

COMMITTEE AGENDA

Committee on Criteria for Installing Automatic and Remote-Controlled Shutoff Valves on Existing Gas and Hazardous Liquid Transmission Pipelines

Information-Gathering Meeting

October 27-28, 2022

DAY 1

500 Fifth Street NW, Washington, DC

Keck Building, Room 103

October 27, 2022 9:15 am – 5:00 pm ET

Zoom Link

PHMSA: Integrity Management Programs 9:15 am – 9:45 am
Mary McDaniel – Sr. Technical Advisor, Engineering & Research Division

ExxonMobil 9:45 am – 10:15 am
Matthew Young – Senior Pipeline Integrity Advisor and EMPCo IMP Owner

(Break)

RPS Group: Terrestrial Modeling 10:30 am – 11:30 am
Jeremy Fontenault – Director of Geospatial Services

RPS Group: Liquid Dispersion Modeling 11:30 am – 12:00 pm
Dr. Deborah French-McCay – Director, Research and Model Development

Lunch 12:00 pm – 1:00 pm

National Transportation Safety Board 1:00 pm – 1:45 pm
Sara Lyons – Pipeline Investigator, Investigator-in-Charge

MJ Stephens Consulting 1:45 pm – 2:15 pm
Mark Stephens – Engineering Consultant; Former Senior Engineering Consultant & Chief Engineer at C-FER Technologies

PHMSA: Potential Impact Radius 2:15 pm – 2:45 pm
Steve Nanney – Sr. Technical Advisor, Engineering & Research Division

(Break)

CAL FIRE 3:00 pm – 4:00 pm
Jim Hosler – Assistant Deputy Director; Chief of Pipeline Safety and CUPA Programs

Duke Energy 4:00 pm – 4:30 pm
Eddie Boone – Principal Engineer, Natural Gas Business Unit

Xcel Energy 4:30 pm – 5:00 pm
Suzanne King – Principal Engineer, HP Operations
Michael O’Shea – Manager, Gas Transmission Engineering

Adjourn 5:00 pm

DAY 2

500 Fifth Street NW, Washington, DC
Keck Building, Room 103
October 28, 2022 9:00 am – 10:00 am ET
Zoom Link

Dr. Baruch Fischhoff, Carnegie Mellon University 9:00 am – 10:00 am
Howard Heinz University Professor in the Department of Engineering & Public Policy
and Institute for Politics and Strategy

Adjourn 10:00 am

Criteria for Installing Automatic and Remote-Controlled Shutoff Valves on Existing Gas and Hazardous Liquid Transmission Pipelines

STATEMENT OF TASK

The committee will study current and potential methodologies and standards, including regulatory criteria, for deciding when an automatic shutoff valve (ASV), remote-controlled valve (RCV), or other equivalent Emergency Flow Restricting Device (EFRD) should be installed on existing gas transmission pipelines and on existing hazardous liquid pipelines in high-consequence areas, as defined in federal regulation.

The study will examine current federal regulatory requirements governing decisions about where and when to install these devices on existing pipelines, including regulatory criteria on factors to be considered and methodologies to be used for making such decisions. Consideration will be given to the treatment of public safety and environmental risks by these methodologies and the treatment of economic, technical, and operational feasibility. The study will identify and assess other potential methodologies for making such installation decisions on existing pipelines. In doing so, the committee will consider ASV, RCV, and EFRD technological capabilities; statutory and procedural limits on federal regulatory authority to require their use; relevant recommendations by the National Transportation Safety Board; and current and proposed regulatory criteria for the installation of ASVs, RCVs, and EFRDs on newly constructed and fully replaced pipelines. The study will take into account issues associated with reliance on manual control valves [i.e., manually operated valves and/or locally controlled motor operated valves], including human factors and accessibility concerns. As appropriate, recommendations will be made regarding regulatory or statutory changes that might be considered at the federal and state levels.