Centrifugal Compressors
Project Summary Download

Download Projects

- Methane Reductions Project Number One
- Emissions Reduction Project Number Two
- Methane Emissions Reduction Three
Project Summary Upload
Glossary

Select Glossary categories from main menu, or use following links:

- Environmental Terminology
- Equipment Terminology
- Gas Distribution
- Gas Production And Processing
- Gas Transmission And Storage
- Oil And Gas Terminology
- Oil Production
- Oil Sands / Shale Oil Mining And Extraction
- Oil Transport System
- Oil Upgrading And Refining
- Production Accounting Terminology
- Refined Products Distribution
- Wells
Glossary

Gas Distribution

Terminology relating the gas distribution facilities and activities.

Click Gas Distribution in main menu to show or hide all terms, or use following link:

Hide all Gas Distribution terms
Glossary

Commercial Meter Set

Customer metering facilities for gas sales to a commercial customer. They include both pressure regulation and measurement. The regulator reduces the pressure from distribution pressure to 1.7 kPag (0.25 psig) or often a higher pressure, typically not in excess of 140 kPag (20 psig).
Related Links

International Association of Oil & Gas Producers (OGP)

The International Association of Oil & Gas producers (OGP) encompasses most of the world’s leading publicly-traded, private and state-owned oil & gas companies, oil & gas associations and major upstream service companies. OGP members produce more than half the world’s oil and about one third of its gas.

Visit Web Site

International Energy Agency (IEA)

The International Energy Agency (IEA) acts as energy policy advisor to 27 Member countries in their effort to ensure reliable, affordable and clean energy for their citizens. Founded during the oil crisis of 1973-74, the IEA’s initial role was to co-ordinate measures in times of oil supply emergencies. As energy markets have changed, so has the IEA...
Reap the benefits of working ON TIME

- Find technologies and practices that reduce methane emissions at points along oil and natural gas systems
- Show how aspects of the oil and natural gas industry interrelate
- ON TIME is an interactive training tool for methane emission reduction technologies and practices
- Content rich tool full of useful resources such as best practices, guidance documents, and complete glossary
- For the first time users can share up-to-date project information in real time to advance projects and learning
Everyone should be ON TIME

- EH&S Professionals
- Project Engineers
- Project Hosts, Developers, Financiers, Emissions Brokers
- Policymakers
EH&S Professionals

- Become an expert in identifying revenue-generating methane emission reduction technologies and practices
- Take advantage of the tool’s related links to industry information and link the tool to your intranet site for easy reference
- Work collaboratively with other divisions to identify potential new revenue streams through methane emission reduction project opportunities
Project Engineers

- Discover best practices, guidance documents, and technologies to reduce methane emissions by drilling through detailed diagrams of the supply chain
- Coming soon—upload information about your project to engage project developers, emissions brokers, financiers, and technology providers
Project Hosts, Developers, Financiers & Brokers

- Work directly with project decision makers to determine overall opportunity viability. Pending the outcome, work collaboratively with others toward implementing methane emission reduction projects.
- It’s easy—you choose where to focus: at the well head, along pipelines, at compressor stations, in gas distribution networks or anywhere in between.
Policymakers

- Explore and understand all facets of the oil and natural gas industry and how their associated processes interrelate
- Take advantage of the extensive glossary of industry terminology and the oil and natural gas industry overview to advance learning
- Find out about methane emission reduction projects, technologies and best practices and tomorrow’s opportunities
Where is ON TIME?

- Natural Gas STAR
  - www.epa.gov/gasstar/tools
- Methane to Markets
  - www.ontime.methanetomarkets.org
- Link it to your intranet for easy access
- Available for internal hosting by companies
ON TIME

- Questions?
- Feedback? Please!
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- Thank you for your time