



SACHI A. HAMAI  
Chief Executive Officer

# County of Los Angeles CHIEF EXECUTIVE OFFICE

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December 27, 2017

To: Supervisor Sheila Kuehl, Chair  
Supervisor Hilda L. Solis  
Supervisor Mark Ridley-Thomas  
Supervisor Janice Hahn  
Supervisor Kathryn Barger

From: Sachi A. Hamai  
Chief Executive Officer

Board of Supervisors  
HILDA L. SOLIS  
First District

MARK RIDLEY-THOMAS  
Second District

SHEILA KUEHL  
Third District

JANICE HAHN  
Fourth District

KATHRYN BARGER  
Fifth District

## **REPORT ON INSPECTION AND TESTING OF PIPELINES IN COUNTY HIGHWAYS THAT TRANSPORT HAZARDOUS LIQUID AND GASEOUS SUBSTANCES (ITEM NO. 17, AGENDA OF OCTOBER 3, 2017)**

On October 3, 2017, the Board authorized the Chief Executive Officer, the Director of Public Works, and County Counsel, to work with the County's existing Oil and Gas Strike Team to develop a plan to oversee the safety of pipelines carrying hazardous materials under the authority of franchises granted within public rights-of-way in the unincorporated areas of East Los Angeles, West Los Angeles, La Mirada, and Carson (1, 2, 3, and 4), and to ensure compliance with all applicable Federal and/or State regulations and report back to the Board within 90 days.

### **BACKGROUND**

There are presently 54 franchises (Attachment 1) which use the public right-of-way in the unincorporated areas of the County (not including franchises for cable television or telecommunications). Of the 54 franchises, 34 carry hazardous liquids or gases, and these are the subject of this report.

The following table summarizes the status of the pipelines maintained under these 34 franchises, and additional details are provided in Attachment 2.

District	Active Footage	Inactive Footage	District Total
First District	2,695,269	10,362	2,705,631
Second District	3,103,756	341,110	3,444,866
Third District	2,691,992	416	2,692,408
Fourth District	2,785,322	79,994	2,865,316
Fifth District	3,042,454	31,049	3,073,503
Total Footage	14,318,793	462,931	14,781,724

**PIPELINE SAFETY REGULATIONS**

In August 2016, the Federal Pipeline and Hazardous Materials Safety Administration (PHMSA) announced clarifications to regulations that no longer recognize an “idle” status for hazardous liquid or gas pipelines. Pipelines are considered to be either “active” and fully subject to all relevant safety regulations, or “abandoned.” PHMSA defines “abandoned” to mean any facilities left in place that are permanently removed from service, purged of all combustibles and sealed. The PHMSA regulations provide standards for the abandonment process for hazardous liquid and gas pipelines.

The California Senate passed Senate Bill 295 to amend California Government Code (effective February 9, 2017), to empower California Office of State Fire Marshal (State Fire Marshal) to require annual inspections of every hazardous liquid pipeline and operator under its jurisdiction in accordance with State Fire Marshal Inspection Procedures.

**OTHER REGULATIONS**

All operators of hazardous liquid or gas pipelines are subject to the PHMSA regulations. The State Fire Marshal acts as PHMSA’s agent to monitor and enforce the regulations on those pipelines that do not transport product from a production facility, such as an oil and gas field. The State of California’s Division of Oil and Gas and Geothermal Resources (DOGGR), also monitors those pipelines that transport product from a production facility. DOGGR is in the process of implementing guidelines that parallel State Fire Marshal procedures.

In addition to the PHMSA regulations, the California Public Utilities Commission (CPUC) monitors and regulates Southern California Gas Company (SCGC). SCGC must also operate its pipelines in compliance with CPUC General Order 112F, which has additional stringent testing requirements as outlined by SCGC in a recent report to the County (Attachment 3). This report provides in detail the various regulations applicable to SCGC and SCGC activities to meet these regulations.

## **COUNTY PIPELINE FRANCHISES**

Based on the Board's directives and a review of the applicable regulations, we have established the following action steps.

First, the Chief Executive Office (CEO) is in the process of requesting all hazardous liquid or gas pipeline franchisees to provide data on their safety and testing program; a schedule of testing dates; jurisdictional authority over all the facilities; and other relevant data to allow the County to assess the applicable scope of operations relating to compliance with State and Federal regulations compliance. We will follow up and work with the franchisees on these requirements.

Second, we are adding language to the applicable franchise agreements that are being renewed requiring them to provide reports to the County to show their efforts to comply with applicable State and Federal regulations. We will continue to add this language as franchises are renewed.

Third, we will coordinate with the State Fire Marshal or DOGGR, as applicable, to bring to their attention any discrepancies found in the franchise reports, and to collaborate with them to understand what actions they will take to comply with PHMSA regulations.

Fourth, as directed by the Board, we have coordinated with the Oil and Gas Strike Team regarding this issue. The Oil and Gas Strike Team currently has consultant resources in place, which may be of assistance in reviewing reports and data provided by the franchisees.

Finally, we will provide the Board with annual reports on the status of the franchisee's compliance with these requirements.

## **FRANCHISE TRANSFER**

As part of the plan to reorganize the CEO, the Chief Executive Officer and the Director of Public Works agreed in April 2017 that the administration of the County's pipeline and utility franchise function should be transferred from CEO to Public Works. This is consistent with Public Works' charge to manage issues in the public right-of-way in the unincorporated areas. The CEO and Public Works have been working together to transition this function over the past several months. The CEO will provide guidance and assistance during this transition.

If you have additional questions, please contact Dean Lehman, Acting Senior Manager, Real Estate Division, at (213) 974-4200 or by email at [dlehman@ceo.lacounty.gov](mailto:dlehman@ceo.lacounty.gov).

SAH:DH:DL  
JC:KW:RB:ls

### **Attachments**

c: Executive Office, Board of Supervisors  
County Counsel  
Public Works  
Regional Planning

# **Attachment 1**

**County of Los Angeles**

**Pipeline and Utility Franchises**

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Expires
<b>UTILITY: NATURAL GAS, INDUSTRIAL GAS, LANDFILL GAS, ELECTRICITY</b>		
1	Air Products & Chemicals, Inc.	12/31/2017 Pending
2	Praxair Inc.	11/09/2021
3	Sagebrush General Partnership, C/O NextEra Energy, Inc.	05/22/2019
4	Southern California Edison Company	12/31/2017 Pending
5	Southern California Gas Company	12/31/2017 Pending
6	SCS Renewable Energy-Mountaingate LLC	5/21/2018 Pending
<b>PETROL: CRUDE OIL, NATURAL GAS, WET GAS, REFINED PETROL</b>		
7	Brea Canon Oil Co., Inc.	08/04/2018
8	Breitburn Operating LP	05/22/2021
9	Calnev Pipe Line LLC, C/O Kinder Morgan	11/13/2020
10	Cardinal Pipeline, L.P.	02/22/2021
11	California Resources Petroleum Corporation	12/31/2020
12	Crimson California Pipeline, L.P. <b>** Pending New Grant:</b>	12/31/2023 Pending
13	Crimson Resource Management Corporation	11/05/2018
14	The Dow Chemical Company	04/11/2020
15	ExxonMobil Oil Corp. Transfer, Grant, Amendment Pending	8/31/2019 Pending
16	<b>** Pending New Grant:</b> Torrance Valley PL Co LLC	Pending
~~	<b>** Transfer &amp; Amend:</b> Torrance Pipeline Co LLC	Pending
17	Kinder Morgan Liquids Terminals LLC	09/03/2021
18	Matrix Pipeline, L.P.	1/13/2018 Pending
19	Mobil Pacific Pipeline Company C/O Exxon	5/22/2027 Pending
~~	<b>** Transfer &amp; Amend</b> Torrance Basin PL Co LLC	Pending
20	Pacific Pipeline System LLC, C/O Plains All American	10/16/2037
21	Pacific Pipeline System LLC, C/O Plains All American	12/31/2021
22	Plains West Coast Terminals LLC, C/O Plains All American	12/27/2025
23	Paramount Petroleum Corporation	12/31/2021
24	Phillips 66 Company	02/22/2021
25	Phillips 66 Pipeline LLC	2/22/2021 Pending
~~	<b>** Transfer &amp; Amend:</b> Crimson California Pipeline	Pending
26	Freeport-McMoRan Oil & Gas LLC	2/28/2019 Pending
~~	<b>** Transfer &amp; Amend:</b> Sentinel Peak Resources	Pending
27	Power Run Oil, LLC	07/11/2020
28	Santa Fe Energy Operating Partners, L.P. C/O Chevron Corp.	11/11/2007 (Hold Over)

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Expires
29	SFPP, L.P. / Kinder Morgan	11/13/2020
30	Shell California Pipeline Company LLC	12/31/2021 <b>Pending</b>
~~	<b>** Transfer &amp; Amend:</b> Crimson California Pipeline	<b>Pending</b>
31	Chevron U.S.A. Inc., fka Standard Gas Co, 2017 Transfer	<b>12/31/2022</b>
32	Tesoro SoCal Pipeline Company, LLC	<b>12/31/2017 Pending</b>
33	Tesoro Refining & Marketing Company LLC	<b>2/17/2018 Pending</b>
34	Texaco Exploration and Production Inc. / Chevron U.S.A. Inc.	<b>12/31/2017 Pending</b>
35	Union Oil Company of California, C/O Chevron Corp.	12/31/2019
36	United States of America (Dept. Defence Air Force Jet Fuel)	12/31/2022
<b>WATER: POTABLE, RECYCLED &amp; WASTE WATER</b>		
37	City of Azusa	10/09/2019
38	California-American Water Company	08/11/2021
39	California Domestic Water Company	07/11/2025
40	California Water Service Company	12/31/2027
41	Covina Irrigating Company	06/20/2025
42	Golden State Water Company	12/31/2018
43	Lake Elizabeth Mutual Water Company	02/08/2019
44	Las Flores Water Company	10/03/2025
45	La Habra Utility Authority	12/22/2031
46	Llano Del Rio Water Company	05/10/2025
47	City of Norwalk	10/24/2025
48	Park Water Company	11/27/2020
49	Pepperdine University	08/24/2021
50	San Gabriel Valley Water Company	04/18/2038
51	Suburban Water Systems	11/27/2020
52	Valencia Heights Water Company	01/16/2026
53	Valencia Water Company	12/16/2018
54	Walnut Park Mutual Water Company	11/11/2022

# **Attachment 2**

**Pipeline Due Diligence Report**

**By**

**Chief Executive Office**

**Real Estate Division**

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
<b>8361 Utility: Natural Gas, Industrial &amp; Landfill Gas, Electricity</b>												
1	<b>APCI:</b> Air Products & Chemicals, Inc.	Proprietary Industrial Gas (Hydrogen)	99-0019F 2014-0012F	2015-0029F 2017-00xxF	12/31/2017 Pending	D4	"South Bay" Area (Lines in West Carson Harbor Gateway only)	8,854	0	8,854	Active 10" Carson/Exxon (Torrance Logistics) Hydrogen Line IMP-186 APCI Total 8,854 feet	Inspect/Test PHMSA 49 CFR Given No High Consequence Areas, Internal Testing Not Required. Only Ground patrol & leakage surveys quarterly, Cathodic surveys annually.
	<b>APCI</b>	Proprietary Industrial Gas (Hydrogen)	99-0019F 2014-0012F	2015-0029F 2017-00xxF	12/31/2017 Pending	D2 N/A	South Bay (No Pipes)	0	0	0	No Pipelines D2	D2 in Franchise Area Only
										<b>8,854</b>	<b>APCI Total Footage</b>	
2	<b>PRAX:</b> Praxair Inc.	Proprietary Industrial Gas (Nitrogen)	(96-0057F) 2011-0056F		11/09/2021	D4	West Carson (Harbor Gateway)	5,934	0	5,934	Active 6" Nitrogen Line to Torrance Logistics Refinery (Exxon)	Inspect/Test PHMSA 49 CFR Internal Testing Not Required on Nitrogen Pipeline. PHMSA doesn't define Nitrogen as Hazardous. Inspect annually Cathodic protection with Emergency Shutoff Devices,
	<b>PRAX</b>	Proprietary Industrial Gas (Nitrogen)	(96-0057F) 2011-0056F		11/09/2021	D2	West Carson (Harbor Gateway)	2,828	0	2,828	6" Nitrogen Line. PRAX Total 8,762 feet	N/A to Nitrogen Line As Noted Above
										<b>8,762</b>	<b>PRAX Total Footage</b>	
3	<b>SCGC:</b> Southern California Gas Co.	Public Utility Natural Gas	6765 2005-0075F 2006-0080F 2007-0101F 2008-0062F 2009-0054F	2011-0064F 2013-0059F 2014-0051F 2015-0051F 2017-00xxF	12/31/2017	All	County Wide, All	?	?	?	2,532 Miles <b>13,368,960 Ft</b> in LACO Franchise, Safety Testing Report Received	Inspect/Test PHMSA 49 CFR & CPUC General Order 112F for Gas Systems
	<b>SCGC</b>	Public Utility Natural Gas	6765		12/31/2017	D1	District 1/5th Total	2,673,792	?	2,673,792	Same 1/5th Total	Inspect/Test PHMSA 49 CFR
	<b>SCGC</b>	Public Utility Natural Gas	6765		12/31/2017	D2	Same	2,673,792	?	2,673,792	Same 1/5th Total	Inspect/Test PHMSA 49 CFR
	<b>SCGC</b>	Public Utility Natural Gas	6765		12/31/2017	D3	Same	2,673,792	?	2,673,792	Same 1/5th Total	Inspect/Test PHMSA 49 CFR
	<b>SCGC</b>	Public Utility Natural Gas	6765		12/31/2017	D4	Same	2,673,792	?	2,673,792	Same 1/5th Total	Inspect/Test PHMSA 49 CFR
	<b>SCGC</b>	Public Utility Natural Gas	6765		12/31/2017	D5	Same	2,673,792	?	2,673,792	Same 1/5th Total	Inspect/Test PHMSA 49 CFR
							2673792			<b>13,368,960</b>	<b>SCGC Total Footage</b>	
4	<b>SCSR:</b> SCS Renewable Energy-Mountaingate LLC	Proprietary Landfill Gas	2008-0015F		05/21/2018	D3	West LA, Sawtelle/VA Center	0	56	56	Inactive 8" Gas Line from Mountaingate Landfill to UCLA No longer needed	Application to abandon filed with Dept. Public Works 11/02/2017



## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
<b>8363 Petrol: Crude Oil, Nat. Gas, Wet Gas, Refined Petrol, etc.</b>												
5	<b>BREA:</b> Brea Canon Oil Co., Inc.	Proprietary Petroleum	(92-0069F) 2008-0034F		08/04/2018	<b>D2</b>	West Carson (Harbor Gateway)	620	0	620	7 Large Conduits for Active Petrol Pipeline crossings major Hwys	Inspect/Test DOGGR 14 CCR every 2yrs. pressure last tested Apr 2017 @ 125% of line psi. Testing schedule provided
	<b>BREA</b>	Proprietary Petroleum	(92-0069F) 2008-0034F		08/04/2018	<b>D2</b>	West Carson (Harbor Gateway)	33,181	0	33,181	Active Petrol gathering lines (33,181 ft.) in prior rights by easements in Hwys dedicated on map BREA	Inspect/Test DOGGR 14 CCR same as above
	<b>BREA</b>	Proprietary Petroleum	(92-0069F) 2008-0034F		08/04/2018	<b>D4 N/A</b>	West Carson (Harbor Gateway)	0	0	0	No Pipelines D4	D4 in Franchise Area Only
										<b>34,001</b>	<b>BREA Total Footage</b>	
6	<b>BREI:</b> Breitburn Operating LP	Proprietary Petroleum	2002-0030F CEO Consent 2004-12-20	CEO Consent 2007-10-01 <b>2017-0019F</b>	12/31/2021	<b>D2</b>	Willowbrook (Rosecrans)	1,345	8,470	9,815	Various Diameter Active & Inactive pipelines in Rosecrans Oil and Gas Field	Inspect/Test DOGGR 14 CCR nonregulated petrol pipelines. Data request 08/29/2017 Local LA office.
	<b>BREI</b>	Proprietary Petroleum	2002-0030F CEO Consent 2004-12-20	CEO Consent 2007-10-01 <b>2017-0019F</b>	12/31/2021	<b>D3</b>	West LA, Sawtelle/VA Center	0	360	360	Two Abandoned Petrol Pipelines (8" & 6" ) in Wilshire Blvd Total BREI Pipelines 10,175 feet	Inspect/Test PHMSA 49 CFR approved for abandonment by OSFM 07/11/2016.
										<b>10,175</b>	<b>BREI Total Footage</b>	
7	<b>CALN:</b> Calnev Pipe Line LLC, C/O Kinder Morgan	Regulated Common Carrier Petroleum	2005-0080F		11/13/2020	<b>D5</b>	East Antelope Valley	123,131	0	123,131	Active 6" Edwards Air Force Base Lateral	Inspect/Test PHMSA 49 CFR CPUC General Orders, OSFM regulated common carrier product pipelines. Test dates requested
										<b>123,131</b>	<b>CALN Total Footage</b>	
8	<b>CARD:</b> Cardinal Pipeline, L.P.	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D4</b>	A: South Whittier	0	6,913	6,913	All Inactive Lines 8" Vernon Line, 8" Cenco Line 10, 8" Brea Crude (West)	Inspect/Test PHMSA 49 CFR OSFM Info requested
	<b>CARD</b>	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D2</b>	B: Westmont West Athens	0	5,553	5,553	Inactive 4" Howard Park Line	Inspect / Test Info requested (08/31/17 & 11/06/17)
	<b>CARD</b>	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D2</b>	C: West Compton Willowbrook	0	6,591	6,591	Inactive 6" Dominguez Gathering Line, & an Inactive 4" Line	Inspect / Test Info requested (08/31/17 & 11/06/17)
	<b>CARD</b>	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D2</b>	D: East Carson Rancho Dominguez	0	1,843	1,843	4" Del Amo Gathering Line	Inspect / Test Info requested (08/31/17 & 11/06/17)
	<b>CARD</b>	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D1 N/A</b>	D: East Carson Rancho Dominguez	0	0	0	No Pipelines	D1 Franchise Area Only
	<b>CARD</b>	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D4</b>	E: West Whittier Los Nietos	0	13,084	13,084	8" Montebello Kern Line	Inspect / Test Info requested (08/31/17 & 11/06/17)

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
	<b>CARD</b>	Proprietary Petroleum	2015-0009F	2016-0067F	02/22/2021	<b>D1</b>	F: South San Gabriel Whittier Narrows	0	1,490	1,490	4" Del Amo Gathering Line, Total CARD Inactive 34,474 feet	Inspect / Test Info requested (08/31/17 & 11/06/17)
											<b>35,474</b>	<b>CARD Total Footage</b>
9	<b>CRPC:</b> California Resources Petroleum Corp (fka Vintage)	Proprietary Petroleum	2001-0059F CEO Consent 2006-04-18	2016-0033F	12/31/2020	<b>D5</b>	A: Castaic, Val Verde, Del Valle	15,304	0	15,304	Active Gathering Lines and Flow Lines Del Valle Oil & Gas Field	Inspect / Test per DOGGR Regulations on nonregulated petrol pipelines (rural area).
											<b>15,304</b>	<b>CRPC Total Footage</b>
10	<b>CRCA:</b> Crimson California Pipeline, L.P. <b>Pending</b>	Regulated Common Carrier Petroleum	<b>2018-00xxF Pending</b>		<b>12/31/2023</b>	<b>D4</b>	A: South Whittier / East La Mirada	16,172	14,897	31,069	Active 10" Stewart to Norwalk Line 700, Inactive 8" Brea Crude Line East	Inspect/Test PHMSA 49 CFR CPUC General Orders, OSFM regulated common carrier petrol pipelines. Info received
	<b>CRCA</b>	Regulated ComCarrier Petroleum	2018-00xxF Pending		12/31/2023	<b>D2</b>	B: Lennox, Del Aire Wiseburn, El Camino Village	19,752	0	19,752	Active 12" Torrey Trunk Line 600	Inspect/Test PHMSA 49 CFR CPUC General Orders OSFM
	<b>CRCA</b>	Regulated ComCarrier Petroleum	2018-00xxF Pending		12/31/2023	<b>D4 N/A</b>	B: Lennox, Del Aire Wiseburn, El Camino	0	0	0	No Pipelines	D4 in Franchise Area Only.
	<b>CRCA</b>	Regulated ComCarrier Petroleum	2018-00xxF Pending		12/31/2023	<b>D3</b>	C: Calabasas / Santa Monica Mountains	4,480	0	4,480	<b>Active</b> 10" Ventura Crude Line	Inspect/Test PHMSA 49 CFR CPUC General Orders OSFM
	<b>CRCA</b>	Regulated ComCarrier Petroleum	2018-00xxF Pending		12/31/2023	<b>D5</b>	D: Santa Clarita / Stevenson Ranch	0	1,715	1,715	Inactive 8" Newhall to Fillmore Line	Inspect/Test PHMSA 49 CFR CPUC General Orders OSFM
	<b>CRCA</b>	Regulated ComCarrier Petroleum	2018-00xxF Pending		12/31/2023	<b>D5</b>	E: De Valle / Newhall Ranch	0	12,399	12,399	Inactive 4" and 8" Piru Gathering Lines, CRCA Active 40,404' Inactive 29,011', Total 69,415 Ft	Inspect/Test PHMSA 49 CFR CPUC General Orders OSFM
											<b>69,415</b>	<b>CRCA Total Footage</b>
11	<b>CRMC:</b> Crimson Resource Management Corporation	Proprietary Petroleum	2008-0053F		<b>11/05/2018</b>	<b>D5</b>	Castaic / Val Verde	4,450	10,100	14,550	Various Active & Inactive 2" 3" 4" Flow & Gathering Lines Hasley Canyon Oil & Gas Field, CRMC Footages as shown	Inspect/ Test DOGGR CCR 14 on nonregulated Oil flow and gathering lines (rural area).
											<b>14,550</b>	<b>CRMC Total Footage</b>
12	<b>DOWC:</b> The Dow Chemical Company	Proprietary Petroleum	2005-0014F		04/11/2020	<b>D2</b>	West Carson / Harbor Gateway	0	4,322	4,322	Inactive 4" Styrene Line	Inspect/Test PHMSA 49 CFR OSFM nonregulated styrene pipeline (CSFM# 0130-0072)
	<b>DOWC</b>					<b>D4 N/A</b>	West Carson / Harbor Gateway	0	0	0	No Pipelines	D4 in Franchise Area Only.
											<b>4,322</b>	<b>DOWC Total Footage</b>

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<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
13	EMOC: ExxonMobil Oil Corporation	Proprietary Petroleum	2004-0043F		08/31/2019	D5	A: Santa Clarita / Val Verde	108,664	3,712	112,376	Active 12" & 16" M-70 Crude Line, Inactive 16" M-70 Crude Line, Inactive 4" G-122 Crude Line	Inspect/Test PHMSA CFR 49 OSFM nonregulated petrol pipelines.
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D3	B: West LA / Sawtelle, VA Center	4,397	0	4,397	Active 16" M-70 Crude Line	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D2	C: West Alondra Park / Del Aire / Lennox	15,060	0	15,060	Active 16" M-70 Crude Line	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D4 N/A	C: West Alondra Park / Del Aire / Lennox	0	0	0	No Pipelines	D4 in Franchise Area Only.
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D2	D: West Carson Harbor Gateway	4,350	21,706	26,056	Active 24" Crude Line, Active 12" Product Line, Various Diameter Inactive Lines (2" to 10")	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary	2004-0043F		08/31/2019	D4	D: West Carson	0	0	0	No Pipelines	D4 in Franchise Area Only
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D2	E: East Carson Rancho Dominguez	8,593	0	8,593	Active 12" Refined Product Line	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D2	F: West Compton / Willowbrook	0	86,893	86,893	Various Diameter Inactive lines (3" to 10")	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D2	G: Florence / Walnut Park	6,514	53,335	59,849	Active M145 Prod. Line, Various Diameter (4" 6" 10") Inactive Prods lines	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D1	H: Vernon / Bandini Island	649	0	649	Active M3 Product Line	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D4	I: West Whittier / Los Nietos	0	10,803	10,803	Inactive M2 Pipeline	Inspect/Test PHMSA CFR 49
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D1 N/A	I: West Whittier / Los Nietos	0	0	0	No Pipelines	D1 in Franchise Area Only
	EMOC	Proprietary Petroleum	2004-0043F		08/31/2019	D4	J: South Whittier / East La Mirada	0	4,568	4,568	Inactive 3" G24-44 Crude line, 3" G50 Natural Gasoline line	Inspect/Test PHMSA CFR 49
14	<b>EMOC ** Pending Consent: Torrance Valley &amp; Torrance Pipeline, PBF Energy Inc. subsidiaries</b>										<b>329,244</b>	<b>EMOC Total Footage</b>
15	KMLT: Kinder Morgan Liquids Terminals LLC	Proprietary Petroleum	2006-0056F		09/03/2021	D2	A: West Carson / Harbor Gateway	4,287	0	4,287	Active 8" and 10" Jet Fuel Line GX-190-090	Pipeline in D2
	KMLT	Proprietary Petroleum	2006-0056F		09/03/2021	D4 N/A	A: West Carson / Harbor Gateway	0	0	0	No Pipelines	D1 in Franchise Area Only
										<b>4,287</b>	<b>KMLT Total Footage</b>	
16	MATX: Matrix Pipeline, L.P.	Proprietary Petroleum	2007-0105F		01/13/2018	D4	A: West Whittier	3,780	0	3,780	Active 3,480" Wastewater Line and 300' Oil Line	Inspect / Test per DOGGR Nonregulated Oil Pipeline
										<b>3,780</b>	<b>Total Footage</b>	

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
17	MPPC: Mobil Pacific Pipeline Company C/O Exxon	Regulated Common Carrier Petroleum	(97-0017F) 2012-0018F		05/22/2027	D2	A: West Carson / Harbor Gateway	24,153	0	24,153	Active 6", 8" and 10" Crude and Product Lines	Inspect/Test PHMSA CFR 49 CPUC and OSFM regulated common carrier petroleum pipeline
	MPPC	Regulated ComCarrier Petroleum	(97-0017F) 2012-0018F		05/22/2027	D4 N/A	A: West Carson / Harbor Gateway	0	0	0	No Pipelines	D4 in Franchise Area Only
MPPC: ** Pending Consent: Torrance Basin PL Co LLC, a PBF Energy Inc. subsidiary											24,153	MPPC Total Footage
18	PAC1: Pacific Pipeline System LLC	Regulated ComCarrier Petrol/Fiber Optic Cable	97-0050F	98-0016F	10/16/2037	D5	Stated In Franchise 1st: Peace Valley / Gorman	35,821	0	35,821	Active 20' Line 2000	Inspect/Test PHMSA CFR 49 CPUC and OSFM regulated com-carrier petrol Lines.
	PAC1	Regulated ComCarrier Petroleum	97-0050F	98-0016F	10/16/2037	D5	2nd: Castaic / Hasley Canyon	1,064	0	1,064	Active 20' Line 2000	Inspect/Test PHMSA CFR 49
	PAC1	Regulated ComCarrier Petroleum	97-0050F	98-0016F	10/16/2037	D5	3rd: Castaic / Stevenson Ranch	78,213	0	78,213	Active 20' Line 2000	Inspect/Test PHMSA CFR 49
	PAC1	Regulated ComCarrier Petroleum	97-0050F	98-0016F	10/16/2037	D2	4th: Willowbrook	1,471	0	1,471	Active 20' Line 2000	Inspect/Test PHMSA CFR 49
	PAC1	Regulated ComCarrier Petroleum	97-0050F	98-0016F	10/16/2037	D2	5th: Athens	60	0	60	Active 20' Line 2000	Inspect/Test PHMSA CFR 49
	PAC1	Regulated ComCarrier Petroleum	97-0050F	98-0016F	10/16/2037	D2	6th: Athens	77	0	77	Active 20' Line 2000	Inspect/Test PHMSA CFR 49
	PAC1	Regulated ComCarrier Petroleum	97-0050F	98-0016F	10/16/2037	D2	7th: Athens	3,951	0	3,951	Active 20' Line 2000	Inspect/Test PHMSA CFR 49
										120,657	PAC1 Total Footage	
19	PAC2: Pacific Pipeline System LLC	Regulated Common Carrier Petroleum	2002-0007F	2017-0007F	12/31/2021	D1	A: East Los Angeles	20,828	0	20,828	Active 14" Line 63 Crude Oil Line	Inspect/Test PHMSA CFR 49 CPUC and OSFM regulated com-carrier petrol Lines.
	PAC2	Regulated ComCarrier Petroleum	2002-0007F	2017-0007F	12/31/2021	D5	B: Castaic / Lake Hughes	82	0	82	Active 14" Line 63 Crude Oil Line Road Crossings in Prior Rights by Easement	Inspect / Test CPUC and OSFM code on regulated com-carrier crude oil pipelines.
	PAC2	Regulated ComCarrier	2002-0007F	2017-0007F	12/31/2021	D2	C: Willowbrook / Rosewood	0	9,801	9,801	Inactive 8" Line No. 6	Inspect/Test PHMSA CFR 49
	PAC2	Regulated ComCarrier	2002-0007F	2017-0007F	12/31/2021	D5	D: Newhall / Angeles National Forest	1,933	0	1,933	Active 14" Line 63 Crude Oil Line	Inspect/Test PHMSA CFR 49
	PAC2	Regulated ComCarrier	2002-0007F	2017-0007F	12/31/2021	D2	E: West Carson	92	0	92	Active 16" Line 83 Crude Oil Line	Inspect/Test PHMSA CFR 49

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
	<b>PAC2</b>	Regulated ComCarrier	2002-0007F	2017-0007F	12/31/2021	<b>D2</b>	F: Rancho Dominguez	4,657	0	4,657	Active 16" Line 83 Crude Oil Line	Inspect/Test PHMSA CFR 49
											<b>37,393</b>	<b>PAC2 Total Footage</b>
<b>20</b>	<b>PWCT:</b> Plains West Coast Terminals LLC (fka Pacific Terminals, fka SoCal Edison)	Regulated Common Carrier Petroleum	2000-0069F 2005-0111F	CEO Consent 2010-11-05	12/27/2025	<b>D2</b>	South Bay Area, Rancho Dominguez Uninc. Area	157,480	0	157,480	Active 24" Crude Oil Line No. 553, Active 16" Crude Oil Line No. 558	Inspect/Test PHMSA CFR 49 CPUC General Orders, OSFM regulated common carrier petroleum pipelines.
	<b>PWCT</b>	Regulated ComCarrier Petroleum	2000-0069F 2005-0111F	CEO Consent 2010-11-05	12/27/2025	<b>D1 N/A</b>	South Bay Area	0	0	0	No Pipelines	D1 in Franchise Area Only
	<b>PWCT</b>	Regulated ComCarrier Petroleum	2000-0069F 2005-0111F	CEO Consent 2010-11-05	12/27/2025	<b>D4</b>	South Bay Area	0	0	0	No Pipelines	D4 in Franchise Area Only
	<b>PWCT</b>	Regulated ComCarrier Petroleum	2000-0069F 2005-0111F	CEO Consent 2010-11-05	12/27/2025	<b>D4</b>	Santa Fe Springs, La Mirada Uninc. Area	0	24,870	24,870	Total PWCT Active Lines	Inspect/Test PHMSA CFR 49
											<b>182,350</b>	<b>PWCT Total Footage</b>
<b>21</b>	<b>PARA:</b> Paramount Petroleum Corporation	Proprietary Petroleum	2006-0055F CEO Consent 2008-07-29	2015-0007F 2016-0039F	12/31/2021	<b>D2</b>	A: Rancho Dominguez	14,510	0	14,510	Active 10" and 6" Line GX-145, and Cenco Lines 3 & 4	Inspect/Test PHMSA CFR 49 OSFM nonregulated petrol pipelines.
	<b>PARA</b>	Proprietary Petroleum	2006-0055F CEO Consent	2015-0007F 2016-0039F	12/31/2021	<b>D4 N/A</b>	A: Rancho Dominguez	0	0	0	No Pipelines	D4 in Franchise Area Only
	<b>PARA</b>	Proprietary Petroleum	2006-0055F CEO Consent	2015-0007F 2016-0039F	12/31/2021	<b>D2</b>	B: East Rancho Dominguez	2,519	0	2,519	Active 6" Line GX-145	PHMSA CFR 49 & OSFM
	<b>PARA</b>	Proprietary Petroleum	2006-0055F CEO Consent	2015-0007F 2016-0039F	12/31/2021	<b>D4 N/A</b>	B: East Rancho Dominguez	0	0	0	No Pipelines	D4 in Franchise Area Only
											<b>17,029</b>	<b>PARA Total Footage</b>
<b>22</b>	<b>P66C:</b> Phillips 66 Co. fka ConocoPhillips Company	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D2</b>	A: Lennox / Del Aire / Wiseburn / El Camino Village	7,322	0	7,322	Active 8" LAX Turbine Fuel Line	Inspect/Test PHMSA CFR 49 OSFM nonregulated petrol pipelines.
	<b>P66C</b>	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D4 N/A</b>	A: Lennox / Del Aire / Wiseburn / El Camino Village	0	0	0	No Pipelines	D4 in Franchise Area Only
	<b>P66C</b>	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D2</b>	B: West Carson / Harbor Gateway	22,304	3,430	25,734	Active 6" LAT Prods. Line, 6" Inactive SP Line 1057, Active 8" LAX Turbine Fuel Line, Active 12" SFPP Line 101, Active 20" Watson Prods. Line	PHMSA CFR 49 OSFM
	<b>P66C</b>	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D4 N/A</b>	B: West Carson / Harbor Gateway	0	0	0	No Pipelines	D4 in Franchise Area Only
	<b>P66C</b>	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D2</b>	C: Willowbrook / West Compton	16,488	0	16,488	Active 6" LAT Prods. Line Active 12" LAT Prods. Line	PHMSA CFR 49 OSFM

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
	<b>P66C</b>	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D2</b>	D: East Carson / Rancho Dominguez	475	0	475	Active 20" Watson Prods. Line, Active 8" Prods. Line	PHMSA CFR 49 OSFM
	<b>P66C</b>	Proprietary Petroleum	2006-0007F	2016-0066F	02/22/2021	<b>D4 N/A</b>	D: East Carson / Rancho Dominguez	0	0	0	No Pipelines	D4 in Franchise Area Only
											<b>50,019</b>	<b>P66C Total Footage</b>
<b>23</b>	<b>P66P: Phillips 66 Pipeline LLC fka ConocoPhillips PL (Consent Pending)</b>	Regulated Common Carrier Petroleum	2006-0008F	<b>2018-00xxF</b>	02/22/2021	<b>D2</b>	A: West Carson / Harbor Gateway	3,153	0	3,153	Active 10" Torrance A Line No. 600	Inspect / Test OSFM code on Regulated oil pipes
	<b>P66P</b>	Regulated ComCarrier Petroleum	2006-0008F	<b>2018-00xxF</b>	02/22/2021	<b>D4 N/A</b>	A: West Carson / Harbor Gateway	0	0	0	No Pipelines	D4 in Franchise Area Only
											<b>3,153</b>	<b>P66P Total Footage</b>
<b>24</b>	<b>FMOG: Freeport-McMoRan Oil &amp; Gas LLC (fka Plains Expl &amp; FMOG: Prod. Co.,</b>	Proprietary Petroleum	2008-0066F	2016-0032F	02/28/2019	<b>D2</b>	A: Ledera Heights	6,925	6,925	13,850	Pairs of Active and Inactive Lines 14", 12", 10", and 8" Oil and Water Inglewood Oil Field	Inspect/Test PHMSA CFR 49 OSFM some pipes, CCR 14 DOGGR code other pipes
<b>FMOG: ** Pending Consent: Now Owned By Sentinel Peak Resources</b>											<b>13,850</b>	<b>FMOG Total Footage</b>
<b>25</b>	<b>POWR: Power Run Oil, LLC</b>	Proprietary Petroleum	2010-0029F		07/11/2020	<b>D2</b>	A: Westmont / West Athens	1,334	10,371	11,705	Various Diameter Active & Inactive lines Howard Townsite Oil Field	Inspect/Test PHMSA CFR 49 and CCR 14 DOGGR nonregulate oil & gas pipes
	<b>POWR</b>	Proprietary Petroleum	2010-0029F		07/11/2020	<b>D2</b>	B: West Compton / Willowbrook	0	600	600	Wastewater pipeline	Inspect/Test Under LACO Highway Code
											<b>12,305</b>	<b>POWR Total Footage</b>
<b>26</b>	<b>SANT: Santa Fe Energy Operating Partners, L.P. C/O Chevron (Texaco)</b>	Proprietary Petroleum	82-0229F	89-0042F	11/11/2007 (Hold Over)	<b>All D2</b>	Countywide: Pipelines in West Athens	0	17,038	17,038	Various Diameter Inactive Oil lines Howard Townsite Oil Field	Inspect/Test PHMSA CFR 49 and CCR 14 DOGGR nonregulate oil & gas pipes
											<b>17,038</b>	<b>SANT Total Footage</b>
<b>27</b>	<b>SFPP: SFPP, L.P., C/O Kinder Morgan</b>	Regulated Common Carrier Petroleum	2005-0079F		11/13/2020	<b>D2 D4 N/A</b>	A: West Carson / Harbor Gateway	0	0	0	Active Lines in West Carson sold to ConocoPhillips	Inspect/Test PHMSA CFR 49 CPUC General Orders, OSFM regulated common carrier petroleum pipelines.
	<b>SFPP</b>	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	<b>D2</b>	B: East Carson / Rancho Dominguez	16,535	0	16,535	Active 16" Line No. 1, Active 16" Line No. 120	Inspect/Test PHMSA CFR 49
	<b>SFPP</b>	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	<b>D4 N/A</b>	B: East Carson / Rancho Dominguez	0	0	0	No Pipelines	D4 in Franchise Area Only
	<b>SFPP</b>	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	<b>D2</b>	C: Florence / Graham / Walnut Park / Willowbrook	0	500	500	Inactive 10" Line No. 23	Inspect/Test PHMSA CFR 49

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
	SFPP	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	D1 N/A	C: Florence / Graham / Walnut Park / Willowbrook	0	0	0	No Pipelines	D1 in Franchise Area Only
	SFPP	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	D4	D: South Whittier / East La Mirada	36,348	0	36,348	Active 16" Line No. 1, Active 24" Line No. 108	Inspect/Test PHMSA CFR 49
	SFPP	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	D4	E: Northeast Whittier / Hacienda Heights	28,108	0	28,108	Active 24" Line No. 108	Inspect/Test PHMSA CFR 49
	SFPP	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	D1 N/A	E: Northeast Whittier / Hacienda Heights	0	0	0	No Pipelines	D1 in Franchise Area Only
	SFPP	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	D4	F: Rowland Heights	9,614	0	9,614	Active 16" Line No. 1	Inspect/Test PHMSA CFR 49
	SFPP	Regulated ComCarrier Petroleum	2005-0079F		11/13/2020	D1	F: Rowland Heights	0	0	0	No Pipelines	D1 in Franchise Area Only
										<b>91,105</b>		<b>SFPP Total Footage</b>
28	SHCA: Shell California Pipeline Co. LLC (Consent Pending)	Regulated Common Carrier Petroleum	91-0155F 97-0057F 2005-0008F	2017-0002F 2018-00xxF	12/31/2021	D2	A: Florence/Firestone	0	28,241	28,241	Inactive 4" LA Products Line 1 Inactive 4" LA Products Line 2	Inspect/Test PHMSA CFR 49 CPUC General Orders, OSFM regulated common carrier petroleum pipelines.
	SHCA	Regulated Common Carrier Petroleum	91-0155F 97-0057F 2005-0008F	2017-0002F 2018-00xxF	12/31/2021	D2	B: Willowbrook/West Compton	0	8,754	8,754	Inactive 4" LA Products Line 1 Inactive 4" LA Products Line 2	Inspect/Test PHMSA CFR 49
	SHCA	Regulated Common Carrier Petroleum	91-0155F 97-0057F 2005-0008F	2017-0002F 2018-00xxF	12/31/2021	D2	C: East Carson/ Rancho Dominguez	0	7,478	7,478	Inactive 4" LA Products Line 2	Inspect/Test PHMSA CFR 49
	SHCA	Regulated Common Carrier Petroleum	91-0155F 97-0057F 2005-0008F	2017-0002F 2018-00xxF	12/31/2021	D2	D: West Carson/ Harbor Gateway	8,560	0	8,560	Active 6" and 8" Ventura Products Lines	Inspect/Test PHMSA CFR 49
	SHCA	Regulated Common Carrier Petroleum	91-0155F 97-0057F 2005-0008F	2017-0002F 2018-00xxF	12/31/2021	D2	E: Lennox/Del Aire/Wiseburn	2,821	0	2,821	Active 6" Ventura Products Line	Inspect/Test PHMSA CFR 49
	SHCA	Regulated Common Carrier Petroleum	91-0155F 97-0057F 2005-0008F	2017-0002F 2018-00xxF	12/31/2021	D3	F: Sawtelle/VA Center	2,203	0	2,203	Active 8" Ventura Products Line	Inspect/Test PHMSA CFR 49
										<b>58,057</b>		<b>SHCA Total Footage</b>

## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
29	<b>STAN-CUSA:</b> Standard Gas Company, Now Chevron USA Inc.	Proprietary Petroleum	92-0134F	2017-0042F	12/31/2022	D1	A: East Los Angeles	0	205	205	Inactive Wastewater Line	Inspect/Test PHMSA CFR 49 OSFM on nonregulated oil, gas, and water pipelines
	<b>STAN-CUSA</b>	Proprietary Petroleum	92-0134F	2017-0042F	12/31/2022	D3	B: West Los Angeles (Sawtelle VA Center)	7,120	0	7,120	Active 8" Culver City to Van Nuys Product Line	Inspect/Test PHMSA CFR 49
	<b>STAN-CUSA</b>	Proprietary Petroleum	92-0134F	2017-0042F	12/31/2022	D4	C: La Mirada	2,720	0	2,720	Inactive 6", 8" and 10" Pyramid Gas Line	Inspect/Test PHMSA CFR 49
	<b>STAN-CUSA</b>	Proprietary Petroleum	92-0134F	2017-0042F	12/31/2022	D2	D: Carson (Rancho Dominguez)	0	1,500	1,500	Inactive Watson to El Segundo Transmix Line	Inspect/Test PHMSA CFR 49
	<b>STAN-CUSA</b>	Proprietary Petroleum	92-0134F	2017-0042F	12/31/2022	D2	E: Harbor Corridor (West Carson)	1,071	0	1,071	Active 20" El Segundo To Watson Product Line	Inspect/Test PHMSA CFR 49
											<b>12,616</b>	<b>CUSA Total Footage</b>
30	<b>TSCP:</b> Tesoro SoCal Pipeline Company, LLC, fka BP West Coast Products LLC (ARCO)	Proprietary Petroleum	99-0068F 2001-0078F 2007-0104F	2014-0019F 2015-0057F 2017-00xxF	12/31/2017	D2	A: South Bay (West Carson)	8,409	0	8,409	Active 16" Line 89, Active 10" Line 80 refined products pipelines	Inspect/Test PHMSA CFR 49 OSFM on nonregulated oil & gas pipelines. Info requested
	<b>TSCP</b>	Proprietary Petroleum	99-0068F 2001-0078F 2007-0104F	2014-0019F 2015-0057F 2017-00xxF	12/31/2017	D4	A: South Bay (West Carson)	0	0	0	No Pipelines	D4 in Franchise Area Only
	<b>TSCP</b>	Proprietary Petroleum	99-0068F 2001-0078F 2007-0104F	2014-0019F 2015-0057F 2017-00xxF	12/31/2017	D2	B: Westmont / West Athens	23,597	0	23,597	Active 12" Line 211 gas pipeline	Inspect/Test PHMSA CFR 49
	<b>TSCP</b>	Proprietary Petroleum	99-0068F 2001-0078F 2007-0104F	2014-0019F 2015-0057F 2017-00xxF	12/31/2017	D2	C: View Park / Windsor Hills	5,270	0	5,270	Active 12" Line 211 gas pipeline	Inspect/Test PHMSA CFR 49
											<b>37,276</b>	<b>TSCP Total Footage</b>
31	<b>TSRM:</b> Tesoro Refining & Marketing, Co. LLC (fka Arco Midcon LLC & Arco Pipe Line Co)	Proprietary Petroleum	2007-0103F	2015-0056F	02/17/2018	D5	A: West Antelope Valley / Castaic / Val Verde	0	3,123	3,123	Inactive Arco Former Common Carrier Petrol Line 1 Destroyed in the Northridge Earthquake	Inspect/Test PHMSA CFR 49 OSFM on nonregulated oil & gas pipelines. Info requested
	<b>TSRM</b>	Proprietary Petroleum	2007-0103F	2015-0056F	02/17/2018	D3	A: West Antelope Valley / Castaic / Val Verde	0	0	0	No Pipelines	D3 in Franchise Area Only
	<b>TSRM</b>	Proprietary Petroleum	2007-0103F	2015-0056F	02/17/2018	D2	B: View Park / Windsor Hills	0	5,307	5,307	Inactive Arco Line 1	Inspect/Test PHMSA CFR 49
	<b>TSRM</b>	Proprietary Petroleum	2007-0103F	2015-0056F	02/17/2018	D2	C: Westmont / West Athens	0	9,230	9,230	Inactive Arco Line 1	Inspect/Test PHMSA CFR 49
	<b>TSRM</b>	Proprietary Petroleum	2007-0103F	2015-0056F	02/17/2018	D2	D: West Compton / Willowbrook	0	11,169	11,169	Inactive Arco Line 1	Inspect/Test PHMSA CFR 49
											<b>28,829</b>	<b>TSRM Total Footage</b>
32	<b>TXEP-CUSA:</b> Texaco Expl. & Prod. Co. Co. Now Chevron USA Inc.	Proprietary Petroleum	92-0134F		12/31/2018	D1	Whittier Narrows, Montebello Oil Field	0	7,177	7,177	Various Diameter Inactive Pipeline Lateral Hwy Crossings Near the Montebello Oil Field	Inspect/Test PHMSA CFR 49 OSFM some pipes, CCR 14 DOGGR other pipes



## PIPELINE AND UTILITY FRANCHISE DATA (12/12/2017)

No.	Franchisee Name	Type / Prod	Ordinance	Amended	Expires	Dist	Franchise Area(s)	Active Ft.	Inactive Ft.	Total Ft.	Pipeline(s)	Inspect / Test / Comment
<b>Inactive = "Out-of-Service, Static, Idle Decommissioned" But Still Considered Active Subject to Inspecting &amp; Testing</b>												
											<b>7,177</b>	<b>CUSA Total Footage</b>
33	UNOC: Union Oil Company of California, C/O Chevron USA Inc.	Proprietary Petroleum	2009-0051F		12/31/2019	D2	A: Westmont West Athens	0	5,604	5,604	Inactive 8" gas gathering line	Inspect/Test PHMSA CFR 49 OSFM on nonregulated oil & gas pipelines. Info requested
	UNOC-CUSA	Proprietary Petroleum	2009-0051F		12/31/2019	D2	B: West Compton Willowbrook	0	23,299	23,299	Various Diameter (4", 6", 8", 10") Inactive gas gathering lines	Inspect/Test PHMSA CFR 49
	UNOC-CUSA	Proprietary Petroleum	2009-0051F		12/31/2019	D1	C: South San Gabriel Whittier Narrows	0	1,490	1,490	Inactive 4" Montebello Crude Gathering Line	Inspect/Test PHMSA CFR 49
	UNOC-CUSA	Proprietary Petroleum	2009-0051F		12/31/2019	D4	D: South Whittier East La Mirada	0	4,359	4,359	Inactive 6" Hoffman Crude Gathering Line, Inactive East Side Natural Gasoline Line	Inspect/Test PHMSA CFR 49
	UNOC-CUSA	Proprietary Petroleum	2009-0051F		12/31/2019	D1	D: South Whittier East La Mirada	0	0	0	No Pipelines	D1 in Franchise Area Only
											<b>34,752</b>	<b>UNOC-CUSA Total Footage</b>
34	UASF: United States of America Dept of Defense (Air Force), Energy Support Ctr	Proprietary Petroleum	2007-0106F		12/31/2022	D2	All Countywide: West Carson	0	3,150	3,150	Inactive 10" Jet Fuel Line Lomita Blvd Uninc. West Carson & 166th St Uninc. Cerritos Island Area	Inspect/Test PHMSA CFR 49 and OSFM safety procedures using hydrostatic testing on nonregulated jet fuel pipelines
						D4	Cerritos Island	0	500	500	Inactive 10" Jet Fuel Line	Inspect/Test PHMSA CFR 49
											<b>3,650</b>	<b>United States Air Force</b>
								Active Ft.	Inactive Ft.	Total Ft.		
34 Total Pipeline Franchises Transporting Hazardous Liquids or Gases							<b>TOTALS</b>	<b>14,318,793</b>	<b>462,931</b>	<b>14,781,724</b>		
** Data reliable but subject to change upon receipt of additional information												

# **Attachment 3**

**Pipeline Safety Activities**

**Performed by**

**Southern California Gas Company**

**Within the**

**County of Los Angeles**

**(November 9, 2017)**

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

Prepared at the Request of the County of Los Angeles

November 9, 2017



*Glad to be of service.®*

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

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# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

## **(1) Purpose**

This report explains the safety regulations for natural gas pipelines and the requirements to operate and maintain natural gas pipelines.

SoCalGas operates 42,000 miles of natural gas pipelines within the County of Los Angeles. These pipelines are regulated by the California Public Utilities Commission (CPUC) per General Order No. 112-F – “State of California Rules Governing Design, Construction, Testing, Operation and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems” and Title 49 of the Code of Federal Regulations Part 192 – “Transportation of Natural and Other Gas by Pipeline; Minimum Federal Safety Standards”. SoCalGas’ formal practices and procedures meet or exceed the State and Federal pipeline safety regulations.

## **(2) SoCalGas System and Pipeline Safety Regulations**

### **(2.1) SoCalGas System**

SoCalGas is the nation’s largest natural gas distribution utility, providing safe and reliable energy to 21.6 million consumers through 5.9 million meters in more than 500 communities. The company’s service territory encompasses approximately 20,000 square miles stretching from Visalia in the north to Mexico in the south, and as far east as the California/Nevada border. SoCalGas pipelines transport natural gas from interstate pipeline operators and local California natural gas producers to its customers through pipelines that range in size from 1/2 inch to 36 inches in diameter and operate at pressures from less than 1 to 1,032 psig.

The Department of Transportation (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) defines natural gas pipelines under two categories, “Transmission” or “Distribution”. Transmission pipelines are primarily used to receive gas from suppliers and move it to distribution load centers or to storage facilities. Distribution mains typically operate at lower pressure and are used to deliver gas to customers. These categories are separated primarily by the stress level at which they operate. The Distribution category is further divided into two subcategories: High Pressure Distribution mains, which have a maximum allowable operating pressure greater than 60 psig and Distribution mains and services, which have a maximum allowable operating pressure of 60 psig or less. SoCalGas’ system ends at the outlet of the meter. The pipes that connect the meter to the burner tip are typically referred to as the “house lines” and are not owned or operated by SoCalGas.

The following table summarizes SoCalGas’ system and the pipelines that are within the Country of Los Angeles.

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

SoCalGas Pipeline Mileage	Transmission	High Pressure Distribution	Mains and Services	Total
Steel	2,741	714	43,920	47,375
PE Plastic	0	0	55,953	55,953
Copper	0	0	0	0
SoCalGas Total System:	2,741	714	99,873	103,328

Miles Within County of Los Angeles*	Transmission	High Pressure Distribution	Mains and Services	Total
Steel	646	697	19,809	21,152
PE plastic	0	0	20,848	20,848
Copper	0	0	0	0
LA County SoCalGas System:	646	697	40,657	42,000

\*This mileage includes unincorporated LA county and 86 incorporated cities in LA county including Harbor City. This also includes public and private property mileage and should not be used for estimating franchise fees.

SoCalGas does not allow pipelines manufactured from Polyethylene (PE) plastic to be operated above 60 psig. All pipelines operated above 60 psig are steel, which is more resistant to excavation damage. Per California Government Code Title 1, Division 5, Chapter 3.1 “Protection of Underground Infrastructure,” natural gas pipelines that operate above 60 psig are also classified as a “high priority subsurface installation”.

## **(2.2) Pipeline Safety Regulations**

PHMSA, acting through the Office of Pipeline Safety (OPS), administers the national safety regulatory program for transportation of natural gas by pipeline. The regulations for gas transmission and distribution pipelines are published in the Code of Federal Regulations, 49 CFR Part 192. The pipeline safety regulations cover the design, construction, inspection, testing, operation, and maintenance of pipeline facilities as well as set out parameters for administering pipeline safety programs.

The CPUC has adopted PHMSA’s federal regulations in General Order 112-F and is certified annually by PHMSA to perform inspection and enforcement activities of intrastate natural gas pipeline operators. SoCalGas is an intrastate operator of natural gas pipelines and is under the CPUC’s jurisdiction.

SoCalGas is responsible for the regular inspection of all its natural gas pipelines. The

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

CPUC conducts audits of the design, construction, maintenance and operations practices of SoCalGas to verify that SoCalGas is in compliance with state and federal law. In the event of a violation of the regulations, the CPUC has the authority to impose penalties or other remedies.

Other organizations such as the American Society of Mechanical Engineers (ASME), American Gas Association (AGA), American Petroleum Institute (API) and the National Association of Corrosion Engineers (NACE) publish industry codes, standards, and recommended practices for designing, constructing, maintaining and operating natural gas pipelines. In some cases, these publications are incorporated by reference into the state and federal regulations. When they are not incorporated into these regulations, SoCalGas incorporates pertinent practices into its policies and procedures, which are audited by the CPUC.

## **(3) Pipeline Safety Activities**

SoCalGas maintains and operates its pipelines in accordance with the safety regulations prescribed in CPUC General Order 112-F. Following is a summary of the primary pipeline safety activities and where applicable, the frequency at which they are performed. Additional information can be found in 49 CFR Part 192.

### **(3.1) Odorization**

In its native state natural gas is typically odorless. In compliance with regulations and as a primary safety measure, SoCalGas adds chemical compounds to the gas. These chemical compounds produce the distinctive odor associated with natural gas and serve to detect a gas leak. Odor strength is maintained at a level so that gas may be readily detectable.

The odor level is monitored at least monthly at representative locations for verification of odorization adequacy. The CPUC audits SoCalGas' compliance with odorization requirements annually.

### **(3.2) Leak Surveys**

SoCalGas conducts leak surveys of its pipelines at frequencies that are specified in the regulations. These surveys are typically conducted using combustible gas detectors. In the County of Los Angeles, Company personnel walk along the entire path of the buried pipelines with this equipment. Leak indications are recorded and assigned a priority code based upon the concentration of gas recorded by the instrument as well as other relevant factors that may exist in proximity to its location. The highest priority leaks are continuously monitored and repaired promptly. Small leaks that pose little threat to the public are monitored and repaired based on operating conditions.

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

Leak surveys of the different categories of pipeline and locations are summarized as follows:

Pressure	Operating Location or Operating Status	Frequency
Medium Pressure	Main Located Within a Business District	At least once each calendar year
	Main Located Outside of a Business Districts and cathodically unprotected.	At least once every 3 calendar years
	All other medium pressure main located outside a Business District and associated services	At least once every 5 calendar years
High Pressure (over 60 psig)	All high-pressure pipe <b>not</b> including DOT-T Pipe	At least once each calendar year
DOT Defined Transmission Pipe (DOT-T)	Located in Non-HCA, Class 3	At least twice each calendar year
	Located in Non-HCA, Class 4	At least 4 times each calendar year
	Cathodically Unprotected Pipe, located in All Classes	At least 4 times each calendar year
	All other DOT-T Pipe	At least twice each calendar year

Shorter intervals will apply when certain conditions exist at highway and railroad crossings.

The CPUC audits SoCalGas' leak survey activities annually.

### **(3.3) Pipeline Patrols**

Pipeline patrols are performed to look for indications of pipeline leaks, missing pipeline markers, construction activity and other factors that may threaten the pipeline.

These patrols are required at different frequencies dependent upon the type of facility and its location as follows:



# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

Transmission Line Locations	Patrol Frequency
Locations with 10 or fewer dwellings intended for human occupancy within 660 feet of the pipeline	Annually
Locations with more than 10 and fewer than 46 dwellings intended for human occupancy within 660 feet of the pipeline	Annually
Locations with 46 or more dwellings intended for human occupancy within 660 feet of the pipeline	Twice Per Year
Locations where 4 story buildings are prevalent	4 Times Per Year

The CPUC audits SoCalGas' pipeline patrol activities annually.

### **(3.4) Corrosion Control**

#### **(3.4.1) External Corrosion Control of Buried Pipe**

Regulation requires that buried steel pipelines installed after July 31, 1971 have an external protective coating and a cathodic protection system. The primary means for protecting buried pipelines from external corrosion where a corrosive soil is present is the application of a protective coating. The secondary means is the application of cathodic protection (CP) systems.

CP is a technology that uses direct electrical current to counteract the normal external corrosion of a metal pipeline. Pipeline coatings prevent corrosive environments from coming in contact with the surface of the pipeline while CP systems protect the steel should any voids in the coating exist. The proper application of pipeline coatings and CP systems, working in concert, can virtually eliminate external corrosion of pipelines. Cathodically protected pipe is monitored on an annual basis to verify the CP system is functioning properly.

Buried steel pipelines that were installed prior to July 31, 1971 and are not cathodically protected are leak surveyed at a greater frequency. SoCalGas uses the results of these leak surveys to determine if there is a need to address pipe corrosion.

The CPUC audits SoCalGas' compliance with external corrosion control requirements annually.

#### **(3.4.2) External Corrosion Control of Above Ground Pipe**

Regulations require pipelines that are exposed to the atmosphere have a suitable coating or

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

paint to prevent atmospheric corrosion. Piping exposed to the atmosphere is inspected for corrosion at least once every three years.

The CPUC audits SoCalGas' compliance with atmospheric corrosion control requirements annually.

### **(3.4.3) Internal Corrosion Control of Pipe**

Regulations require that monitoring for internal corrosion be performed when a corrosive gas is being transported. SoCalGas manages the quality of the gas in its system and the systems' operation to prevent internal corrosion. SoCalGas monitors for internal corrosion through the use of sensors that are either installed within the pipeline or attached to the pipeline to detect corrosion.

The CPUC audits SoCalGas' compliance with internal corrosion control requirements annually.

### **(3.5) Valve Maintenance**

SoCalGas performs maintenance and inspection activities on all valves that may be necessary for the safe operation of its natural gas system. These valves include system isolation valves, inlet and outlet valves to regulator stations, bridge approach valves and high pressure line sectionalization valves. All identified valves are checked and serviced at least once each calendar year. Routine maintenance and inspection activities include:

- Valve casing leak detection
- Proper valve identification is present
- Valves are adequately lubricated
- Valve operation is verified

Any issues requiring immediate action are properly addressed. All required follow-up work is managed through the issuance of an appropriate work order to perform needed repair or maintenance activities.

The CPUC audits SoCalGas' compliance with valve maintenance requirements annually.

### **(3.6) Vault Maintenance**

Underground vaults typically house pressure regulating or pressure limiting equipment. The purpose of the vault is to allow access to the equipment for inspection, maintenance, and repair activities. SoCalGas performs routine maintenance and inspection on all underground vaults within the County of Los Angeles. Vault maintenance normally coincides with the scheduled maintenance of the equipment housed within the vault. These inspections are

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

completed once per year. Routine maintenance and inspection activities for underground vaults include:

- Proper operation of ventilation equipment, if so equipped
- Structural condition of vault walls, floor, ladders, steps, handrails, etc.
- Structural condition and operation of cover, including hinges and locking devices
- Correct for any presence of water, trash or other foreign substances

Any issues requiring immediate action are properly addressed. All required follow-up work is managed through the issuance of an appropriate work order to perform needed repair or maintenance activities.

The CPUC audits SoCalGas' compliance with vault maintenance requirements annually.

### **(3.7) Bridge/Span Maintenance**

To efficiently traverse heavily congested areas such as those found in the County of Los Angeles, SoCalGas occasionally must design its gas piping system to cross over obstacles rather than go underneath them. These crossings are typically due to freeways, highways, rivers, and drainage channels. Special design criteria are mandated and utilized for these crossings depending on the agencies involved (for example, Caltrans and railroad utilities).

Bridge and span crossings can be of many different configurations. Some of the more common types of crossings are pipe hangers on the side or underneath a bridge structure, or installed within an enclosed "cell" of a bridge. Regardless of the crossing type, routine inspection and maintenance of all crossings are performed at least once every three years.

Routine maintenance and inspection activities for bridge and span crossings include indications of:

- Gas leakage
- External corrosion
- Stress on pipe (Mis-aligned hangers or straps, etc)
- Deterioration of protective coating
- Compromised pipe supports
- Soil erosion
- Damage to pipe
- Other conditions that might affect the operation or safety of the pipe

Any issues requiring immediate action are promptly and properly addressed. All required follow-up work is managed through the issuance of an appropriate work order to perform needed repair or maintenance activities.

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

The CPUC audits SoCalGas' compliance with bridge and span inspection requirements annually.

## **(3.8) Over Pressure Protection**

Each pipeline system within the County of Los Angeles receives supply from higher pressure pipelines connected to the integrated system. Equipment exists between systems to regulate and control the pressure in each pipeline. Failure of pressure control equipment could result in the accidental over-pressurization of pipelines not designed to withstand the higher pressure of the upstream system. Accordingly, the pipeline systems are equipped with appropriate secondary pressure relieving, regulating, or limiting devices that will activate in the event the primary pressure control device fails. The design and use of all gas pressure relieving devices conforms to appropriate agency regulations and orders. These devices have sufficient capacity and are set to prevent the over pressurization of pipe and pipeline components commensurate with regulatory requirements.

Pressure relief devices at pressure limiting stations and pressure regulating stations must have sufficient capacity to protect the facilities to which they are connected. Each pressure limiting station, relief device (except rupture discs), signaling device, and pressure regulating station and its equipment must be inspected once per year. These inspections verify that the equipment is:

- In good mechanical condition
- Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed
- Set to control or relieve at the correct pressure consistent with the pressure limits of applicable regulatory requirements
- Properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation

Any defective or inadequate equipment found must be promptly repaired or replaced.

The CPUC audits SoCalGas' compliance with over pressure protection requirements annually.

## **(3.9) Integrity Management Programs**

In 2003 and 2009 PHMSA added requirements to 49 CFR 192 for Transmission Pipeline and Distribution Pipeline respectively. These requirements were incorporated into CPUC General Order 112-F and are in addition to the regulations that were in effect previously. For affected operators such as SoCalGas, an integrity management plan must be developed and a program put into practice. Specifics for these two programs are as follows:

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

## **(3.9.1) Transmission Integrity Management Program**

By December 17, 2004 all operators of natural gas transmission pipeline that are in a high consequence area (HCA) were required to have an initial integrity management program that included the following elements:

- Identification of high consequence areas
- A plan to perform integrity assessments of the transmission piping in high consequence areas
- Identification of integrity threats to transmission piping in high consequence areas
- Provisions to remediate conditions found during and integrity assessment
- A process for continual evaluation and assessment
- Record keeping and reporting provisions
- A quality assurance process

A high consequence area is generally an area within a specified distance of a pipeline that has 20 or more buildings intended for human occupancy or an identified site. Identified sites include areas such as beaches, playgrounds and recreational facilities.

The integrity assessments of transmission pipelines in accordance with these new requirements are in process. This ongoing program will continue to assess the pipe's condition and fitness for service. As part of this program, the initial assessment of high consequence area pipelines will be completed by December 2012. SoCalGas is on schedule to complete these assessments, and as of December 2010, had completed assessments of approximately 75% of its pipeline system within HCAs.

SoCalGas' transmission integrity management program was last audited by the CPUC in August 2017.

## **(3.9.2) Distribution Integrity Management Program**

By August 2, 2011 all operators of natural gas distribution pipelines are required to have an integrity management plan that includes the following elements:

- Demonstration of an understanding of its gas distribution system developed from reasonably available information.
- Consideration of the threats to each gas distribution pipeline such as corrosion, excavation damage, material, weld or joint failure equipment failure, and other concerns that could threaten the integrity of its pipeline.
- Determination of the relative importance of each threat, the likelihood of failure associated with each threat, and the potential consequences of such a failure.

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

- Identification and implementation of measures designed to reduce the likelihood and consequences of pipeline failure. These measures must include an effective leak management program.
- The measurement of performance, monitoring of results, and evaluation of effectiveness.
- Determination of the appropriate period for conducting complete program evaluations based on the complexity of its system and changes in factors affecting the risk of failure.
- Annual reports to PHMSA and state pipeline safety authority (CPUC), containing specified information.

## **(4) Public Awareness and Emergency Response**

SoCalGas has an extensive public awareness program and a long history of providing safety information to its customers. In addition, there have been specific regulations that require pipeline operators to provide information about:

- Damage prevention awareness for excavators and land developers
- Emergency preparedness for fire, police, and public officials
- Awareness of hazards and leak recognition and response to residents along the pipeline system

In 2006 new requirements went into effect requiring a detailed and comprehensive Public Awareness Program. SoCalGas' written plan was approved by the DOT and CPUC in 2007. The program:

- Complies with American Petroleum Institute's (API) Recommended Practice (RP) 1162.
- Requires education of the public, government organizations, and excavators about:
  - 811 one-call notification system to be used prior to excavation and other damage prevention methods
  - Possible hazards associated with unintended releases from a pipeline facility
  - Physical indications of a pipeline release
  - Public safety measures in the event of a pipeline release
  - Procedures to report a pipeline release

The program identifies the specific audiences to be considered for communication, the frequency of the communication for each audience, and the method to deliver the safety information. The effectiveness of these communications must also be evaluated. Many audiences receive SoCalGas communications, including:

- Customers
- Excavators and Land Developers

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

- Farmers
- Public Officials – School Districts, Colleges, City and County Managers
- Emergency Officials
- Residents and Places of Congregation along the Transmission lines
- Residents within the Distribution service territory
- Residents near Compressor Stations and Underground Natural Gas Storage Fields

## **(4.1) Communications**

The frequency of communications to each audience ranges from twice a year to every 3 years. The table below provides a summary of the specific messages types, delivery method(s), and frequency of communication for each audience.

<b>Audience:</b> Customers	<b>Required Frequency:</b> Twice per year	<b>Delivery Method:</b> Bill inserts or emails to paperless billing customers in English and Spanish
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures undertaken by the operator</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• Pipeline location information</li> <li>• One-Call System (811) requirements</li> <li>• Integrity Management program summary</li> <li>• Right of way encroachment prevention</li> <li>• Availability of National Pipeline Mapping System</li> <li>• Major maintenance/construction activity, as needed</li> <li>• Odor fade</li> <li>• Maintain your gas lines</li> </ul>		
<b>Audience:</b> Non-Customers and Places of Congregation along Transmission Lines	<b>Required Frequency:</b> Every 2 years	<b>Delivery Method:</b> Mailed brochure
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures taken</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• Pipeline location information &amp; availability of National Pipeline Mapping System (NPMS)</li> <li>• One-Call System (811) requirements</li> </ul>		

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

- Integrity Management program overview
- Right of way encroachment prevention
- Major maintenance/construction activity
- Odor Fade

<b>Audience:</b> Residents in Distribution Service Territory	<b>Required Frequency:</b> Annual	<b>Delivery Method:</b> Press releases, non-paid media
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures taken</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• Odor fade</li> </ul>		
<b>Audience:</b> Vietnamese, Chinese, Korean Communities	<b>Required Frequency:</b> Annual	<b>Delivery Method:</b> Print advertisement campaign in native languages
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures taken</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> </ul>		
<b>Audience:</b> Excavators and Land Developers	<b>Required Frequency:</b> Annual	<b>Delivery Method:</b> Mailed brochure to all excavators in SoCalGas territory.
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures taken</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• One-Call System (811) requirements, including that it's the law in California</li> <li>• Pipeline Location information &amp; availability NPMS</li> <li>• Odor Fade</li> </ul>		
<b>Audience:</b> Excavators	<b>Required Frequency:</b> 8 per year in SoCalGas service territory	<b>Delivery Method:</b> Co-sponsor USA DigAlert Meetings
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures taken</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> </ul>		



# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

<ul style="list-style-type: none"> <li>• How to get additional information</li> <li>• One-Call System (811) requirements</li> <li>• Pipeline Location information &amp; availability of NPMS</li> <li>• Odor Fade</li> </ul>		
<b>Audience:</b> Emergency Officials/County Coordinators	<b>Required Frequency:</b> Annual	<b>Delivery Method:</b> Meetings or email with Emergency Officials/County Coordinators. Additionally, SoCalGas is a member of Pipeline Association for Public Awareness (PAPA) which sends an annual Emergency Responder Guidelines booklet that contains safety information for responding to pipeline emergencies.
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures undertaken by operator</li> <li>• Damage prevention awareness</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• Emergency preparedness communications and contacts</li> <li>• Pipeline location information and availability on NPMS</li> <li>• Potential Hazards of product transported</li> <li>• Integrity Management program overview</li> <li>• Major maintenance/construction activity, as needed</li> <li>• Odor Fade</li> </ul>		
<b>Audience:</b> Residents near Compressor and Storage Stations (660 ft)	<b>Required Frequency:</b> Every 2 years	<b>Delivery Method:</b> Mailed letter and/or brochure
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Integrity Management program overview</li> <li>• Incident response notification and evacuation (if appropriate)</li> <li>• Facility Purpose, location &amp; description</li> <li>• Assurance security has been considered</li> <li>• </li> </ul>		
<b>Audience:</b> Public Officials (City and County Managers) in High Consequence Areas (HCAs)	<b>Required Frequency:</b> Annual	<b>Delivery Method:</b> Meetings or Email
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures undertaken by the operator</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> </ul>		

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

<ul style="list-style-type: none"> <li>• One-Call System (811) requirements</li> <li>• Emergency Preparedness communication</li> <li>• Pipeline location information &amp; availability of NPMS</li> <li>• Integrity Management program overview</li> <li>• Right of way encroachment prevention (supplemental)</li> <li>• Major maintenance/construction activity as needed (supplemental)</li> <li>• Odor Fade (supplemental)</li> </ul>		
<b>Audience:</b> Public Officials (City Managers) in Non-HCA cities	<b>Required Frequency:</b> Every 3 Years	<b>Delivery Method:</b> Meetings or Email
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures undertaken by the operator</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• One-Call System (811) requirements</li> <li>• Emergency Preparedness communications</li> <li>• Pipeline location information &amp; availability of NPMS</li> <li>• Right of way encroachment prevention</li> <li>• Major maintenance/construction activity, as needed</li> <li>• Odor Fade</li> </ul>		
<b>Audience:</b> School Officials	<b>Required Frequency:</b> Every 2 years	<b>Delivery Method:</b> Email
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• Pipeline purpose and reliability</li> <li>• Awareness of hazards and prevention measures undertaken by the operator</li> <li>• Leak recognition and response</li> <li>• How to get additional information</li> <li>• One-Call System (811) requirements</li> <li>• Emergency Preparedness communications</li> <li>• Pipeline location information &amp; availability of NPMS</li> <li>• Integrity Management program overview</li> <li>• Right of way encroachment prevention</li> <li>• Major maintenance/construction activity, as needed</li> <li>• Odor Fade</li> </ul>		
<b>Audience:</b> All	<b>Required Frequency:</b> Annual	<b>Delivery Method:</b> Press Release on 8/11 and Company Bumper Stickers
<b>Message Types:</b> <ul style="list-style-type: none"> <li>• One-Call System (811)</li> </ul>		

# Pipeline Safety Activities Performed By Southern California Gas Company Within the County of Los Angeles

## **(4.2) SoCalGas Website**

SoCalGas also refers all audiences in its Public Awareness communications to its safety website [www.socalgas.com/safety](http://www.socalgas.com/safety) for additional information. This site has been recently updated to include the latest safety information for all targeted audiences.

SoCalGas now provides maps of its high-pressure transmission and distribution pipelines on its website. This allows Los Angeles County residents the ability to locate the general location of high pressure natural gas pipelines operated by SoCalGas.

## **(4.3) Background on Pipeline Safety Enhancement Plan**

On June 12, 2014, the California Public Utilities Commission (CPUC) approved SoCalGas' and SDG&E's joint PSEP. The PSEP work is in response to requirements adopted by the State of California and the CPUC to enhance the safety of California's natural gas transmission pipeline system.

PSEP is one of the largest pipeline safety projects in the U.S. As required by the CPUC, all natural gas pipelines in the SoCalGas transmission system that have not already been tested, or do not have adequate records of a pressure test, will be tested or replaced.

The current phase of PSEP calls for SoCalGas to hydrostatically pressure test or replace about 182 miles of transmission pipelines in populated areas, and retrofit over 300 valves to be automatically or remotely controlled.

Safety is, and has always been paramount at SoCalGas and SDG&E, and the Pipeline Safety Enhancement Plan enhances the system integrity and further protects customers and employees. Safety is a core value that the company demonstrates through action and investment. SoCalGas' five-year capital plan includes \$6 billion in infrastructure investments. In 2017 alone, SoCalGas is investing approximately \$1.2 billion to improve the safety, performance and reliability of its pipeline system and infrastructure. Upgrading our system ensures we can continue to reliably provide the natural gas service our customers count on.

## **(4.4) Communications with the County of LA.**

SoCalGas has collaborative working relationship with LA County emergency responders. A representative from Emergency Services meets with the County Coordinator annually to review important pipeline safety information. Additionally, SoCalGas operations, public affairs and emergency response staff offer to meet with each fire station within the County. Due to the ever-lengthening fire season, SoCalGas defers to the station on whether the meeting is critical for knowledge transfer and if a meeting request is declined, a record is

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maintained. SoCalGas also liaisons with law enforcement on a regular basis. Finally, trained SoCalGas personnel are ready to respond to the County's Emergency Operations Center (EOC) during an emergency activation.

The table below summarizes SoCalGas' communications with other various audiences within the County of Los Angeles.

<b>Audience</b>	<b>Communication</b>
Emergency Officials	Annual meeting with LA County Coordinator
Emergency Responders	Emergency Exercises <ul style="list-style-type: none"> <li>• Seismic Preparedness Joint Tabletop with CalOES, California Emergency Utilities Association, Southern California Edison and county emergency operations centers</li> <li>• Seismic Preparedness Functional Exercises with CalOES, FEMA, Southern California Edison, Metropolitan Water District and county emergency operations centers</li> </ul>
Customers	Semi-annual bill insert
	Semi-annual safety email for paperless bill customers
Public Officials	County CEO, PIO and DPW meeting or annual email re: Mandatory Federal Pipeline Safety Notice
School Districts and Colleges	Annual safety information
Excavators/Land Developers	Annual brochure mailed to excavators in service territory
	SoCalGas holds joint excavator meetings with USA DigAlert
Residents in Service Territory	Targeted with annual Press Releases
All	Annual Press Release on 8/11 to Call 811 before digging
	Advertise 811 with SoCalGas Bumper Stickers
	As a member of USA DigAlert Board of Directors, SoCalGas advocates enhancements for Damage Prevention
	Provide detailed safety information on <a href="http://Socalgas.com/safety">Socalgas.com/safety</a> website

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## **(4.5) Pipeline Association for Public Awareness (PAPA)**

SoCalGas is a member of the Pipeline Association for Public Awareness (PAPA). PAPA annually provides Pipeline Emergency Response guidelines to the following officials:

<b>AGENCY</b>	<b>CONTACT TITLE</b>	<b>DEPARTMENT TYPE</b>
AIRPORT POLICE	SENIOR OFFICER	POLICE DEPT
CALIFORNIA HIGHWAY PATROL 911 - PD	COMMUNICATIONS SUPERVISOR	PSAP
CALIFORNIA STATE UNIVERSITY - PD	SENIOR OFFICER	CAMPUS POLICE
CHARLES DREW UNIVERSITY - PD	SENIOR OFFICER	CAMPUS POLICE
CHP SOUTHERN DIV - CENTRAL LOS ANGELES	SENIOR OFFICER	STATE PATROL
CHP SOUTHERN DIV - LOS ANGELES COMMUNICATIONS	SENIOR OFFICER	STATE PATROL
EAST LOS ANGELES STATION 911 - PD	COMMUNICATIONS SUPERVISOR	PSAP
FIRE DEPARTMENT HAZ MAT OFC	SENIOR OFFICER	FIRE DEPT
FIRE STATION 1	SENIOR OFFICER	FIRE DEPT
FIRE STATION 14	SENIOR OFFICER	FIRE DEPT
FIRE STATION 16	SENIOR OFFICER	FIRE DEPT
FIRE STATION 71	SENIOR OFFICER	FIRE DEPT
HEBREW UNION COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
JUSTIN SHRENGER LAW OFFICE AP - PD	SENIOR OFFICER	POLICE DEPT
LA CITY FIRE DEPT	SENIOR OFFICER	FIRE DEPT
LA CITY POLICE DEPT PACIFIC	SENIOR OFFICER	POLICE DEPT
LA FIRE & POLICE PENSION SYST	SENIOR OFFICER	FIRE DEPT
LAPD SOUTHEAST AREA EXPLORER	SENIOR OFFICER	POLICE DEPT
LOS ANGELES AIRPORT - FD	SENIOR OFFICER	AIRPORT FIRE DEPT
LOS ANGELES CITY COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
LOS ANGELES CITY FIRE DEPT	SENIOR OFFICER	FIRE DEPT
LOS ANGELES CITY FIRE DEPT 64	SENIOR OFFICER	FIRE DEPT
LOS ANGELES CNTY FIRE DEPT HDQTRS	SENIOR OFFICER	FIRE DEPT
LOS ANGELES CNTY SHERIFFS 911	COMMUNICATIONS SUPERVISOR	PSAP
LOS ANGELES CNTY SHERIFFS DEPT EAST LOS ANGELES STA	SENIOR OFFICER	SHERIFF DEPT
LOS ANGELES CNTY SHERIFFS DEPT SOUTH LOS ANGELES STA	SENIOR OFFICER	SHERIFF DEPT

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LOS ANGELES COUNTY EMERGENCY MGMT	JOHN FERNANDES	CEMA
LOS ANGELES COUNTY PARK POLICE	SENIOR OFFICER	POLICE DEPT
LOS ANGELES COUNTY PUBLIC WORKS	ERICK BAUELOS	CEMA
LOS ANGELES COUNTY SHERIFF	SENIOR OFFICER	SHERIFF DEPT
LOS ANGELES FIRE DEPT	SENIOR OFFICER	FIRE DEPT
LOS ANGELES FIRE DEPT 51	SENIOR OFFICER	FIRE DEPT
LOS ANGELES FIRE DEPT CITY OFC	SENIOR OFFICER	FIRE DEPT
LOS ANGELES FIRE DEPT STATION	SENIOR OFFICER	FIRE DEPT
LOS ANGELES FIRE DEPT-ARSON	SENIOR OFFICER	FIRE DEPT
LOS ANGELES MISSION COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
LOS ANGELES POLICE ASSESSMENTS	SENIOR OFFICER	POLICE DEPT
LOS ANGELES POLICE COMMUNICATIONS 911	COMMUNICATIONS SUPERVISOR	PSAP
LOS ANGELES POLICE DEPT	SENIOR OFFICER	POLICE DEPT
LOS ANGELES SOUTHWEST COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
LOS ANGELES TRADE-TECH COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
LOS ANGELES WORLD AIRPORTS - PD	SENIOR OFFICER	AIRPORT POLICE DEPT
LOYOLA MARYMOUNT UNIVERSITY - PD	SENIOR OFFICER	CAMPUS POLICE
MARSHALL PURA - PD	SENIOR OFFICER	POLICE DEPT
MOUNT ST MARY'S COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
OCCIDENTAL COLLEGE - PD	SENIOR OFFICER	CAMPUS POLICE
ONTARIO INTL AIRPORT PD	SENIOR OFFICER	AIRPORT POLICE DEPT
UNION PACIFIC RAILROAD PD	SENIOR OFFICER	RAILROAD POLICE
UNIV OF CALIFORNIA LOS ANGELES PD 911	COMMUNICATIONS SUPERVISOR	PSAP
UNIVERSITY OF CALIFORNIA - PD	SENIOR OFFICER	CAMPUS POLICE
UNIVERSITY OF CALIFORNIA PD 911	COMMUNICATIONS SUPERVISOR	PSAP
UNIVERSITY OF SOUTHERN CALIFORNIA - PD	SENIOR OFFICER	CAMPUS POLICE
VAN NUYS AIRPORT PD	SENIOR OFFICER	AIRPORT POLICE DEPT
WEST LOS ANGELES POLICE DEPT	SENIOR OFFICER	POLICE DEPT

## **(4.6) Natural Gas Pipeline Safety Act of 2011**

SoCalGas maintains and operates its pipelines in accordance with the safety regulations prescribed in Assembly Bill 1937/CPUC Code 955.5 which requires notification of not less than 3 working days' notice to the administration of a school, hospital and/or registered licensed day care facility prior to undertaking non-emergency excavation or construction of

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a gas pipeline if the work is located within 500 feet of the school, hospital and/or registered licensed day care facility.

## **(5) Conclusion**

As discussed, SoCalGas, under the CPUC's jurisdiction, operates and maintains its pipelines in accordance with the pipeline safety regulations specified in General Order 112-F. In addition, SoCalGas complies with applicable franchise, permit and other requirements for doing business in the County of Los Angeles.

As the nation's largest natural gas distributor, SoCalGas strives to apply state-of-the-art knowledge in the operation and maintenance of its natural gas pipeline facilities and has a strong safety record. SoCalGas looks forward to a continued strong working relationship with the County of Los Angeles to meet its energy needs.