

Natural Gas Incidents

NGPSA Reauthorization

Proposed Legislation

San Bruno Incident
and Pipeline Safety

Accident Specifics

- ❑ **30” segmented bend made up of 6 pipe segments of different lengths.**
- ❑ **Built in 1956.**
- ❑ **Operating 385 psi, about 33% SMYS.**
- ❑ **SCADA failure increased pressure when regulator opened but below MAOP.**



Specifics

- ❑ **Ruptured girth weld and longitudinal failure.**
- ❑ **Crater 72 feet by 26 feet.**
- ❑ **28 feet of pipe ejected from ground 100 feet.**

- ❑ **8 fatalities, multiple injuries.**
- ❑ **37 houses destroyed, 18 damaged.**
- ❑ **1.5 hours to isolate gas flow.**



N

361 ft

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Lautenberg-Rockefeller Bill

- ❑ Major consequence violation is liable for a civil penalty of not more than \$250,000 for each violation. A separate violation occurs for each day the violation continues. The maximum civil penalty under this paragraph for a related series of major consequence violations is \$2,500,000.
- ❑ “ability to pay” stricken from current law.

State One Call Programs Grant Qualifications

- *Appropriate participation* by all underground facility operators, including all government operators;
- *Appropriate participation* by all excavators, including all government and contract excavators; and
- Flexible and effective enforcement under State law with respect to participation in and use of, one-call notification systems.
- State onecall may not exempt municipalities, State agencies, or their contractors from its one-call notification system requirements.



Transmission remote valves

- require the use of automatic or remote-controlled shut-off valves, or equivalent technology, where economically and technically feasible on new construction.



Excess Flow Valves

- require the use of excess flow valves, where economically and technically feasible, on new or entirely replaced branch services, multi-family facilities, and small commercial facilities.

Transmission IMP

- Evaluate whether integrity management system requirements should be expanded beyond high consequence areas.
- Whether applying the IMP requirements to additional areas would mitigate the need for class location requirements.
 - **All of Class 3-4 = HCA??**



Data reporting available to Public

- Maintain a *monthly updated* summary of:
 - all gas and hazardous liquid pipeline inspections that includes—
 - identification of the operator inspected; the type of inspection; the results of the inspection, including any deficiencies identified; and
 - any corrective actions required to be taken by the operator to remediate such deficiencies;

- Maintain a comprehensive list and individual copy of each operator's facility response plan...

- Maintain a map of all currently designated high consequence areas and update the map annually.

- Maintain a current copy of any industry developed or professional organization pipeline safety standards to the public, to the extent consistent with fair use.



Comptroller General Study

- The Comptroller General shall conduct a comprehensive analysis of the safety risks from which Pipeline Safety Code does not apply:
- Including gathering lines and low-stress gas transmission lines.



Incident Reporting

- Prescribe regulations that establish time limits for accident and incident telephonic notification and
- Review procedures for pipeline operators and the National Response Center to provide coordinated notification to all relevant emergency response officials.



Gathering Line Exemptions

- Review of all exemptions for gas and hazardous liquid gathering lines.
- Based on this review submit a report containing the Secretary's recommendations with respect to the modification or revocation of existing exemptions.

Other Bills: Spier

- Jackie Spier (CA)
 - Notice to property owners and residents.
 - Sec. 4. Facility operation information standards.
 - Sec. 5. Required periodic inspection of pipelines by instrumented internal inspection devices.
 - Sec. 6. Automatic or remote shut off valves.
 - Sec. 7. Availability of industry standards and procedures adopted in regulations by reference.
 - Sec. 8. Leak detection.
 - Sec. 9. Considerations for identification of high consequence areas.
 - Sec. 10. Public education programs.



Boxer-Feinstein Bill

- Sec. 4. Civil penalties.
- Sec. 5. Collection of data on transportation-related oil flow lines.
- Sec. 6. Required installation and use in pipelines of remotely or automatically controlled valves.
- Sec. 7. Standards for natural gas pipeline leak detection.
- Sec. 8. Considerations for identification of high consequence areas.
- Sec. 9. Regulation by Secretary of Transportation of gas and hazardous liquid gathering lines.
- Sec. 11. Required periodic inspection of pipelines by instrumented internal inspection devices.
- Sec. 13. Cost recovery for pipeline design reviews by Secretary of Transportation.
- Sec. 15. Waivers of pipeline standards by Secretary of Transportation.
- Sec. 16. Collection of data on pipeline infrastructure for National Pipeline Mapping System.
- Sec. 18. Clarification of provisions of law relating to pipeline safety.



PHMSA Proposal

- Sec. 2. Civil Penalties.
- Sec. 3. Additional Resources.
- Sec. 4. Pipeline Infrastructure Data Collection.
- Sec. 5. International Cooperation and Consultation.
- Sec. 6. Gas and Hazardous Liquid Gathering Lines.
- Sec. 9. Cost Recovery for Design Reviews.
- Sec. 10. Special Permits.