



Our Commitment to Pipeline System Safety

A special presentation to the City of Carpinteria

Our Topics

- 1 Overview of our pipeline system
- 2 Proactive measures to maintain our system
- 3 Ongoing communications about safety
- 4 Information about transmission lines near the city
- 5 Our filing at the CPUC to further enhance safety
- 6 Respond to questions



Southern
California
Gas Company



A Semptra Energy unit

Safety

A TOP PRIORITY

The safety of our customers,
employees and the communities
we serve is a top priority



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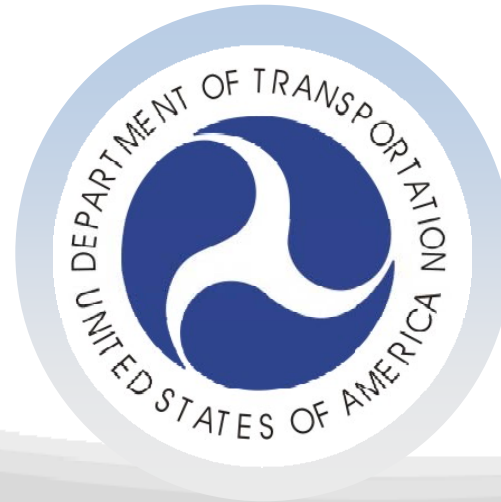


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Maintaining System Safety

The Gas Company is responsible for safely operating and maintaining pipelines

We meet or exceed the state and federal pipeline safety regulations of:



System Overview

4,000

Miles of Transmission Lines

Transport gas from out of state to population centers

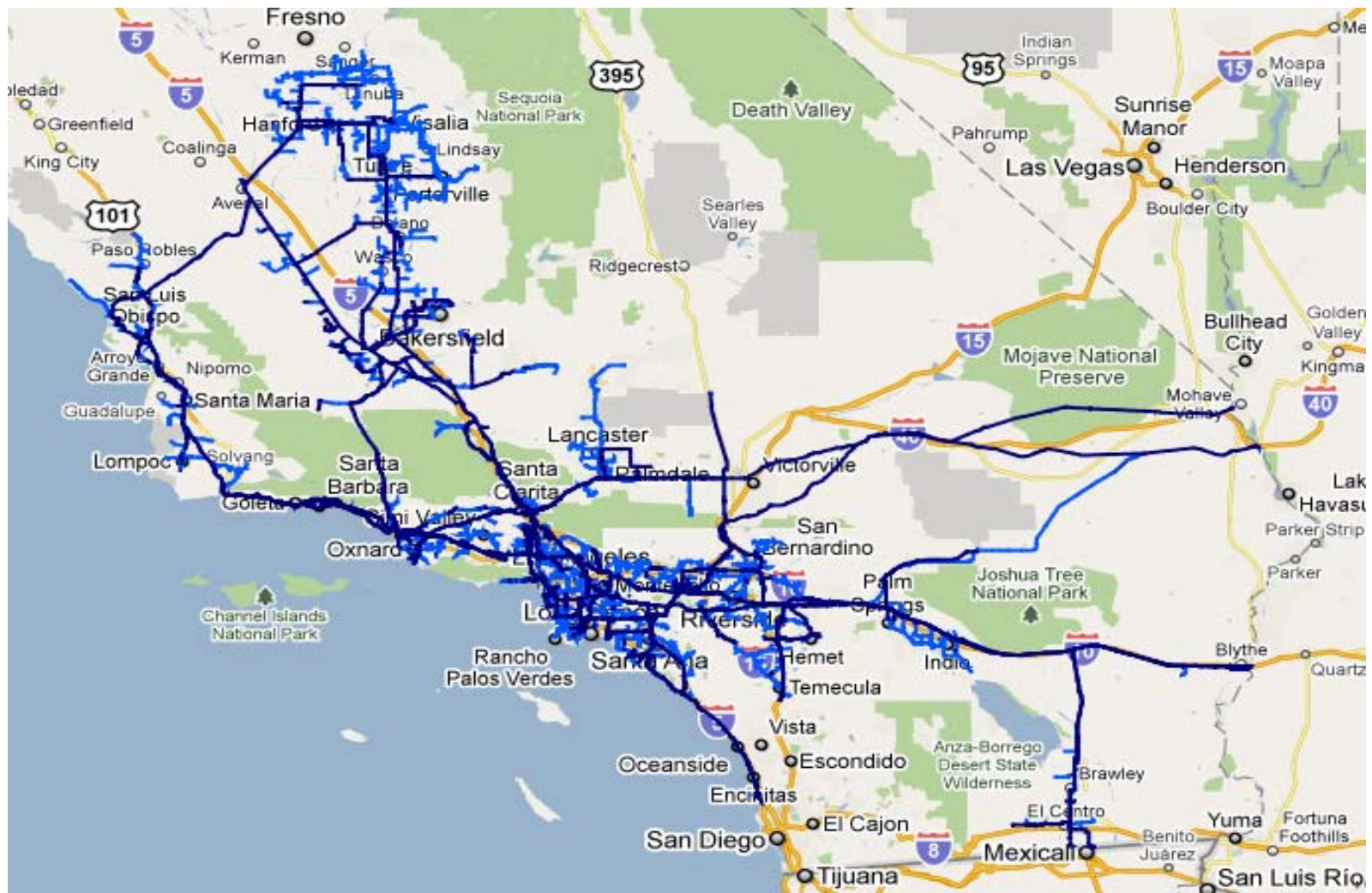
47,000

Miles of Distribution Lines

Deliver gas to homes and businesses

**We safely operate and maintain
approximately 51,000 miles of pipelines**

System Map



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Pipeline Safety Practices

Following practices are used depending on pipeline specifics

1

**Monitor pressure
and flow**

2

**Conduct leakage
surveys at least
annually**

3

**Patrol transmission
pipelines**

4

**Inspect lines for
corrosion**

5

**Cathodically
protected
transmission lines
have protective
coating**

6

**Corrosion
monitoring probes
inside lines**

Pipeline Integrity Program

Assess transmission system in high population density areas:

Internal inspection

Direct inspection

Pressure testing

Repair or replace, as needed

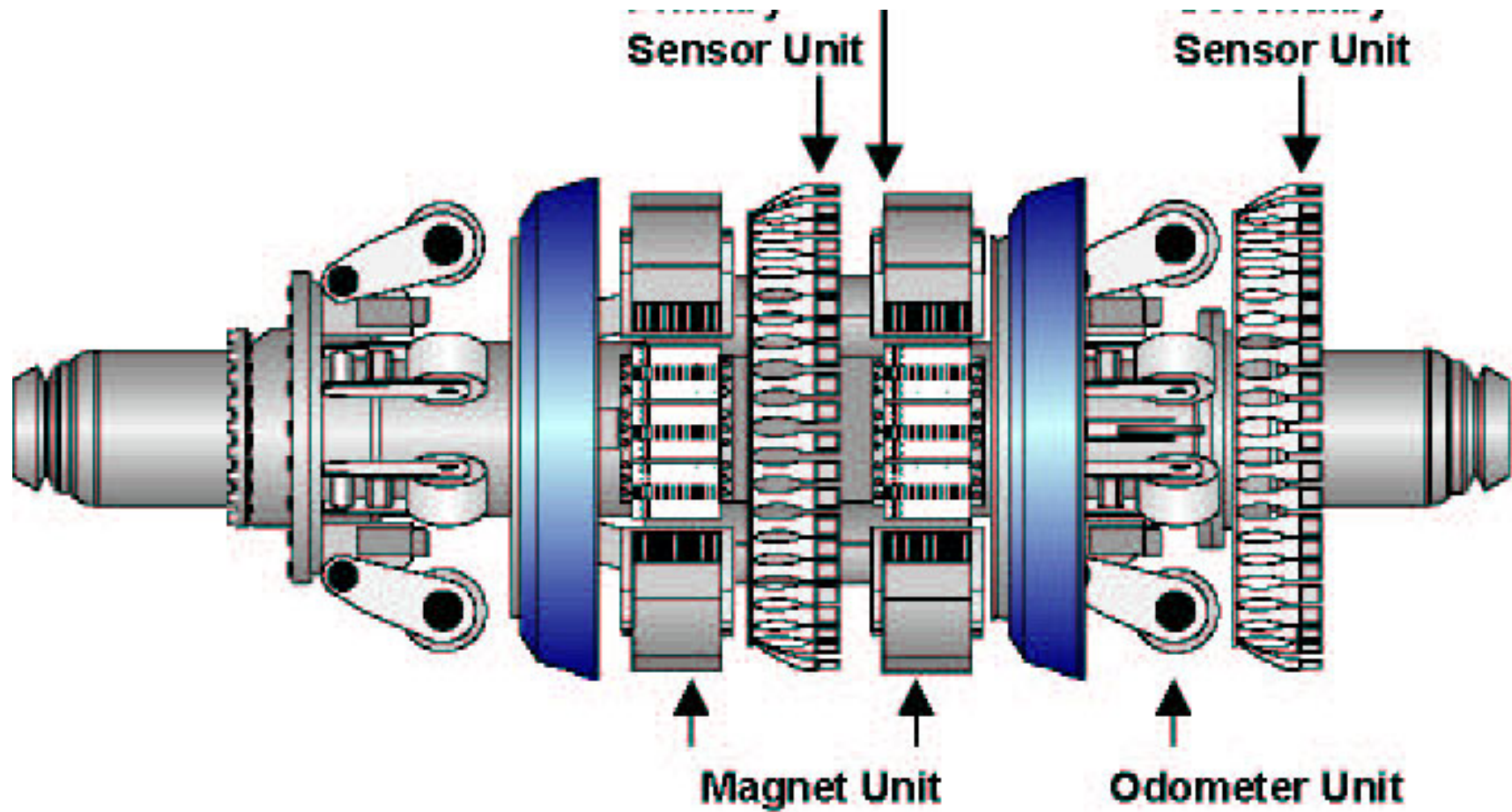


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Smart Pig



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Smart Pig Inside a Pipe



ECDA Method

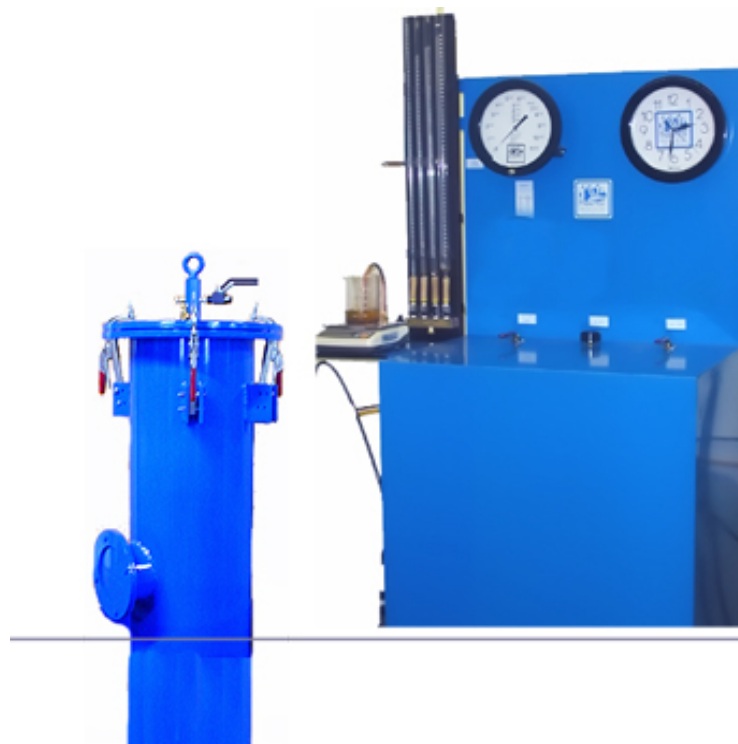


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Hydro Testing Equipment



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Responding to Incidents

The Gas Company is ready to respond to incidents 24 hours a day, seven days a week



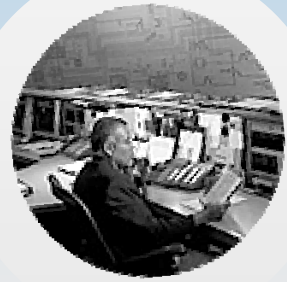
Call center



Highly-trained
technicians



Dispatch



Emergency
operations centers

Safety Communications

Bill inserts,
inserts, and
newsletters

News releases

Dedicated
safety web
pages

Multilingual
advertising

Social Media

Direct mail

E-mail

Meetings

One-on-one
briefings



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Additional Measures

Sending information to customers located within one-eighth of a mile from our transmission pipelines.

Accelerated leak surveys occurring bi-monthly basis.

Providing enhanced DOT National Pipeline Mapping System maps for customers on socalgas.com.

Briefing cities and emergency responders. Providing maps to requesting city officials and governmental agencies.



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Help Keep Our System Safe

- » Most damage to our pipelines is caused by contractor and home owner digging
- » Take note of pipeline markers that indicate the location of major pipelines
- » Always call 811 at least two business days before you dig

- » IF A GAS LEAK IS SUSPECTED...

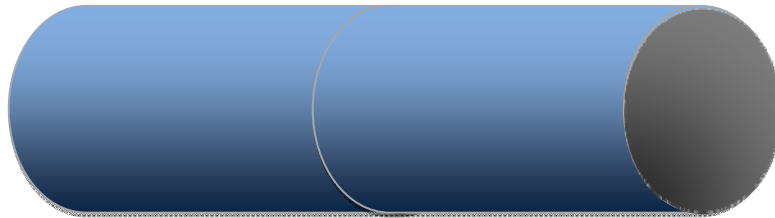
*Immediately evacuate...
Find a safe location and
call SoCalGas at*

800-427-2200

24 hours a day, seven days a week
Or
Call 911

Different Pipelines for Delivery

Storage



Transmission pipeline

Diameter

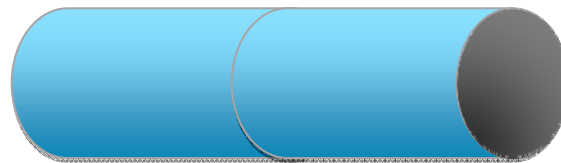
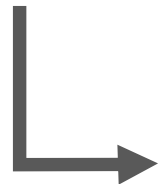
8-36

Inches

Pressure

200-1000

PSI



Distribution main

Diameter

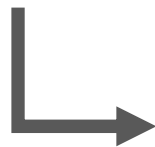
2-20

Inches

Pressure

20-200

PSI



Service line

Diameter

1/2-2

Inches

Pressure

20-60

PSI



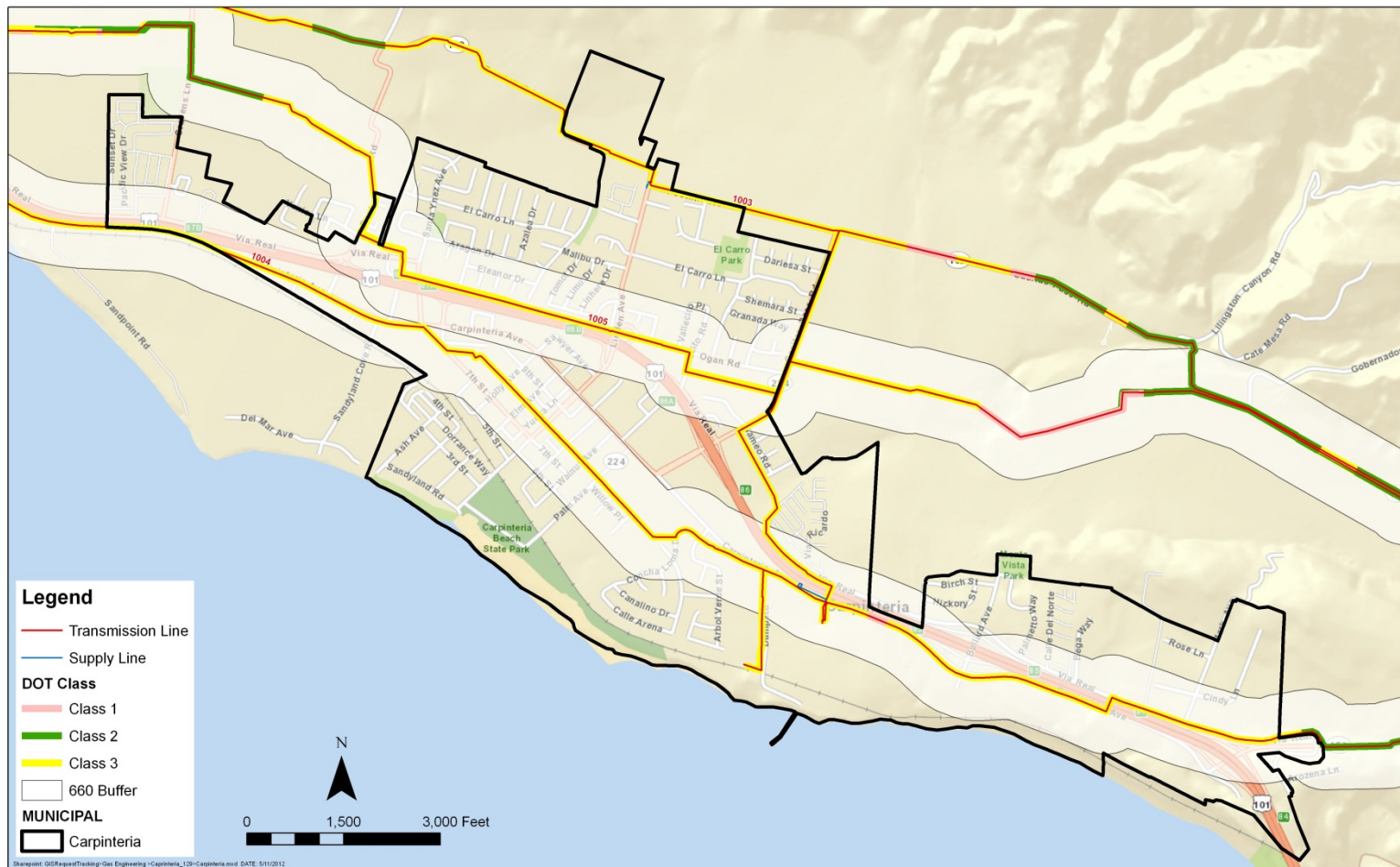
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Transmission Pipelines: What About Carpinteria?



Pipeline Safety is our *Top PRIORITY*

- » We demonstrate pipeline integrity
 - data collection
 - audits
- » Regulatory proceedings



Pipeline Safety Enhancement Plan: *Key Elements*

1

Test and replace
transmission
pipelines that do
not have sufficient
documentation

2

Retrofit, replace
existing valves...

Add new valves
with automatic or
remote control
features for
quicker response
to incidents

3

Install technology
for near real-time
monitoring of
events and
conditions along
the pipeline



- » PSEP covers our 4,000 miles of transmission pipeline
- » Implemented in two phases:
 - Phase 1 (2012–2021) focus on populated areas
 - Phase 2 (2016–TBD) focus on non-populated areas

Phase 2: Non-Populated Areas



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Timing for Carpinteria Lines

Work will be done sometime between 2012 and 2015!

We will work with the city to build in some scheduling flexibility

We will coordinate closely with the affected agencies to minimize disruptions to the City and its citizens

We apologize in advance for some inconveniences you will undoubtedly endure – but not for the increased safety you will gain



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Glad to be of service.®



Thank you
Questions?