

DOCKETED

Docket Number:	17-MISC-02
Project Title:	Potential Areas of Natural Gas Research and Development for the Proposed Program Plan and Funding Request for 2017/18
TN #:	220082
Document Title:	Presentation - DOGGR Activity Update Draft Regulations for Gas Pipelines in Sensitive Areas
Description:	By Mark Steinhilber of DOGGR of the California Department of Conservation
Filer:	Gina Fontanilla
Organization:	California Department of Conservation
Submitter Role:	Public Agency
Submission Date:	7/7/2017 12:07:41 PM
Docketed Date:	7/7/2017

DOGGR Activity Update / Draft Regulations for Gas Pipelines in Sensitive Areas

Mark Steinhilber, Pipeline and Facilities Program Manager

Division of Oil, Gas, and Geothermal Resources (DOGGR)



The Department's Divisions

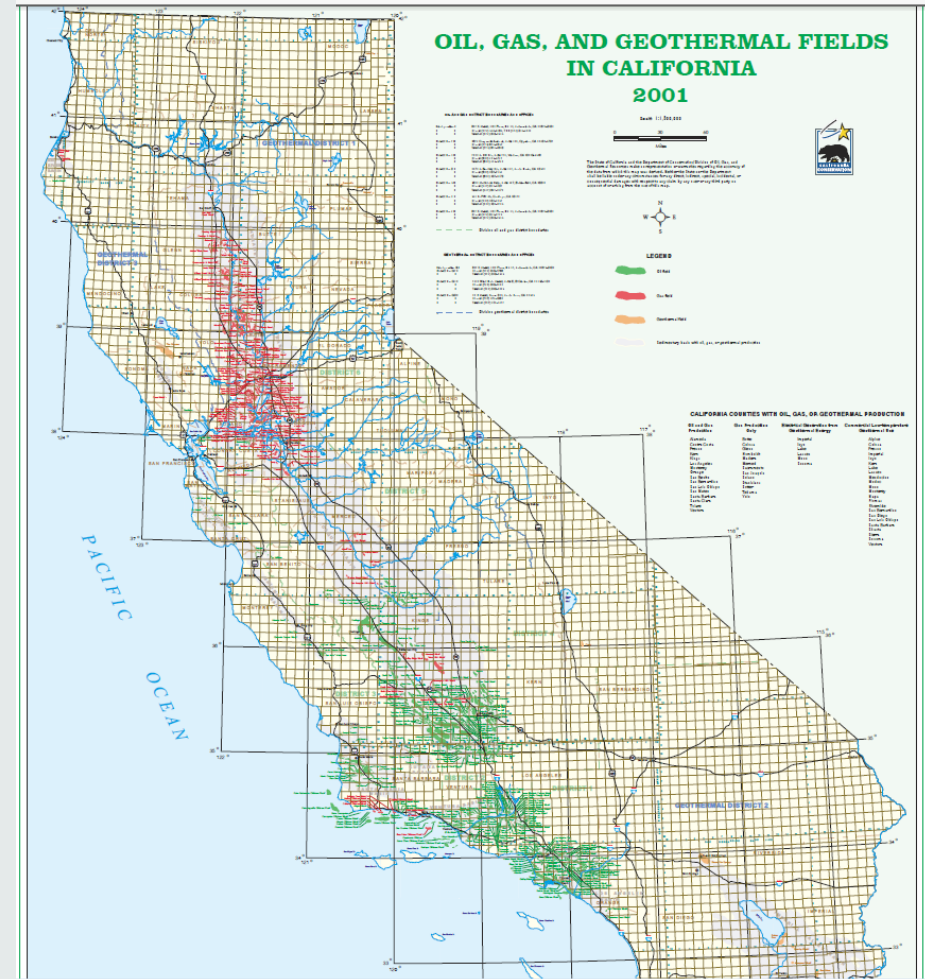


DOGGR regulates:

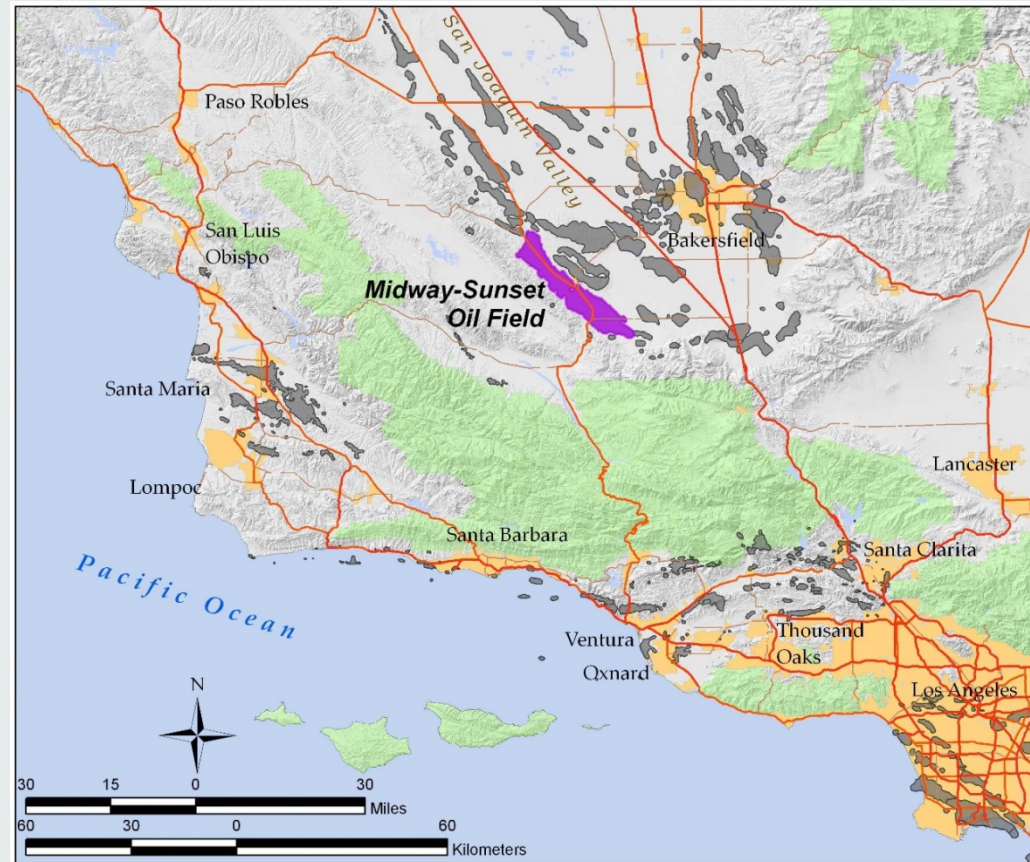
Oil Fields

Gas Fields

Geothermal Fields



Oil Fields are Onshore and Offshore



Regulated Oil, Gas, and Geothermal Production Areas

Northern CA Gas



Geysers Geothermal



Santa Barbara Operations



Long Beach Unit



Huntington Beach Operations



Onshore Oil & Gas Production



- Generally Unpopulated

Onshore Oil & Gas Production



- Urban sites
- Environmentally Sensitive Sites

Salton Sea Geothermal



DOGGR Jurisdiction

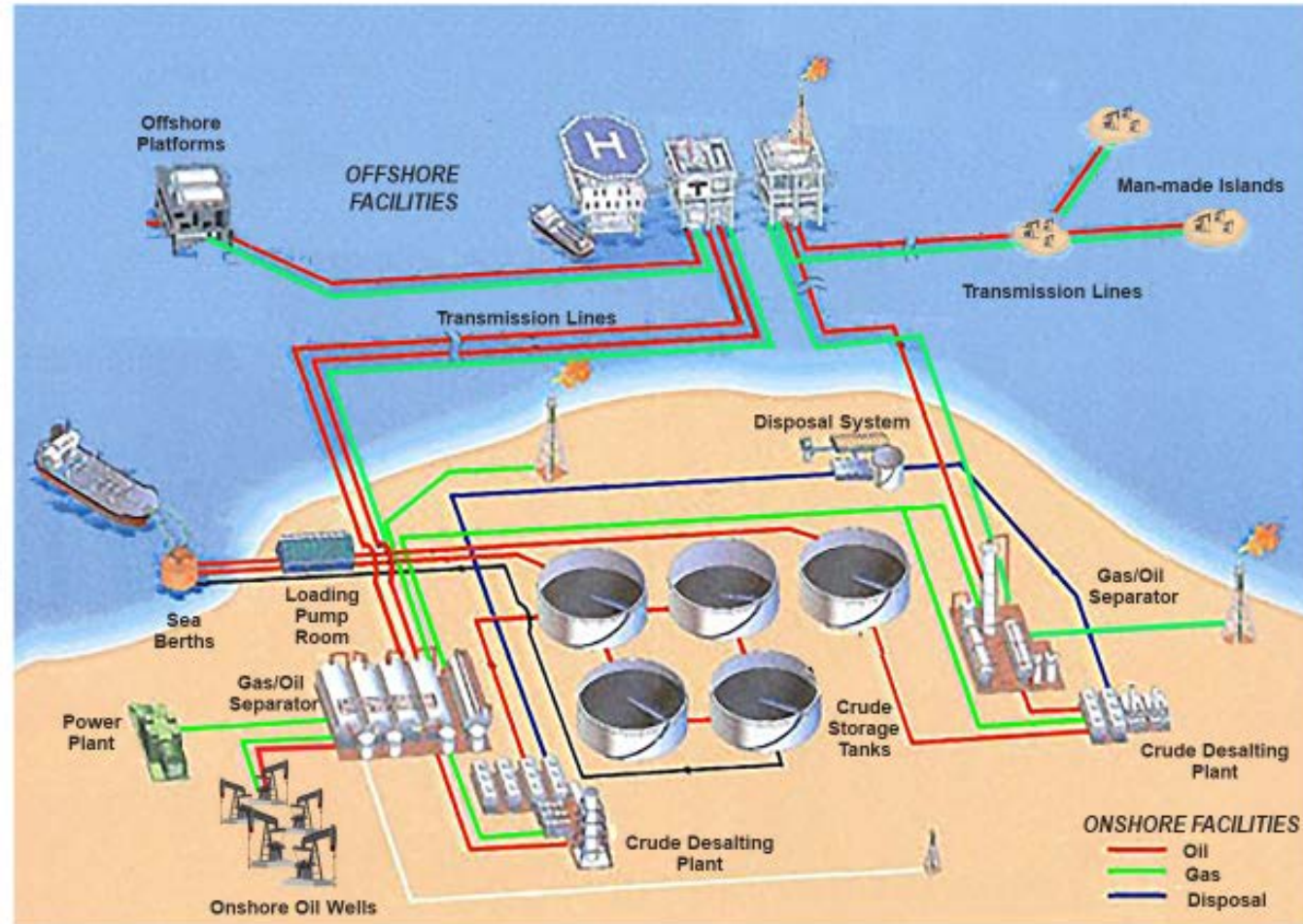
- Subsurface Reservoir and Wells
- Pumping Units
- Production lines to production equipment
- Production facilities
- Lease and Custody Transfer (LACT) Sales Meter
- Produced Oil, Gas, and Water



- Often piping in unpopulated areas is aboveground and relatively easy to inspect.

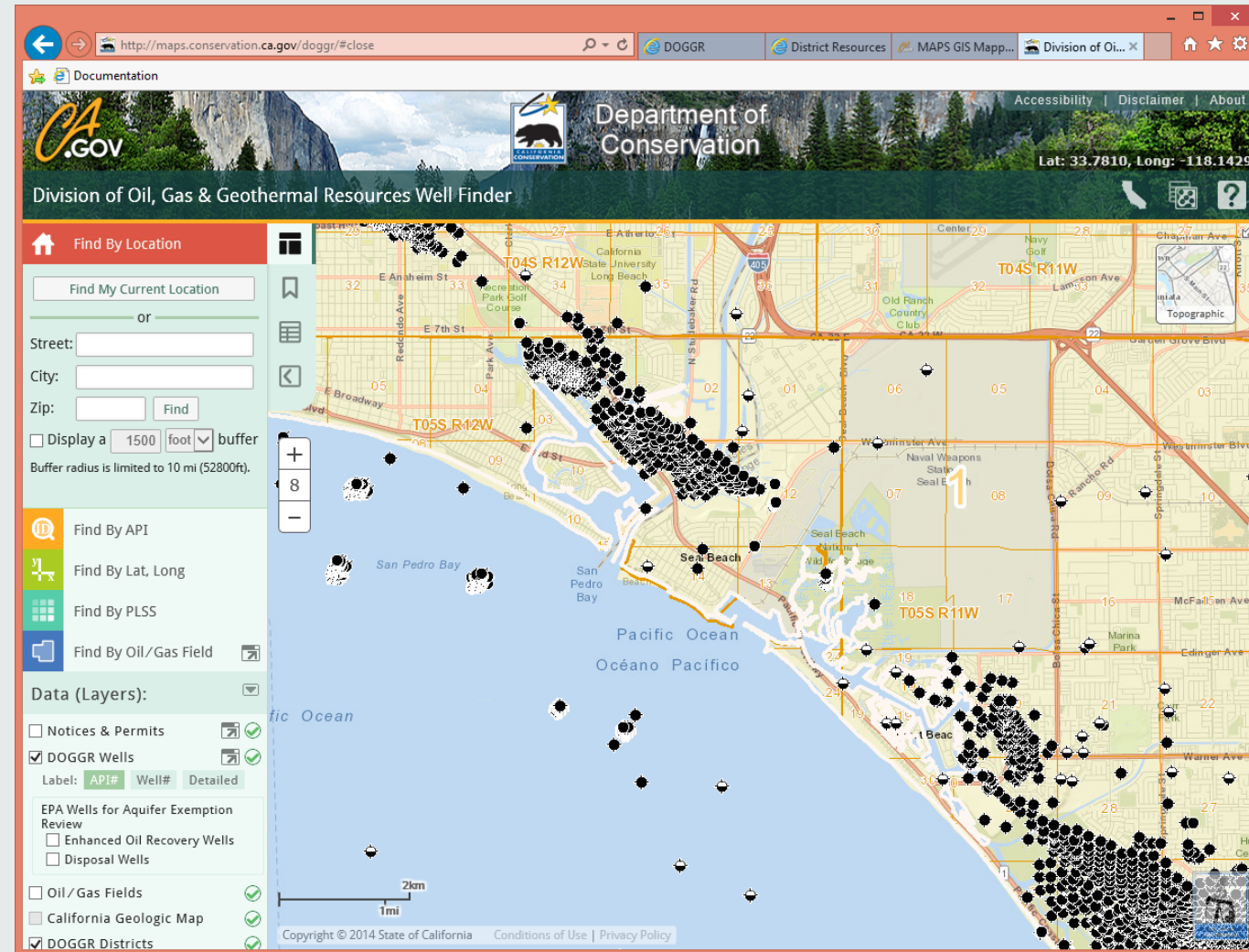


California Oil and Gas Production Facilities



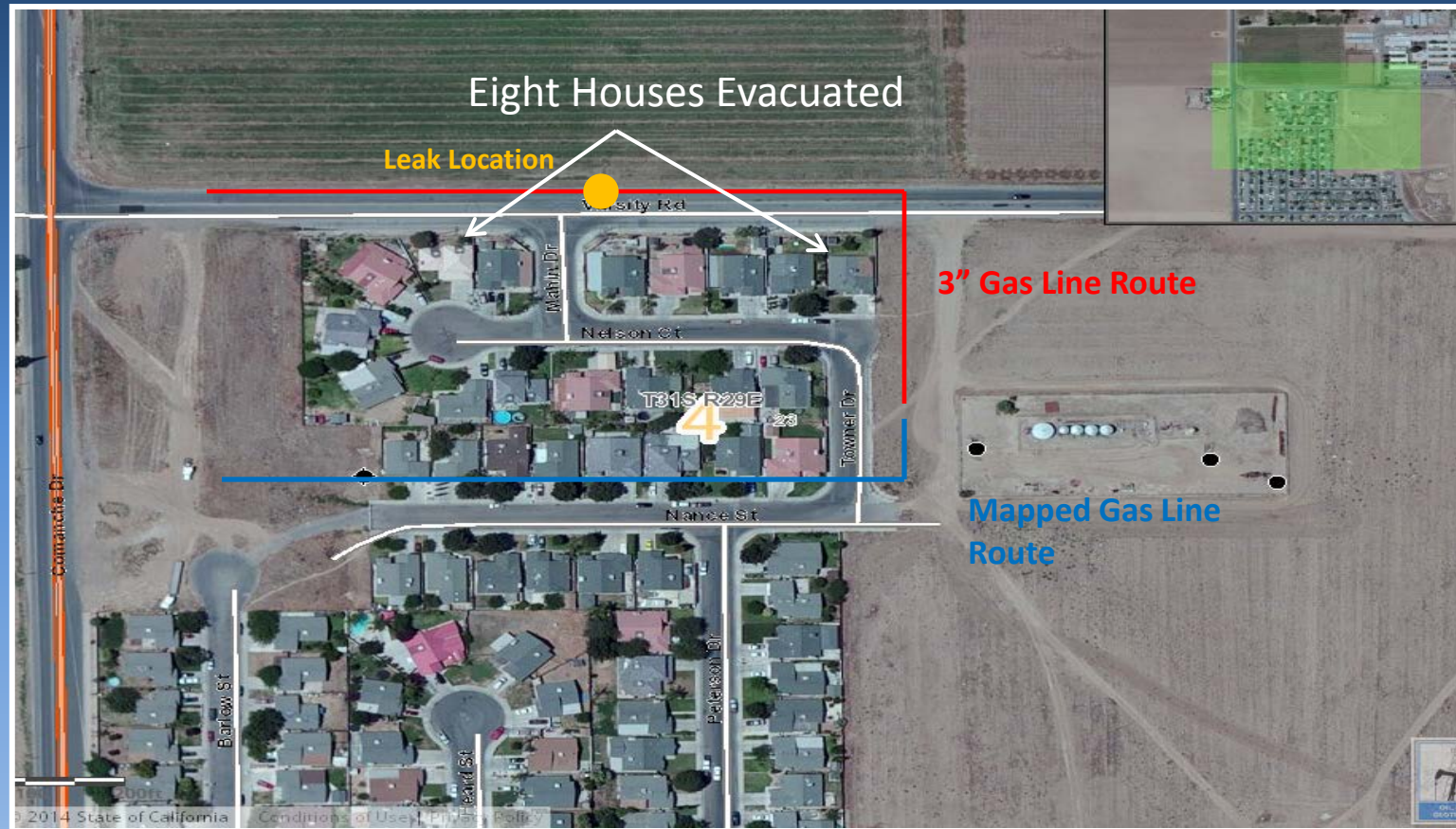
Many O&G Operations Located in Urban and Environmentally Sensitive Locations:

Well Finder



<http://www.conservation.ca.gov/dog/Pages/WellFinder.aspx>

AB1420 Triggering Event



Arvin gas pipeline identifies risks posed to human occupancy locations

Recent legislation authorizes DOGGR draft regulations for gas pipelines in sensitive areas. AB 1420 (Salas, Chapter 601, Statutes of 2015).

Gas Pipelines in Sensitive Areas Pose Risks to the Public or the Environment

- In AB 1420 “**Sensitive area**” means any of the following:
 - (1) An area containing a building intended for human occupancy, such as a **residence, school, hospital, or business that is located within 300 feet of an active gas pipeline** and that is not necessary to the operation of the pipeline.
 - (2) An area determined by the supervisor to present **significant potential threat to life, health, property, or natural resources in the event of a leak** from an active gas pipeline.
 - (3) An area determined by the Supervisor to have an active gas pipeline that has a **history of chronic leaks**.



AB 1420 Summary of Proposed Regulation Changes

- **Annual Leak Inspection** for all active gas pipelines
- **Biennial Mechanical Integrity Testing (MIT)** for all active gas pipelines >10 years old and located in Sensitive Areas
- **Pipeline Management Plans** updated within a year including info on:
 - **Mechanical Integrity Testing (MIT)** for gas pipelines in Sensitive Areas
 - **Preventive Maintenance (PM) for appurtenances, instrumentation and equipment** installed to ensure safe operations
 - **List and Maps** of all pipelines that pass through Urban, Environmentally Sensitive, and Sensitive Areas
 - Characteristics of product in pipeline (**hazardous, toxic, corrosive**)



Summary of Proposed Regulation Changes from AB1420 (Cont.)

- GIS Mapping for **All Active Gas Pipelines in Sensitive Areas**:
 - Phase 1 by **1/31/2018**: Locate **+/- 10 Feet** of Actual Routing
 - Phase 2 by **1/31/2020**: Locate **+/- 3 Feet** of Actual Routing
- GIS Mapping for **All Other Active Gas Pipelines** by **1/31/2021**: Locate **+/- 10 Feet** of Actual Routing



AB 1420 Regulation Public Comment

- **Two sets of pre-rulemaking discussion drafts:**
 1. Testing, Inspection and Pipeline Management Plans (14CCR§1760, 1774 - 1774.2)
 2. Pipeline Mapping and Data Submission (14CCR§1774.3)
- **Public Comment Period:**

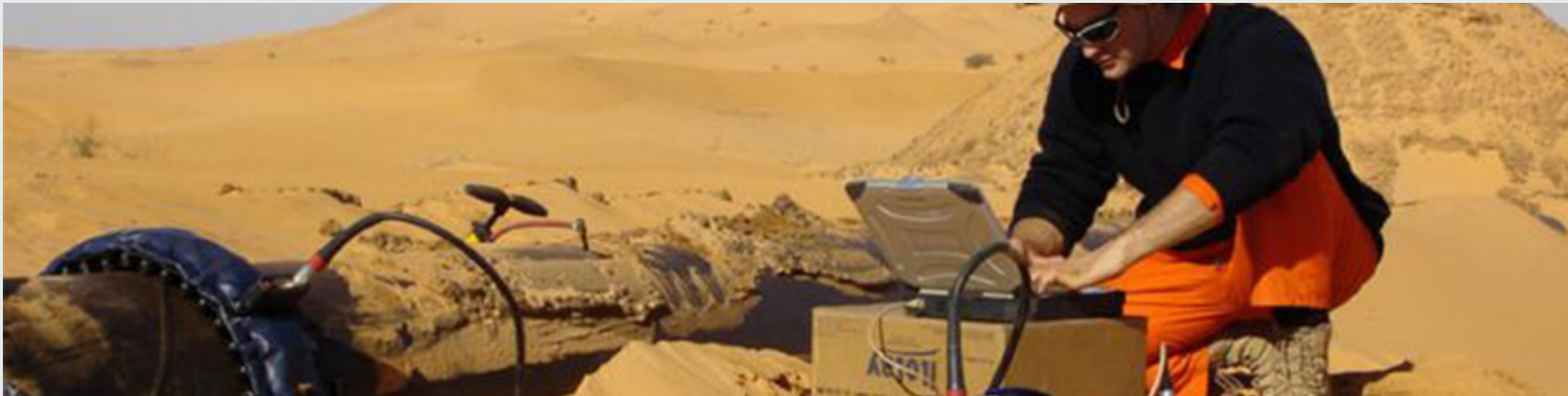
June 14, 2017 to July 21, 2017.
Department of Conservation accepting comments
- **Public workshop:**

July 13, 2017
1:00 p.m. – 5:00 p.m.
Four Points Sheraton
5101 California Avenue
Bakersfield, CA 93309



Interests in Developing Safety and Integrity Technologies for Gas Pipelines

- Active and Passive Leak Detection Options for Buried Pipelines
- New and/or Improved MIT Technologies
- Strategies to Use Combined MIT Methods
- Improved Condition Assessment Techniques and Remaining Life Estimation Methods



Thank You!



California Department of Conservation

Mark Steinhilber

Pipeline and Facilities Program manager

Mark.Steinhilber@conservation.ca.gov