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January 31, 2016

Mr. Ed Randolph Director, Energy Division California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102

Ms. Elizaveta Malashenko Director, Safety and Enforcement Division California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102

RE: Southern California Gas Company and San Diego Gas & Electric Monthly Pipeline Safety Enhancement Plan Status Report-December 2016

Dear Mr. Randolph and Ms. Malashenko:

Enclosed please find the Monthly Pipeline Safety Enhancement Plan Status Report of Southern California Gas Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E) for December 2016 as required per D.12-04-021. D.12-04-021 requires SoCalGas and SDG&E to provide a Monthly Pipeline Safety Enhancement Plan update to the Commission's Energy Division and Safety and Enforcement Division (formerly CPSD) as our plan is implemented.

Please feel free to contact me should you have any additional questions regarding this report.

Sincerely,

/s/ Brian Hoff

Brian Hoff Regulatory Case Manager

Attachment

CC: Belinda Gatti, CPUC Energy Division Jean Spencer, CPUC Energy Division Sunil Shori, CPUC Safety and Enforcement Division Kenneth Bruno, CPUC Safety and Enforcement Division

December 2016 PSEP Update

I. Introduction

D.12-04-021 directs Southern California Gas (SoCalGas) and San Diego Gas & Electric (SDG&E) to provide monthly Pipeline Safety Enhancement Plan (PSEP) updates to the Commission's Energy Division and Consumer Protection and Safety Division (now Safety and Enforcement Division) as the plan is implemented.¹ Attached is the update for December 2016.

II. Current Status

SoCalGas and SDG&E have undertaken the following PSEP related activities for the month of December:

Pipelines:

- 1. New construction activity began on 1 pipeline project
 - 36-9-09 North Section 5C (Pismo Beach)
- 2. 12 pipeline projects are in Construction (Stage 5)
- 3. 16 pipeline projects are in Start Up/Turnover (Stage 6)
- 4. 31 pipeline projects are in Close-Out (Stage 7)

Valves:

- 1. No new construction activity for the month of December
- 2. 38 valve projects are in construction/turnover (Stages 5-6)
- 3. 8 valve projects are in Close-Out (Stage 7)

III. Costs

Actual costs tracked in SoCalGas and SDG&E's respective Regulatory Accounts are provided in Appendix A and Appendix C.

IV. Attachments

- Appendix A PSEP SoCalGas / SDG&E Active Pipeline Projects List with Cost
- Appendix B PSEP SoCalGas / SDG&E Active Valve Projects List with Cost
- Appendix C Records Review and Interim Safety Measure Costs

¹D.12-04-021, mimeo., at 7 and 12 (Ordering Paragraph No. 4).

V. Notes

- Appendix A, SoCalGas Active Pipeline Projects Table, Footnote K: The difference of \$126K from November to December 2016 project-to-date costs is a result of an accrual adjustment for Line 85
- Appendix A, SoCalGas Active Pipeline Projects Table, Footnote L: The difference of \$1.027M from November to December 2016 project-to-date costs is a result of an accounting adjustment for PSRP Project 3602/1600

Active Projects Listing Pipeline-SoCalGas

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36-9-09 North Section 5 (104)								190
				7-Close-out		Sep-14		26
				7.01		Pak 42		8,724
36-9-09 North Section 5A 7-Close-out Feb-16 1,137 36-0-09 North Section 5A 5-0 contention 5-0 contention 5-0 contention 5-0 contention	1.00							4,463
36-9-09 North Section SC ⁽⁶⁾ 5-Construction Dec-16 576								982
36-9-09 North Section 6A Closed Mar-15 0 26.0.00 North Section 6P 2.0 project Definition Oct. 17 128								2,693
36-9-09 North Section 6B 3-Project Definition Oct-17 138 26-0.00 North Section 7A 6.5 tot Llo/Turpour Son 16 4.317								1,271
36-9-09 North Section 7A 6-Start Up/Turnover Sep-16 4,217 36-9-09 North Section 7B 7-Close-out May-15 (44)								8,946 23,442

SoCalGas and SDGE PSEP Project Status Report to the Commission for December 2016 Appendix A Active Projects Listing

Active Projects Listing							
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Pipeline-SoCalGas Project Lifecycle Stage for December 2016 (1)	Predominant Vintage	Construction Start Date (Est.) Reported in December 2016	December 2016 Actuals (in \$1,000)	Project-to-Date as of December 2016 (in \$1,000)
1011	36	5.14	Closed	1955	Jul-14	-	2,418
36-37	38	0.02	Closed	1970	May-14	-	1,044
42-66-1&2 ⁽¹⁰⁾			Closed		Oct-13		
42-66-1	40	0.04		1947		-	681
42-66-2	41	0.03		1947		-	
37-18 ⁽⁶⁾	45	4.16		1945			
37-18			5-Construction		Oct-14	294	37,325
37-18 Section 5			4-Detailed Design		Mar-17	-	-
37-18-F	46	2.06	6-Start Up/Turnover	1946	Aug-16	77	5,783
37-18-K	12	2.85	3-Project Definition	1949	Jun-17	98	359
30-18 ⁽⁶⁾	47	2.58		1943			
30-18			5-Construction		Jul-14	73	23,259
30-18 Section 3			6-Start Up/Turnover		Oct-16	496	1,061
44-654	50	0.01	Closed	1957	Jun-14	-	1,825
31-09 (13)	52	12.81	7-Close-out	1958	Jul-15	8	38
37-07	53	2.68	7-Close-out	1945	Sep-14	13	26,435
33-121 (REPL) ⁽¹⁴⁾	59	0.16	3-Project Definition	1955	Jun-18	36	1,290
41-6001-2	63	0.005	3-Project Definition	1967	Mar-17	0	246
36-1032 (REPL) ⁽¹⁴⁾	64	1.54	Closed	1963	May-14	-	10,008
36-1032 Section 4	N/A	N/A	4-Detailed Design	1963	Jun-17	99	1,443
41-30-A	80	0.26	Closed	1940	Jul-14	-	431
41-30 (15)	82	3.95	N/A	1953	N/A	-	66
38-200	86	0.23	7-Close-out	1948	Apr-16	103	7,353
45-120X01	87	0.01	Closed	1930	Sep-13		750
38-501 ⁽⁶⁾	89	1.98		1952			
38-501 Section 1			7-Close-out		Jun-15	15	5,184
38-501 Section 2			6-Start Up/Turnover		Aug-16	1,210	13,919
36-1002	96	0.21	7-Close-out	1928	May-15	14	1,769
44-687	99	0.23	7-Close-out	1946	Sep-14	(43)	4,957
38-512 ⁽⁶⁾	106	4.78		1939			
38-512			7-Close-out		Mar-15	(300)	27,018
38-512 Section 3			3-Project Definition		Jun-17	6	221
44-1008 Section 2B ⁽⁸⁾	107	10.06	4-Detailed Design	1937	Oct-17	(9)	1,199
35-20-N	113	0.010	Closed	1929	Aug-14	-	231
38-539	124	12.08	7-Close-out	1964	Oct-14	(0)	15,477
38-556	N/A	N/A	3-Project Definition	N/A	N/A	39	701
36-9-21	126	5.06	3-Project Definition	1950	Sep-17	123	1,000
44-720	132	1.17	7-Close-out	1947	Jun-15	1	9,620
41-116	142	0.006	6-Start Up/Turnover	1957	Oct-16	0	18
225	N/A	N/A	4-Detailed Design	1959	Mar-18	(103)	2,382
235W Sawtooth Canyon	N/A	N/A	Closed	1957	Oct-14	-	1,884
38-931	N/A	N/A	4-Detailed Design	1942	Jan-17	282	1,927
38-504	N/A	N/A	6-Start Up/Turnover	1952	Sep-16	491	5,206
38-514 ⁽⁶⁾	N/A	N/A		1945			
38-514 Section 1			7-Close-out		May-16	55	1,825
38-514 Section 2			7-Close-out		Feb-16	23	11,422
36-9-09 South	N/A	N/A	Closed	1951	Apr-16	67	2,066
36-9-09-JJ	N/A	N/A	7-Close-out	1920	Jun-16	57	1,584
85 ⁽¹³⁾ (K)	N/A	N/A	3-Project Definition		TBD	256	3,334
85 South Newhall	N/A	N/A	7-Close-out	1931	Dec-14	42	8,548
404-406 Somis Station ⁽¹¹⁾	N/A	N/A	4-Detailed Design	1951	Jun-17	(237)	804
Storage (7)	-	2.83		various			
Playa Del Rey Phase 1&2			Closed		Aug-13	-	648
Playa Del Rey Phase 5			Closed		Mar-15	-	1,933
Goleta			4-Detailed Design		Mar-17	12	324
128-P1B-01			2-Selection	46	Sep-17	0	42
36-1001-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1925	Mar-18	0	138
36-1032-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1928	May-18	0	286
PSEP-SL36-1032-P1B-11	N/A	N/A	N/A	N/A	N/A	47	443
PSEP-SL36-1032-P1B-12	N/A	N/A	N/A	N/A	N/A	80	515
PSEP-SL36-1032-P1B-13	N/A	N/A	N/A	N/A	N/A	84	457
PSEP-SL36-1032-P1B-14	N/A	N/A	N/A	N/A	N/A	103	439
36-37-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1927	May-18	7	189
PSEP-SL36-37-P1B-11	N/A	N/A	N/A	N/A	N/A	225	1,621
PSEP-SL36-37-P1B-12	N/A	N/A	N/A	N/A	N/A	71	1,078
PSEP-SL36-37-P1B-11	N/A	N/A	N/A	N/A	N/A	-	
PSEP-SL36-37-P1B-12	N/A	N/A	N/A	N/A	N/A	-	-
36-1002-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1928	Jun-18	16	798
PSEP-SL36-1002-P1B-11	N/A	N/A	N/A	N/A	N/A	22	216
PSEP-SL36-1002-P1B-12	N/A	N/A	N/A	N/A	N/A	-	88
PSEP-SL36-1002-P1B-13	N/A	N/A	N/A	N/A	N/A	-	77
PSEP-SL36-1002-P1B-14	N/A	N/A	N/A	N/A	N/A	-	57

Active Projects Listing

Pipeline-SoCalGas							
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Project Lifecycle Stage for December 2016 ⁽¹⁾	Predominant Vintage	Construction Start Date (Est.) Reported in December2016	December 2016 Actuals (in \$1,000)	Project-to-Date as of December 2016 (in \$1,000)
43-121-P1B-01 (13)	N/A	N/A	3-Project Definition	1930	Oct-18	56	374
45-1001-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1925	Oct-18	50	424
38-931-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1942	Nov-18	2	77
36-9-09N-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1920	Mar-18	(806)	84
PSEP-SL36-9-09N-P1B-12	N/A	N/A				348	717
PSEP-SL36-9-09N-P1B-14	N/A	N/A				280	735
PSEP-SL36-9-09N-P1B-15	N/A	N/A				204	694
PSEP-SL36-9-09N-P1B-16	N/A	N/A				232	726
38-101-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1921	Apr-18	127	947
38-960-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1928	May-18	7	1,518
44-1008-P1B-01 ⁽¹³⁾	N/A	N/A	2-Selection	1937	May-18	34	36
38-143-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1939	Nov-18	119	547
38-1102-P1B-01 ⁽¹³⁾	N/A	N/A	2-Selection	1938	May-18	35	439
7043-P1B-01 ⁽¹³⁾	N/A	N/A	1-Project Initiation	1930	Mar-18	33	111
127-P1B-01 ⁽¹³⁾	N/A	N/A	2-Selection	1944	Apr-18	2	221
1004-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1945	Jul-18	35	457
38-KWB-P1B-01	N/A	N/A	7-Close-out	Various	Oct-15	-	1,676
38-514-P1B-01 ⁽¹³⁾	N/A	N/A	3-Project Definition	1945	Mar-18	15	418
103-P1B-01 ⁽¹³⁾	N/A	N/A	2-Selection	1941	Jan-18	0	35
41-17	57	3.580	5-Construction	1955	Sep-16	65	1,162
235W-P2-01						17	17
Valves- SCG						7,081	154,694
Methane Detectors						-	322
Communications *						(21)	1,063
Construction *						(118)	2,763
Engineering *						1,904	9,551
Training *						11	1,176
Gas Control *						4	74
Environmental *						(3)	444
Supply Management *						(239)	4,233
General Administration *						2,071	15,696
Program Management Office *						(102)	3,934
Total SoCalGas PSEP Pipeline and Valve Projects (K))					32,314	977,987

*General Management and Administration (GMA) pools. Dollars accumulated in GMA pools will be distributed to specific PSEP projects as work occurs on those specific projects.

Overall Financial Notes:

(A) Costs reflect actuals for the month of December and project-to-date costs from May 2012 to December 2016.

(B) Project costs do not reflect year to date actuals. There is some lag time in getting costs posted.

(C) Costs are in nominal direct dollars.

(D) Costs recovery will include indirects and applicable loaders.

(E) As of December 2016, the SoCalGas balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$44,005,494 which includes regulatory account interest and is reduced for costs incurred prior to February 24, 2011 (i.e., the effective date of R.11-02-019), and reflects approximately \$2.5 million of amortization revenues to-date (\$0.6 million monthly).

(F) As of December 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account (PRSMA) reflects a balance of \$84,016 which includes regulatory account interest and is reduced for costs incurred prior to February 24, 2011 (i.e., the effective date of R.11-02-019).

(G) As of December 2016, the SoCalGas balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$108,837,828 which includes balancing account interest and reflects approximately \$14 million of amortization revenues to-date (\$3.5 million monthly).

(H) As of December 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$6,992,763 which includes balancing account interest and approximately \$994k of amortization revenues todate (\$250K million monthly). Pursuant to D.16-08-003, SoCalGas and SDG&E are authorized interim rate recovery of 50% of the recorded balances, reduced by amounts currently under review by the Commission, in their SEEBA, Safety Enhancement Capital Cost Balancing Account (SECCBA) and PSRMA.

(I) As of December 2016, the SoCalGas balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$74,169,562 which includes balancing account interest and reflects approximately \$4.9 million of amortization revenues to-date (\$1.2 million monthly).

(J) As of December 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$12,831,435 which includes balancing account interest and approximately \$825K of amortization revenues to -date (\$200K monthly).

(K) The difference of \$126K from November to December 2016 project-to-date costs is a result of an accrual adjustment for Line 85.

(L) The difference of \$1.027M from November to December 2016 project-to-date costs is a result of an accounting adjustment for PSRP Project 3602/1600.

Project Footnotes:

(1) Stage Categories: - These categories represent seven stages of a pipeline project's lifecycle: Stage 1 Project Initiation, Stage 2 Selection, Stage 3 Project Definition, Stage 4 Detailed Design/Procurement, Stage 5 Construction, Stage 6 Startup/Turn-over, and Stage 7 Close-out.

(2) The number shown, e.g. 67% is the stress level of the majority of the pipe segments.

(3) L-2000, because of it's length, will be remediated in four phases. 2000-A, 2000-Bridge, 2000-C and 2000-West. 2000-C has been regrouped with 2001 West-C and will be executed as one project under "2000-C/2001W-C Desert Bundle." (4) 2001-West will be remediated as three projects: 2001 West-A, 2001 West-B, and 2001 West-C. This pipeline has been broken up into sections to report schedule progress. Part of the project requires separate planning and execution due to either location, permitting or constructability. 2001 West-C has been regrouped with 2000-C and will be executed as one project under "2000-C/2001W-C Desert Bundle."

(5) 2000-0.18-X01, 2000-0.18-X02, and 2000-0.18-BO have been combined and will be remediated as one project under "2000-0.18-BO Crossover Piping".

(6) This pipeline has been broken up into separate projects for reporting schedule progress. Part of the project requires separate planning and execution due to either location, permitting or constructability.

(7) There are numerous storage fields, with too many lines to distinguish predominant pipe diameter, vintage, %SMYS and construction start dates for each Storage line. However Storage field project stage and construction start will only be reported.

(8) Project 44-1008 has been renamed to project "44-1008 Section 2B".

(9) Per PSEP filing, the extension of existing L-6914 (6914 Ext) will allow for the abandonment of 41-6000-2. For the purpose of this appendix, both pipelines will be reported under 41-6000-2.

(10) Projects "42-66-1" and "42-66-2" have been merged as one project "42-66-1&2".

(11) Project "Somis Station" has been renamed to "404-406 Somis Station".

(13) Construction start dates and lifecycle stages for Phase 1B projects are as of March 2016 and may be forecasted to change pending final CPUC approval

(14) Project name has been changed to include "(REPL)" at the end of the project name

(15) Project 41-30 is in the process of being descoped.

⁽¹²⁾ Projects "36-9-09 North Section 4" has been split into separate sections known as "36-9-09 North Section 4A" and "36-9-09 North Section 4B". the construction start dates and Project Life cycle Stages were switched between the projects for the month of November have been corrected in December.

Active Projects Listing

Pipeline-SDG&E							
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Project Lifecycle Stage for December 2016 (1)	Predominant Vintage	Construction Start Date (Est.) Reported in December 2016	December 2016 Actuals (in \$1,000)	Project-to-Date as of December 2016 (in \$1,000)
Line 1600 South	N/A	N/A	N/A	N/A	N/A	0	444
PSRP Line 1600/3602 (17)	N/A	47.00	4-Detailed Design		TBD	2,130	18,279
49-28	1	4.89	5-Construction	1932	Sep-14	315	37,025
49-17	2	5.812		1948			
49-17 East			5-Construction		Jun-15	2,807	50,394
49-17 West			5-Construction		Oct-14	333	18,761
49-25	4	2.278	6-Start Up/Turnover	1960	Aug-14	255	21,238
49-32 (REPL) ⁽¹⁴⁾	5	0.06	Closed	1950	Jun-14	2	3,577
49-16 ⁽⁶⁾	6	9.590		1955			
49-16 Pipeline			5-Construction		Mar-15	294	10,976
49-16 4th & Palm			4-Detailed Design		Jun-17	18	470
49-16 Gate Station			4-Detailed Design		Jun-17	18	321
49-11	7	6.30	7-Close-out	1969	Jun-15	26	5,225
49-26	10	2.615	5-Construction	1958	Oct-14	1,058	30,328
49-14	14	2.45	Closed	1959	Sep-14	1	4,047
49-15 (6)	15	6.60		1950			
49-15 (REPL)			6-Start Up/Turnover		Nov-15	2,691	24,716
49-15 Transmission			6-Start Up/Turnover		Nov-15	90	6,096
49-22	16	4.04	Closed	1951	Apr-14	(0)	4,055
49-13	18	3.46	6-Start Up/Turnover	1959	Jul-15	849	22,180
49-32-L	N/A	0.115	5-Construction	1965	Aug-16	337	5,154
49-20	3	0.040	N/A	N/A	Feb-17	-	
Valves						892	6,765
Methane Detectors						-	104
Communications *						(1)	17
Construction *						(50)	105
Engineering *						(33)	187
Training *						-	57
Gas Control *						(2)	8
Environmental *						0	41
Supply Management *						215	439
General Administration *						136	1,343
Program Management Office *						(70)	117
Total SDG&E PSEP Pipeline and Valve Projects ^(L)						12,309	272,467

*General Management and Administration (GMA) pools. Dollars accumulated in GMA pools will be distributed to specific PSEP projects as work occurs on those specific projects.

Overall Financial Notes:

(A) Costs reflect actuals for the month of December and project-to-date costs from May 2012 to December 2016

(B) Project costs do not reflect year to date actuals. There is some lag time in getting costs posted.

(C) Costs are in nominal direct dollars.

(D) Costs recovery will include indirects and applicable loaders.

(E) As of December 2016, the SoCalGas balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$44,005,494 which includes regulatory account interest and is reduced for costs incurred prior to February 24, 2011 (i.e., the effective date of R.11-02-019),and reflects approximately \$2.5 million of amortization revenues to-date (\$0.6 million monthly).

(F) As of December 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account (PRSMA) reflects a balance of \$84,016 which includes regulatory account interest and is reduced for costs incurred prior to February 24, 2011 (i.e., the effective date of R.11-02-019).

(G) As of December 2016, the SoCalGas balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$108,837,828 which includes balancing account interest and reflects approximately \$14 million of amortization revenues to-date (\$3.5 million monthly).

(H) As of December 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$6,992,763 which includes balancing account interest and approximately \$994k of amortization revenues todate (\$250K million monthly). Pursuant to D.16-08-003, SoCalGas and SDG&E are authorized interim rate recovery of 50% of the recorded balances, reduced by amounts currently under review by the Commission, in their SEEBA, Safety Enhancement Capital Cost Balancing Account (SECCBA) and PSRMA.

(I) As of December 2016, the SoCalGas balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$74,169,562 which includes balancing account interest and reflects approximately \$4.9 million of amortization revenues to-date (\$1.2 million monthly).

(J) As of December 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$12,831,435 which includes balancing account interest and approximately \$825K of amortization revenues to -date (\$200K monthly).

(K) The difference of \$126K from November to December 2016 project-to-date costs is a result of an accrual adjustment for Line 85.

(L) The difference of \$1.027M from November to December 2016 project-to-date costs is a result of an accounting adjustment for PSRP Project 3602/1600.

Project Footnotes:

(6) This pipeline has been broken up into separate projects for reporting schedule progress. Part of the project requires separate planning and execution due to either location, permitting or constructability.

(14) Project name has been changed to include "(REPL)" at the end of the project name.

(17) The Pipeline Safety and Reliability Project (PSRP) (Line 1600/3602) was previously added to Appendix A and is the subject of Application 15-09-013 for a Certificate of Public Convenience and Necessity, which was filed consistent with D. 14-06-007 and is pending Commission review. Line 85 North and Line 85 South have been added and combined in Appendix A as Line 85.

Projects Remediated or Removed

Pipeline-SoCalGas

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Pipeline-SoCalGas						
Pipeline Project	December 2016 Actuals (in \$1,000)	Project-to-Date as of December 2016 (in \$1,000)				
Line 36-8-01	-	-				
Line 36-8-01-C	-	-				
Line 36-8-06	-	-				
Line 36-9-06	-	-				
Line 36-9-06-A	-	-				
Line 37-04	-	-				
Line 37-18 J	(43)	(1)				
Line 38-508	-	-				
Line 38-516	-					
Line 38-523	-	55				
Line 38-528	-	22				
Line 38-552	-	-				
Line 38-959	-	-				
Line 41-116BP1	-	8				
Line 41-117	-	-				
Line 41-181	- (22)	28				
Line 41-19 Line 41-25	(33)	1				
	-					
Line 41-201 Line 41-207BR1	- (81)	3 (6)				
Line 41-20/BR1 Line 41-35-1-KST2	(81)					
Line 41-85-1-K512 Line 41-80	-	- 41				
Line 44-30 Line 44-719	-	41				
Line 1003	-					
Line 1003 Line 1003LT2	-	-				
Line 1003172 Line 1017BP1	-					
Line 10178P1 Line 10178P2	-	-				
Line 10178P3	-	-				
Line 1017874	-	-				
Line 1017BR5	-	-				
Line 1017866	-					
Line 101787	-					
Line 1018	-					
Line 1020	-	85				
Line 1024	-	2				
Line 1025	-					
Line 1171172	-	-				
Line 1171LT18P2	-	0				
Line 1172 BP25T1	-	-				
Line 1172 BP2ST2	-	2				
Line 1172 BP25T3	-	-				
Line 1172 BP2ST4	-	-				
Line 1172 BP3	-	-				
Line 1172 ID 2313	-	13				
Line 169	-	-				
Line 235 East	-	8				
Line 247	-	18				
Line 2001 East	-	92				
Line 3000-261.73-80	-	-				
Line 3000-261.73-BR	-	-				
Line 30-02	-	-				
Line 30-02-U	-	-				
Line 30-09-A	-	-				
Line 30-6200	-	-				
Line 30-32	-	-				
Line 30-6209	-	-				
Line 30-6292	-	-				
Line 30-6543	-	-				
Line 30-6799	-	-				
Line 30-6799BR1	-	-				
Line 317	-	-				
Line 32-90	-	-				
Line 35-10	-	-				
Line 35-20 Line 35-20-A	-	- 15				
	-	- 15				
Line 35-20-A1 Line 35-22	-	-				
Line 35-22 Line 35-39	-	-				
LINE 35-39 Line 35-40	-	-				
Line 35-40	-	-				
Line 35-6416	-	-				
Line 35-6520	(38)	-				
Line 35-0520	(38)	- 0				
Line 36-5588	-	-				
Line 36-7-04	-					
Line 36-9-21BR1	-					
Entry SU S Exona	-	-				

Projects Remediated or Removed

Pipeline-SoCalGas					
Pipeline Project	December 2016 Actuals (in \$1,000)	Project-to-Date as of December 2016 (in \$1,000)			
Line 37-49	-	-			
Line 37-6180	-	-			
Line 38-351	-	-			
Line 408XO1	-	-			
Line 41-04-I	-	8			
Line 41-05	-	4			
Line 41-05-A	-	-			
Line 41-101	-	-			
Line 41-128	-	-			
Line 41-141	-	-			
Line 41-17-A2	-	4			
Line 41-17-F	-	(0)			
Line 41-17-FST1	-	-			
Line 41-198	-	-			
Line 41-199	-	-			
Line 41-25-A	-	-			
Line 41-55	-	-			
Line 41-83	-	-			
Line 41-84	-	-			
Line 41-84-A	-	-			
Line 41-90	-	-			
Line 41-6045	-	48			
Line 41-6501	(34)	-			
Line 42-12	-	-			
Line 42-46	-	-			
Line 42-46-F	-	-			
Line 42-57	-	-			
Line 43-1106	-	-			
Line 43-34	-	-			
Line 45-163	-	1			
Line 53	-	-			
Line 6100	-				
Line 765-8.24-BO	-	-			
Line 765BR4	-	-			
Line 775	-	-			
Line 775B01	-				
Line 8107	-				
Line 4000	-	-			
Total SoCalGas PSEP Pipeline Projects - Remediated or Removed	(229)	448			

Projects Remediated or Removed

Pipeline-SDG&E		
Pipeline Project	December 2016 Actuals (in \$1,000)	Project-to-Date as of December 2016 (in \$1,000)
Line 49-18	-	-
Line 49-19	-	-
Line 49-27	-	-
Line 49-32 (Test)	-	-
Total SDG&E PSEP Pipeline Projects - Remediated or Removed	-	-

Appendix B - Active Valve Projects List							
Valve Projects	Dec-16 No. of Valves ⁽¹⁾	December-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in December-16	December-16 Total (in \$1,000)	Project-To-Date Total (in \$1,000)		
	Valles	Valves-SoCalGas		((\$2)000)		
Bain Street Station	2	Closed	Dec-13	-	883		
Chino Station	5	Closed	Dec-13	-	997		
Moreno Small	2	Closed	Jan-14	-	710		
Prado Station	5	Closed	Jan-14	-	1,207		
Haskell Station	2	Closed	Jan-14	-	698		
Moreno Large	1	Closed	Jan-14	-	505		
Whitewater Station	3	Closed	Mar-14	-	702		
Santa Fe Springs	3	Closed	Mar-14	-	723		
Arrow & Haven	1	Closed	May-14	-	965		
235 - 335 Palmdale	6	Closed	Jun-14	(1)	6,771		
Puente Station	2	Closed	Jan-14	-	16		
Brea Station-1013	1	Closed	Oct-14	-	240		
Newhall Station 407 Sullivan Canyon-P1B ^{(7), (12)}	7	Stage 5-6 Construction / Turnover	Jan-15 Feb-18	42 (67)	12,518		
Victoria Station	2 4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement Closed	Dec-14	(07)	1,533		
Alhambra Station	3	Stage 7 Close out / Reconciliation	Apr-15	0	3,035		
Pixley Station	3	Closed	Nov-14	-	1,339		
2001W Seg 10-11-P1B (12)	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	5	496		
SGV	3	Stage 2-4 Engineering & Planning / Contract Bidding & Plotthement	Feb-15	4	5,042		
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	(109)	7,646		
Blythe ⁽³⁾							
Blythe (Cactus City)-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-18	1	842		
Blythe Station 2	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	1	370		
Banning Airport	2	Stage 7 Close-out / Reconciliation	Apr-15	(145)	2,015		
Orange	3	Stage 7 Close-out / Reconciliation	Apr-15	45	4,882		
Palowalla-P1B ⁽¹²⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-18	(363)	1,669		
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	77	1,272		
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	49	9,037		
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	54	6,987		
404-406 Valley	7	Stage 5-6 Construction / Turnover	Sep-15	19	2,649		
Indio ⁽⁴⁾							
Indio 2014	4	Stage 7 Close-out / Reconciliation	May-15	19	2,219		
Indio 2016-P1B ⁽¹²⁾ 235-198.20 ⁽⁶⁾	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	3	745		
L1004 MP 15.27 Carpinteria-P1B ⁽¹²⁾	N/A	N/A	N/A Jun-18	- 1	103		
Santa Barbara - 1005 (10)	1 1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement Closed	Mar-15	3	405		
L4000 MP 45.36 ⁽⁹⁾	1	Stage 5-6 Construction / Turnover	Sep-16	205	1,087		
L4000 MP 53.00 ⁽⁸⁾	3	Stage 7 Close-out / Reconciliation	May-15	4	1,842		
L4000 MP 69.00 MLV-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	19	593		
L4000 MP 80.08 MLV	3	Stage 2 r Engineering of ramming r contract sharing of rocarement	May-15	15	1,254		
L4002 MP 67.00 MLV ⁽⁶⁾	N/A	N/A	N/A	-	437		
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	71	6,472		
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	63	6,566		
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	42	2,746		
Banning 2001	6	Stage 5-6 Construction / Turnover	Apr-16	87	1,767		
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	27	3,097		
Quigley Station ⁽⁶⁾	N/A	N/A	N/A	-	29		
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	163	1,930		
Aviation	10	Stage 5-6 Construction / Turnover	May-16	678	8,158		
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	36	3,707		
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	62	3,446		
Honor Ranch - L225	5	Stage 5-6 Construction / Turnover	May-16	1,010	3,279		
Los Alamitos ⁽⁶⁾	N/A	N/A	N/A	-	239		
Haynes Station	3	Stage 5-6 Construction / Turnover	Nov-16 Oct-16	492 481	1,034		
Fontana MLVs 4000-4002 Fontana Bundle - L4002	3	Stage 5-6 Construction / Turnover	Jul-15	481	1,672		
SL45-120 Section 2-P1B ^{(5), (12)}	1 1	Stage 7 Close-out / Reconciliation Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jui-15 Jun-17	8	209		
235-335 East	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement Stage 5-6 Construction / Turnover	Oct-16	273	1,155		
L1017-P1B ⁽¹²⁾	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	53	412		
L1017-P1B (12)	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	138	1,183		
L2000 Beaumont Riverside (11)	10			100	1,105		
L2000 Beaumont 2015 (18)	3	Stage 5-6 Construction / Turnover	Aug-15	120	2,858		
	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-17	-	_,250		
L2000 Beaumont 2016 (18)							
L2000 Beaumont 2016 ⁽¹⁸⁾ L7000-P1B ⁽¹²⁾ Taft-P1B ⁽¹²⁾	9	Stage 5-6 Construction / Turnover	Sep-16	203	2,046		

Rainbow (17) 10 Rainbow 2017 (17) 2 L2003 West 6 Cabazon-P1B (12) 3 Bannig 5000 2 L85 Templin Highway MP 137.99-P1B (12) 1 43-121-P1B (12) 2 Adelanto-P1B (12), (13) 4 Apple Valley-P1B (12) 1 Burbank & Lindley-P1B (12) 3 Blythe COMMs-P1B (12) 0 Del Amo Station-P1B (12), (13) 6 Del Amo Station-P1B (12), (13) 1 L2002-P1B (12) 0 L4000 Victorville-P1B (12) 13 L6916-P1B (12) 13 L6916-P1B (12) 1 Pico-P1B (12), (13) 1 Brea Hacineda Bundle-P1B (12), (13) 1 Image Ancienda Bundle-P1B (12), (13) 1 L4002 MP 86.44-FM-P1B (12), (13) 1 Victorville P1B (13) 7 Z35-335 West Bundle-P1B (13) 1 L324 Bundle-P1B (13) 7 Glendale Bundle-P1B (13) 6 Sepulveda Station-P1B (12), (13) 1				
L D L2003 West 6 Cabazon-P1B 3 Banning 5000 2 L85 Templin Highway MP 137.99-P1B 1 43-121-P1B 2 Adelanto-P1B 121 Adelanto-P1B 122 Adelanto-P1B 122 Burbank & Lindley-P1B 1 Burbank & Lindley-P1B 3 Blythe COMMs-P1B 122 O Del Amo Station-P1B Del Amo / Wilmington-P1B 122 Del Amo / Wilmington-P1B 121 Haskell Station FM-P1B 122 L0000 Victorville-P1B 13 L6916-P1B 122 U1000 Victorville-P1B 13 L6916-P1B 121 Needles COMMs-P1B 121 Vilimington-P1B 122,113 Ulimington-P1B 122,113 L4002 MP 72.70-P1B 121 Vilimington-P1B 122,113 L4002 MP 86.44-FM-P1B 11 L324 Bundle-P1B 13 T 23-335 West	Stage 5-6 Construction / Turnover	May-16	398	4,097
Cabazon-P1B 3 Banning 5000 2 L85 Templin Highway MP 137.99-P1B 1 43-121-P1B 1 43-121-P1B 2 Adelanto-P1B 121 1 2 Adelanto-P1B 121 Burbank & Lindley-P1B 122 1 1 Burbank & Lindley-P1B 121 0 Del Amo / Wilmington-P1B 121 0 Del Amo / Wilmington-P1B 122 1 Haskell Station FM-P1B 122 0 L4000 Victorville-P1B 121 1 L2002-P1B 121 1 L6916-P1B 121 1 Pico-P1B 121 1 Pico-P1B 121 1 Needles COMMs-P1B 121 1 Pico-P1B 121 1 Pico-P1B 121 1 L4002 MP 72.70-P1B 121 1 L4002 MP 86.44-FM-P1B 121 1 L4002 MP 86.44-FM-P1B <t< td=""><td>Stage 2-4 Engineering & Planning / Contract Bidding & Procurement</td><td>Apr-17</td><td>3</td><td>27</td></t<>	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	3	27
Banning 5000 2 L85 Templin Highway MP 137.99-P1B 1 43-121-P1B 12 1 43-121-P1B 12 1 Adelanto-P1B 12 1 Adelanto-P1B 12 1 Burbank & Lindley-P1B 12 1 Burbank & Lindley-P1B 12 3 Blythe COMMs-P1B 12 0 Del Amo Station-P1B 12/(13) 6 Del Amo Station-P1B 12/(13) 1 L2002-P18 12 0 L4000 Victorville-P1B 12 13 L6916-P18 12 1 Wilmington-P1B 12/(13) 1 Vico-P1B 12/(13) 1 Wilmington-P1B 12/(13) 1 Wilmington-P1B 12/(13) 1 Vico-P1B 12/(13) 1 Brea Hacienda Bundle-P1B 12 10 L4002 MP 86.44-FM-P1B 12/(13) 1 L4002 MP 86.44-FM-P1B 13 1 L	Stage 5-6 Construction / Turnover	Oct-15	138	3,246
L85 Templin Highway MP 137.99-P1B 1 43-121-P1B 12 Adelanto-P1B 12) Adelanto-P1B 12) Burbank & Lindley-P1B 1 Burbank & Lindley-P1B 1 Burbank & Lindley-P1B 0 Del Amo Station-P1B 12) Blythe COMMs-P1B 12) Del Amo Station-P1B 12) Haskell Station FM-P1B 12) 1 1202-P13 L2002-P18 12) 1 1202-P16 1200 1 Haskell Station FM-P1B 12) 13 11 L6916-P18 12) 13 11 Vilonington-P18 12) 14000 Victorville-P18 12) 13 11 Brea Hacienda Bundle-P18 12) 10 12 11 12 12002 MP 86.44-FM-P18 12) 10 12 112002 MP 86.44-FM-P18 12) 1121 11 1224 Bundle-P18 13 11 <td< td=""><td>Stage 2-4 Engineering & Planning / Contract Bidding & Procurement</td><td>Nov-18</td><td>1</td><td>11</td></td<>	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	1	11
L85 Templin Highway MP 137.99-P1B 1 43-121-P1B 12 Adelanto-P1B 12) Adelanto-P1B 12) Burbank & Lindley-P1B 1 Burbank & Lindley-P1B 1 Burbank & Lindley-P1B 0 Del Amo Station-P1B 12) Blythe COMMs-P1B 12) Del Amo Station-P1B 12) Haskell Station FM-P1B 12) 1 1202-P13 L2002-P18 12) 1 1202-P16 1200 1 Haskell Station FM-P1B 12) 13 11 L6916-P18 12) 13 11 Vilonington-P18 12) 14000 Victorville-P18 12) 13 11 Brea Hacienda Bundle-P18 12) 10 12 11 12 12002 MP 86.44-FM-P18 12) 10 14002 MP 72.70-P18 11 14 L2002 P18 13) 11 12 L302 Bundle-P18 <t< td=""><td>Stage 5-6 Construction / Turnover</td><td>Oct-15</td><td>93</td><td>2,278</td></t<>	Stage 5-6 Construction / Turnover	Oct-15	93	2,278
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	-	84
Adelanto-P1B $^{(22), (13)}$ 4 Apple Valley-P1B 1 Burbank & Lindley-P1B 1 Burbank & Lindley-P1B 0 Del Amo Station-P1B 0 Del Amo Station-P1B 0 Del Amo Station-P1B 1 Haskell Station FM-P1B 1 Haskell Station FM-P1B 1 L2002-P1B 0 L4000 Victorville-P1B 1 L4000 Victorville-P1B 1 L4000 Victorville-P1B 1 Pico-P1B 1 Vilmington-P1B 1 Pico-P1B 1 L4002 Victorville-P1B 1 Pico-P1B 1 L4002 VP 72.70-P1B 1 L4002 MP 72.70-P1B 1 L4002 MP 72.70-P1B 1 L4002 MP 86.44-FM-P1B 1 L324 Bundle-P1B 1 L324 Bundle-P1B 1 L324 Bundle-P1B 1 L324 Bundle-P1B 1 L305 Bundle-P1B 1 L305 Bundle-P1B 1 L305 Bundle-P1B 1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	35	328
Apple Valley-P1B 1 Burbank & Lindley-P1B 12 Burbank & Lindley-P1B 12 Blythe COMMs-P1B 0 Del Amo Station-P1B 12 Haskell Station FM-P1B 12 Haskell Station FM-P1B 1 Haskell Station FM-P1B 12 1 1 L2002-P1B 0 L4000 Victorville-P1B 13 L5916-P1B 13 L6916-P1B 12 1 7 Needles COMMs-P1B 7 Needles COMMs-P1B 12 1 1 L4002 MF 27.70-P1B 12 1 1 L4002 MP 86.44-FM-P1B 10 L4002 MP 86.44-FM-P1B 11 L324 Bundle-P1B 11 L324 Bundle-P1B 11 L324 Bundle-P1B 11 L324 Bundle-P1B 13 10 Western/Del Rey Bundle-P1B L31 6 Sepulveda Station-P1B 13 10 13 L324 Bundle-P1B 13 10	N/A	Oct-17	0	4
Burbank & Lindley-P1B ⁽¹²⁾ 3 Blythe COMMs-P1B ⁽¹²⁾ 0 Del Amo Station-P1B ⁽¹²⁾⁽¹³⁾ 6 Del Amo / Wilmington-P1B ⁽¹²⁾⁽¹³⁾ 1 Haskell Station FM-P1B ⁽¹²⁾⁽¹³⁾ 1 L2002-P1B ⁽¹²⁾ 0 L4000 Victorville-P1B ⁽¹²⁾ 1 L916-P1B ⁽¹²⁾ 13 L6916-P1B ⁽¹²⁾ 13 L9016-P1B ⁽¹²⁾ 1 Pico-P1B ^{(12),(13)} 8 Wilmington-P1B ^{(12),(13)} 5 L4002 MP 72.70-P1B ^{(12),(13)} 1 Brea Hacienda Bundle-P1B ^{(12),(13)} 1 Lampson Check Valves-P1B ^{(12),(13)} 1 L324 Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 7 Uctorville COMMs-P1B ^{(12),(13),(16)} 6 Sepulveda Station-P1B ⁽¹²⁾ 2 Victorville COMMs-P1B ⁽¹²⁾ 2 Victorville COMMs-P1B ⁽¹²⁾ 1 L247 Goleta-P1B ⁽¹²⁾ 1 L247 Goleta-P1B ⁽¹²⁾ 3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-17	30	202
Biythe COMMs-P1B (12) 0 Del Amo Station-P1B (12),(13) 6 Del Amo / Wilmington-P1B (12),(13) 1 Haskell Station FM-P1B (12),(13) 1 L2002-P1B 12 0 L4000 Victorville-P1B 12 1 L2002-P1B 13 L6916-P1B 12 L6916-P1B 12 1 1 Pico-P1B 12 10 1 L4002 MP 72.70-P1B 12 10 1 L4002 MP 86.44-FM-P1B 10 1 13 Yorba Station-P1B 12 10 1 L324 Bundle-P1B 11 1 13 1234 Bundle-P1B 13 7 1 Sepulveda Station-P1B	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-19	(0)	27
Del Amo Station-P1B $^{(12),(13)}$ 6 Del Amo / Wilmington-P1B 1 1 Haskell Station FM-P1B 1 1 L2002-P18 1 1 L2002-P18 1 1 L6916-P18 12 0 L4000 Victorville-P18 12 1 L6916-P18 12 1 Pico-P18 12 7 Needles COMMs-P18 12 1 Pico-P18 121, (13) 5 Uilmington-P18 121, (13) 1 Brea Hacienda Bundle-P18 10 1 L4002 MP 72.70-P18 121, (13) 1 Vorba Station-P18 121, (13) 1 L4002 MP 86.44-FM-P18 121 10 L4002 MP 86.44-FM-P18 11 1 L324 Bundle-P18 13 1 Uampson Check Valves-P18 13 1 U324 Bundle-P18 13 10 Western/Del Rey Bundle-P18 10 0 Western/Del Rey Bundle-P18	Stage 1 Project Initiation	Jun-18	1	5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A	Sep-18	2	10
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-18	7	174
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Feb-18	1	6
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A			5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-17	0	
Needles COMMs-P1B 1 Pico-P1B 12) 1 Pico-P1B 12) 1 Pico-P1B 12) 1 Brea Hacienda Bundle-P1B 12) 1 Brea Hacienda Bundle-P1B 12) 10 L4002 MP 72.70-P1B 12) 10 L4002 MP 86.44-FM-P1B 12) 10 L4002 MP 86.44-FM-P1B 12) 1 Vorba Station-P1B 12) 1 Lampson Check Valves-P1B 13 1 L324 Bundle-P1B 13) 7 235-335 West Bundle-P1B 13) 7 Glendale Bundle-P1B 13) 10 Western/Del Rey Bundle-P1B 10 9 L8109 Bundle-P1B 13) 6 Sepulveda Station-P1B 12) 2 Ventura Station Bundle-P1B 12) 2 Ventura Station Bundle-P1B 12) 4 L247 Goleta-P1B 12) 1 404-406 Ventura 2016 Bundle 3 1225 Sundle-P1B L25 Bundl	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	31	39
Pico-P1B 122, (13) 8 Wilmington-P1B (12), (13) 5 L4002 MP 72, 70-P1B 121, (13) 1 Brea Hacienda Bundle-P1B 121 10 L4002 MP 72, 70-P1B 121, (13) 1 Yorba Station-P1B 121, (13) 1 Lampson Check Valves-P1B 13 1 L324 Bundle-P1B 13 7 235-335 West Bundle-P1B 13 7 Glendale Bundle-P1B 13 10 Western/Del Rey Bundle-P1B 13 6 Sepulveda Station-P1B 12 2 Victorville COMMs-P1B 121, (13), (16) 6 Chestnut & Grand-P1B 121 2 Ventura Station Bundle-P1B 121 4 L247 Goleta-P1B 11 4 L247 Goleta-P1B 121 5 SB County Bundle-P1B 12<	Stage 5-6 Construction / Turnover	Nov-16	1,651	2,077
Wilmington-P1B $^{(12), (13)}$ 5 L4002 MP 72.70-P1B $^{(12), (13)}$ 1 Brea Hacienda Bundle-P1B 10 1 L4002 MP 86.44-FM-P1B 10 1 L4002 MP 86.44-FM-P1B 11 1 Vorba Station-P1B 121,(13) 1 Lampson Check Valves-P1B 13 1 L324 Bundle-P1B 13 7 235-335 West Bundle-P1B 7 1 Glendale Bundle-P1B 13 7 Glendale Bundle-P1B 13 10 Western/Del Rey Bundle-P1B 9 1 L8109 Bundle-P1B 13 10 Western/Del Rey Bundle-P1B 9 1 L104 Station-P1B 1 2 Victorville COMMs-P1B 12 2 Ventura Station Bundle-P1B 11 4 L247 Goleta-P1B 11 4 L247 Goleta-P1B 11 4 L247 Goleta-P18 11 1 404-406 Ventura 2016 Bundle 3 3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-17	0	4
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A	May-18		89
Brea Hacienda Bundle-P1B ⁽¹²⁾ 10 L4002 MP 86.44-FM-P1B ^{(12),(13)} 1 Yorba Station-P1B ^{(12),(13)} 1 Lampson Check Valves-P1B ⁽¹³⁾ 1 L324 Bundle-P1B ⁽¹³⁾ 7 235-335 West Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 7 Sepulveda Station-P1B ⁽¹³⁾ 6 Sepulveda Station-P1B ⁽¹³⁾ 6 Victorville COMMs-P1B ⁽¹³⁾ 6 Ventura Station Bundle-P1B ⁽¹³⁾ 6 Chestnut & Grand-P1B ⁽¹³⁾ 6 L247 Goleta-P1B ⁽¹²⁾ 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ⁽¹²⁾ 5 Scounty Bundle-P1B ⁽¹²⁾ 3 Spence Station-P1B ⁽¹²⁾ 4 Carpinteria Bundle-P1B ^{(12),(16)} 2 Santa Barbara Bundle-P1B ⁽¹²⁾ 2	N/A	Dec-18	0	217
L4002 MP 86.44-FM-P1B ^{(12),(13)} 1 Yorba Station-P1B ^{(12),(13)} 1 Lampson Check Valves-P1B ⁽¹³⁾ 1 L324 Bundle-P1B ⁽¹³⁾ 7 235-335 West Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 10 Western/Del Rey Bundle-P1B ⁽¹³⁾ 9 L8109 Bundle-P1B ⁽¹³⁾ 6 Sepulveda Station-P1B ⁽¹⁵⁾ 2 Victorville COMMs-P1B ⁽¹²⁾ 2 Ventura Station Bundle-P1B ⁽¹³⁾ 4 L247 Goleta-P1B ⁽¹²⁾ 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ⁽¹²⁾ 5 SB County Bundle-P1B ⁽¹²⁾ 3 Spence Station-P1B ⁽¹²⁾ 4 Carpinteria Bundle-P1B ^{(12),(16)} 2 Santa Barbara Bundle-P1B ^{(12),(12)} 2	N/A	Sep-19	0	4
Yorba Station-P1B ^{(12),(13)} 1 Lampson Check Valves-P1B ⁽¹³⁾ 1 L324 Bundle-P1B ⁽¹³⁾ 7 235-335 West Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 10 Western/Del Rey Bundle-P1B ⁽¹³⁾ 9 L8109 Bundle-P1B ⁽¹³⁾ 6 Sepulveda Station-P1B ⁽¹⁵⁾ 2 Victorville COMMs-P1B ⁽¹²⁾ 2 Ventura Station Bundle-P1B ^{(12), (13), (16)} 6 Chestnut & Grand-P1B ⁽¹³⁾ 4 L247 Goleta-P1B ⁽¹²⁾ 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ⁽¹²⁾ 3 Spence Station-P1B ⁽¹²⁾ 3 Spence Station-P1B ^{(12), (15)} 2 Santa Barbara Bundle-P1B ^{(12), (15)} 2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement N/A	Oct-18 Jul-18	9	26 14
Lampson Check Valves-P1B ⁽¹³⁾ 1 L324 Bundle-P1B ⁽¹³⁾ 7 235-335 West Bundle-P1B ⁽¹³⁾ 7 Glendale Bundle-P1B ⁽¹³⁾ 10 Western/Del Rey Bundle-P1B ⁽¹³⁾ 9 L8109 Bundle-P1B ⁽¹³⁾ 9 L8109 Bundle-P1B ⁽¹³⁾ 6 Sepulveda Station-P1B ⁽¹⁵⁾ 2 Victorville COMMs-P1B ⁽¹²⁾ 2 Ventura Station Bundle-P1B ^{(12), (13), (16)} 6 Chestnut & Grand-P1B ^{(12), (13), (16)} 6 Chestnut & Grand-P1B ^{(12), (13), (16)} 6 L247 Goleta-P18 ⁽¹²⁾ 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ^{(12),} 5 SB County Bundle-P1B ^{(12),} 3 Spence Station-P1B ^{(12),} 4 Carpinteria Bundle-P1B ^{(12), (16)} 2 Santa Barbara Bundle-P1B ^{(12),} 2	N/A N/A	Jan-19	1	3
L324 Bundle-P1B 7 235-335 West Bundle-P1B 7 Glendale Bundle-P1B 7 Glendale Bundle-P1B 10 Western/Del Rey Bundle-P1B 9 L8109 Bundle-P1B 9 L8109 Bundle-P1B 6 Sepulveda Station-P1B 7 Victorville COMMs-P1B 2 Victorville COMMs-P1B 2 Victorville COMMs-P1B 12 Ventura Station Bundle-P1B 12 Ventura Station Bundle-P1B 4 L247 Goleta-P1B 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B 12 SB County Bundle-P1B 3 Spence Station-P1B 4 Carpinteria Bundle-P1B 12 Santa Barbara Bundle-P1B 2	Stage 1 Project Initiation	Aug-18	(0)	4
235-335 West Bundle-P1B 7 Glendale Bundle-P1B 10 Western/Del Rey Bundle-P1B 10 Western/Del Rey Bundle-P1B 9 L8109 Bundle-P1B 6 Sepulveda Station-P1B 6 Victorville COMMs-P1B 2 Victorville COMMs-P1B 2 Victorville COMMs-P1B 2 Ventura Station Bundle-P1B 6 Chestnut & Grand-P1B 6 Chestnut & Grand-P1B 4 L247 Goleta-P1B 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B 12 SB County Bundle-P1B 3 Spence Station-P1B 4 Carpinteria Bundle-P1B 2 Santa Barbara Bundle-P1B 2	N/A	Mar-19	0	5
Glendale Bundle-P1B 10 Western/Del Rey Bundle-P1B 9 L8109 Bundle-P1B 9 L8109 Bundle-P1B 6 Sepulveda Station-P1B 2 Victorville COMMs-P1B 2 Ventura Station Bundle-P1B 12 Ventura Station Bundle-P1B 12 Vandra & Grand-P1B 13 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B 12 SB County Bundle-P1B 3 Spence Station-P1B 4 Carpinteria Bundle-P1B 4 Carpinteria Bundle-P1B 2 Santa Barbara Bundle-P1B 2	N/A N/A	Mar-19	0	22
Western/Del Rey Bundle-P1B 9 L8109 Bundle-P1B (13) 6 Sepulveda Station-P1B 15) 2 Victorville COMMs-P1B 2 2 Victorville COMMs-P1B 2 2 Ventura Station Bundle-P1B 12/12 2 Ventura Station Bundle-P1B 6 6 Chestnut & Grand-P1B 6 6 Chestnut & Grand-P1B 1 4 L247 Goleta-P1B 1 4 L247 Goleta-P1B 12 1 404-406 Ventura 2016 Bundle 3 2 SB County Bundle-P1B 12 5 SB County Bundle-P1B 12 3 Spence Station-P1B 12 4 Carpinteria Bundle-P1B 12 2 Santa Barbara Bundle-P1B 12 2	N/A	Dec-18	4	12
L8109 Bundle-P1B (13) 6 Sepulveda Station-P1B 2 Victorville COMMs-P1B 2 Victorville COMMs-P1B (12) 2 Victorville COMMs-P1B Ventura Station Bundle-P1B (12) 2 Victorville COMMs-P1B Ventura Station Bundle-P1B (12) 4 1 L247 Goleta-P1B (12) 1 4 L247 Goleta-P1B (12) 5 5 SB County Bundle-P1B (12) 5 5 Spence Station-P1B (12) 4 4 Carpinteria Bundle-P1B (12) 2 2 Santa Barbara Bundle-P1B (12) 2 5	N/A	May-19	0	7
Victorville COMMs-P1B (12) 2 Ventura Station Bundle-P1B (12), (13), (16) 6 Chestnut & Grand-P1B (13) 4 L247 Goleta-P1B 1 4 L247 Goleta-P1B 1 4 L247 Goleta-P1B 1 4 L225 Bundle-P1B 1 5 SB County Bundle-P1B 5 5 Spence Station-P1B 12) 4 Carpinteria Bundle-P1B 12) 4 Santa Barbara Bundle-P1B 2 2	N/A	May-19	0	3
Ventura Station Bundle-P1B ^{(12), (13), (16)} 6 Chestnut & Grand-P1B ⁽¹³⁾ 4 L247 Goleta-P1B ⁽¹²⁾ 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ⁽¹²⁾ 5 SB County Bundle-P1B ⁽¹²⁾ 3 Spence Station-P1B ⁽¹²⁾ 4 Carpinteria Bundle-P1B ^{(12), (16)} 2 Santa Barbara Bundle-P1B ⁽¹²⁾ 2	Stage 5-6 Construction / Turnover	Sep-16	294	750
Chestnut & Grand-P1B ⁽¹³⁾ 4 L247 Goleta-P1B ⁽¹²⁾ 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ⁽¹²⁾ 5 SB County Bundle-P1B ⁽¹²⁾ 3 Spence Station-P1B ⁽¹²⁾ 4 Carpinteria Bundle-P1B ⁽¹²⁾ 2 Santa Barbara Bundle-P1B ⁽¹²⁾ 2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	30	165
L247 Goleta-P18 1 404-406 Ventura 2016 Bundle 3 L225 Bundle-P18 5 SB County Bundle-P18 3 Spence Station-P18 4 Carpinteria Bundle-P18 2 Santa Barbara Bundle-P18 2	N/A	Feb-18	(0)	3
404-406 Ventura 2016 Bundle 3 L225 Bundle-P1B ^[12] 5 SB County Bundle-P1B ^[12] 3 Spence Station-P1B ^[12] 4 Carpinteria Bundle-P1B ^[12] , (16) 2 Santa Barbara Bundle-P1B ^[12] 2	N/A	Mar-18	0	5
L225 Bundle-P1B 5 SB County Bundle-P1B 3 Spence Station-P1B 4 Carpinteria Bundle-P1B 2 Santa Barbara Bundle-P1B 2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	1	17
SB County Bundle-P1B ⁽¹²⁾ 3 Spence Station-P1B ⁽¹²⁾ 4 Carpinteria Bundle-P1B ^{(12),(16)} 2 Santa Barbara Bundle-P1B ⁽¹²⁾ 2	Stage 5-6 Construction / Turnover	Oct-16	269	586
Spence Station-P1B ⁽¹²⁾ 4 Carpinteria Bundle-P1B ^{(12),(16)} 2 Santa Barbara Bundle-P1B ⁽¹²⁾ 2	Stage 5-6 Construction / Turnover	Aug-16	-	-
Carpinteria Bundle-P1B ^{(12),(16)} 2 Santa Barbara Bundle-P1B ⁽¹²⁾ 2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-17	25	499
Santa Barbara Bundle-P1B ⁽¹²⁾ 2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	7	29
	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-18	1	30
Colota Rundlo D1R (14)	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	5	33
(12)	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	3	70
L115 Bundle-P1B (13) 12	N/A	Mar-18	19	20
Total SoCalGas Valves			7,081	154,694

			Construction Start		Project-To-Date
	Dec-16 No. of		Date (Est.) Reported	December-16 Total	Total
Valve Projects	Valves (1)	December-16 Project Lifecycle Stage ⁽²⁾	in December-16	(in \$1,000)	(in \$1,000)
		Valves-SDG&E			
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	0	126
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	0	232
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	128	4,021
49-11	1	Stage 5-6 Construction / Turnover	Sep-16	102	672
49-15 Transmission	2	Stage 5-6 Construction / Turnover	Nov-15	-	-
49-16 RCV (14)	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17		
49-16 RCV (4th & Palm)				2	12
49-16 RCV (La Mesa Gate)				3	16
49-16 RCV (Mass&Main)				9	161
49-32-L RCV	1	Stage 5-6 Construction / Turnover	Aug-16	430	937
49-28	1	Stage 5-6 Construction / Turnover	Oct-16	167	414
3011 and 2010	2	Stage 5-6 Construction / Turnover	Oct-16	51	173
Total SDG&E Valves				892	6,765

Overall Footnotes:

(1) Number subject to change based on design and constructability. Backflow Prevention (BFP2) and Flow Meters (FM) are for check valves and reg. station modifications. Counts do not include BFP1 (regulator station modification) (2) Stage Categories: categories represent the stage of a valve project's lifecycle. Stage 1 Project Initiation, Stage 2-4 Engineering & Planning/ Contract Bidding & Procurement, Stage 5-6 Construction/ Turnover, and Stage 7 Close-out/ Reconciliation.

(3) The original Blythe Bundle included 4 valves. Due to permit constraints, this original bundle has been regrouped into Blythe (Cactus City) and Blythe Station 2. Each new bundle will have separate schedules.

(4) The original Indio Bundle included 12 valves. Due to permit constraints, this original bundle has been regrouped into Indio 2014 and Indio 2016. Each new bundle will have separate schedules.

(5) Valve Bundle "33-120 Fault Isolation" has been renamed to "SL45-120 Section 2".

(6) Valve Project is in the process of being descoped from PSEP. Final costs are being adjusted accordingly.

(7) Valve Bundle "407 San Vincente" has been renamed to "407 Sullivan Canyon".

(8) Valve "4000 MP 57.00" has been renamed to "L4000 MP 53.00".

(9) Valve "4000 MP 41.72" has been renamed to "L4000 MP 45.36".

(10) Valve "1005-18.04-0" has been renamed to "Santa Barbara Bundle - 1005".

(11) Valve Bundle "L2000 Beaumont Riverside" has been regrouped into two projects: "L2000 Beaumont Riverside 2015" and "L2000 Beaumont Riverside 2016".

(12) Projects have been moved to Phase 1B and have been renamed to include "P1B".

(13) New valve bundle is currently being initiated, with information about project scope, stage, and/or construction start date available at a later time.

(14) Valve Bundles "49-16 RCV (4th & Palm)", "49-16 RCV (La Mesa Gate)", and "49-16 RCV (Mass&Main)" have been regrouped as one valve bundle "49-16 RCV".

(15) Valve bundle "Willow Station" has been renamed to "Sepulveda Station" bundle.

(16) Valve bundle "Carpenteria Bundle-P1B" has been renamed to "Carpinteria Bundle-P1B" bundle. Valve bundle "Ventura Bundle-P1B" has been renamed "Ventura Station Bundle-P1B".

(17) Valve Project "Rainbow" has been split to "Rainbow Bundle" & "Rainbow Bundle 2017". "Rainbow Bundle" and "Rainbow Bundle 2017" now have separate scope, cost and schedule for each of these projects.

(18) The number of valves has changed due to change in project requirements.

SoCalGas and SDGE PSEP Project Status Report to the Commission for December 2016 Appendix C - Records Review and Interim Safety Measure Costs

SCG	(in \$1,000)		
	-	Project-To-Date Total	
Leak Survey and Pipeline Patrol	-	684	
Records Review	-	14,707	
Pressure Protection Equipment	-	196	
Other Remediation	-	447	
Total SCG Records Review and Interim Safety Measure Costs	-	16,035	

SDGE	(i	(in \$1,000)	
	_	Project-To-Date Total	
Leak Survey and Pipeline Patrol	-	70	
Records Review	-	1,098	
Pressure Protection Equipment	-	3	
Other Remediation	-	1	
Total SDGE Records Review and Interim Safety Measure Costs	-	1,172	

Overall Footnotes:

(A) Costs reflect actuals for the month of December and project-to-date costs from May 2012 to December 2016.

(B) Project costs do not reflect year to date actuals. There is some lag time in getting costs posted.

(C) Costs are in nominal direct dollars.

(D) Costs recovery will include indirects and applicable loaders.

(E) As of December 2016, the SoCalGas balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$44,005,494 which includes regulatory account interest and is reduced for costs incurred prior to February 24, 2011 (i.e., the effective date of R.11-02-019), and reflects approximately \$2.5 million of amortization revenues to-date (\$0.6 million monthly).

(F) As of December 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account (PRSMA) reflects a balance of \$84,016 which includes regulatory account interest and is reduced for costs incurred prior to February 24, 2011 (i.e., the effective date of R.11-02-019).