Methane to Markets

ON TIME-A New Tool for Methane Emission Reductions Michael Layer San Antonio, Texas November 12, 2008



What is ON TIME?

- ON TIME = Online Tool to Identify Methane Emission Reduction Opportunities
- A new online gateway to proven and costeffective 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





Oil and Gas Industry





Drill Through the Flow Sheets -Glossary



- Oil & Gas Industry
- ▸ Crude Oil System
- Natural Gas System
- Control Technologies
- Project Summary
- ▼ Glossary
- 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





Drill Through the Flow Sheets – Control Technologies





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Drill Through the Flow Sheets – Industry Descriptions

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Natural Gas Production and Processing



predominantly methane that will not freeze or begin to condense at transport or final receipt conditions.

The aim of natural gas production and processing activities is to produce a saleable natural gas product that meets the applicable distribution das transmission and 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 guality 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 mixture das of





project.



Mine for Information Using the Left Side Bar

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Oil and Gas Industry Overview





Flow Sheets





Flow Sheets





Control Technologies

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Glossary

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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

project

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Glossary

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Commercial Meter Set

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- District Regulating Stations
- Gas Distribution
 Gas Distribution
- Gas Market
- Gate Station

Commercial Meter Set

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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).

Next Term »

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Related Links





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 revenuegenerating 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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 - Roger Fernandez
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- Thank you for your time