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January 28, 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 2015

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 2015 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 CPD) as our plan is implemented.

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

Sincerely,

 /s/ Shirley Amrany

Shirley Amrany
Regulatory Business Manager

Attachment

CC: Richard Myers, CPUC Energy Division
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 2015 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 2015.

II. Current Status

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

Pipelines:

1. No new construction activity for the month of December
2. 22 pipeline projects are in Construction (Stage 5)
3. 33 pipeline projects are in Start Up/Turnover (Stage 6)
4. 8 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. 2 valve projects are in Close-Out (Stage 7)

III. Costs

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

IV. Attachments

- Appendix A - *PSEP - SoCalGas / SDG&E - Active Pipeline Projects List*
- Appendix B – *SoCalGas and SDG&E PSEP Cost Report to the Commission for December 2015*
- Appendix C – *Records Review and Interim Safety Measure Costs*
- Appendix D – *PSEP - SoCalGas / SDG&E - Active Valve Projects List*

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

V. Notes

- Appendix A, SoCalGas Table Footnote 16: Line 406 has been separated into 2 projects: 406 and 406 Section 3.
- Appendix A, SoCalGas Table Footnote 14: Line 37-07, the Project Lifecycle has been revised to stage 5 from stage 7 to reflect the status of the project.
- Appendix B, SDG&E Table Footnote 11: A portion of the costs for Line 49-11 has been disallowed (post-1961 costs) and removed from Appendix B.
- SoCalGas' Safety Enhancement Expense Balancing Account (SEEBA) decreased from the November 2015 report due to (1) removal of disallowed costs (post-1961 costs) and (2) transfer of ~\$4 million from O&M to capital in December 2015 for Line 2000 West.
- SDG&E's Safety Enhancement Capital Cost Balancing Account (SECCBA) decreased from the November 2015 report as a result of the 2015 bonus depreciation true-up (recent tax law changes extend bonus depreciation through 2019).

PSEP - SCG / SDG&E							
Appendix A - Active Projects List as of December 2015							
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Dec-15 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in Dec-15
Pipeline-SCG							
2000 ⁽³⁾	1	117.6 ⁽³⁾		30	1947	67%	
2000-A			7-Close-out				Jun-13
2000-Bridge			3-Project Definition				Jan-17
2000-West			6-Start Up/Turnover				Jul-14
2001 West ⁽⁴⁾	3	64.10		30	1950	50%	
2001 West - A			6-Start Up/Turnover				Apr-14
2001 West - B			6-Start Up/Turnover				Aug-14
2000-C/2001W - C Desert Bundle ⁽³⁾⁽⁴⁾⁽¹⁰⁾							
2000-C			4-Detailed Design				Apr-18
2001 West - C			3-Project Definition				Aug-18
2000-D			3-Project Definition				Dec-18
2001 West - D			3-Project Definition				Mar-19
1005	4	3.50	6-Start Up/Turnover	22	1949	59%	Sep-14
2003	6	26.50	6-Start Up/Turnover	30	1949	36%	Aug-14
407	7	6.30	6-Start Up/Turnover	30	1951	36%	Mar-14
406 ⁽¹⁶⁾	9	20.70		22	1951	60%	
Line 406			6-Start Up/Turnover				Aug-14
Line 406 Section 3			4-Detailed Design				Mar-16
235 West	10	3.10	6-Start Up/Turnover	30	1957	49%	Jun-14
1013	11	3.50	6-Start Up/Turnover	30	1954	43%	Jul-14
1015	12	7.85	6-Start Up/Turnover	30	1954	43%	Aug-14
1004	13	19.70	6-Start Up/Turnover	16	1944	49%	May-15
404	14	37.80	5-Construction	18	1949	50%	Feb-15
44-137	15	1.00	5-Construction	20	1950	43%	Nov-14
2000-0.18-BO Crossover Piping ⁽⁵⁾			3-Project Definition				Jan-17
2000-0.18-BO	23	0.01		12.75	1952	41%	
2000-0.18-XO1	43	0.01		12.75	1952	41%	
2000-0.18-XO2	16	0.01		20	1961	55%	
1014	18	0.003	6-Start Up/Turnover	30	1959	48%	Oct-14
43-121 ⁽⁶⁾	22	4.41		26	1930	42%	
43-121 North			4-Detailed Design				Jul-16
43-121 South			5-Construction				Aug-14
33-120 ⁽⁶⁾	24	1.25		22	1940	44%	
33-120 Section 1			4-Detailed Design				Apr-16
33-120 Section 2			6-Start Up/Turnover				Jun-14
33-120 Section 3			3-Project Definition				Sep-16
45-120 ⁽⁶⁾	25	4.30		22	1930	26%	
45-120 Section 1			6-Start Up/Turnover				Oct-14
45-120 Section 2			5-Construction				Sep-14
32-21	26	10.23	5-Construction	20	1948	48%	May-15
41-6000-2 ⁽⁹⁾	27	39.95	5-Construction	8.625	1948	26%	Sep-15
36-9-09 North ⁽⁶⁾	29	16.02		8.625	1932	46%	
Section 1			5-Construction				May-15
Section 2A			4-Detailed Design				May-16
Section 2B			6-Start Up/Turnover				Jun-14
Section 3			6-Start Up/Turnover				Dec-14
Section 4 ⁽¹²⁾			5-Construction				Sep-14
Section 5			4-Detailed Design				Jan-16
Section 6A			6-Start Up/Turnover				Mar-15
Section 6B			3-Project Definition				Feb-17
Section 7A			4-Detailed Design				Jul-16
Section 7B			6-Start Up/Turnover				May-15
1011	36	5.14	6-Start Up/Turnover	20	1955	34%	Jul-14
36-37	38	0.02	6-Start Up/Turnover	16	1970	26%	May-14
42-66-1&2 ⁽¹³⁾			7-Close-out				Oct-13
42-66-1	40	0.04		12.75	1947	34%	
42-66-2	41	0.03		12.75	1947	34%	
37-18	45	4.16	5-Construction	16	1945	38%	Oct-14
37-18-F	46	2.06	4-Detailed Design	16	1946	38%	Apr-16
37-18-K	12	2.85	2-Selection	20	1949	27%	Jan-17
30-18	47	2.58	5-Construction	16	1943	23%	Jul-14
44-654	50	0.01	6-Start Up/Turnover	6.625	1957	32%	Jun-14
31-09	52	12.81	7-Close-out	24	1958	24%	Jul-15
37-07 ⁽¹⁴⁾	53	2.68	5-Construction	16	1945	28%	Sep-14
33-121	59	0.16	3-Project Definition	26	1955	42%	Aug-16
41-6001-2	63	0.005	3-Project Definition	10.75	1967	44%	May-16
36-1032	64	1.54	6-Start Up/Turnover	8.625	1963	39%	May-14
36-1032 Section 4	N/A	N/A	4-Detailed Design	8.625	1963	39%	Jul-16
41-30-A	80	0.26	7-Close-out	12.75	1940	37%	Jul-14
41-30	82	3.95	3-Project Definition	10.75	1953	31%	Apr-16
38-200	86	0.23	4-Detailed Design	12.75	1948	23%	Jan-16
45-120X01	87	0.01	7-Close-out	8.625	1930	26%	Sep-13
38-501 ⁽⁶⁾	89	1.98		12.75	1952	43%	
38-501 Section 1			6-Start Up/Turnover				Jun-15
38-501 Section 2			3-Project Definition				Aug-16
36-1002	96	0.21	6-Start Up/Turnover	8.625	1928	26%	May-15
44-687	99	0.23	6-Start Up/Turnover	8.625	1946	46%	Sep-14
38-512	106	4.78	5-Construction	6.625	1939	32%	Mar-15
44-1008 Section 2B ⁽⁸⁾	107	10.06	4-Detailed Design	10.75	1937	39%	Jan-17

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Dec-15 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in Dec-15
Pipeline-SCG							
35-20-N	113	0.010	7-Close-out	6.625	1929	51%	Aug-14
38-539	124	12.08	6-Start Up/Turnover	10.75	1964	23%	Oct-14
36-9-21	126	5.06	3-Project Definition	10.75	1950	22%	Mar-17
44-720	132	1.17	6-Start Up/Turnover	8.625	1947	46%	Jun-15
41-201	138	0.01	3-Project Definition	4.5	1957	36%	Apr-16
41-116	142	0.006	3-Project Definition	4.5	1957	30%	Apr-16
41-116BP1	143	0.002	3-Project Definition	3.5	1957	34%	Apr-16
225	N/A	N/A	4-Detailed Design	34	1959	48%	Mar-16
235W Sawtooth Canyon	N/A	N/A	6-Start Up/Turnover	30	1957	69%	Oct-14
38-931	N/A	N/A	3-Project Definition	8.625	1942	31%	Apr-17
38-504	N/A	N/A	4-Detailed Design	12.75	1952	34%	Feb-16
38-514 ⁽¹⁵⁾	N/A	N/A		10.75	1945	38%	
38-514 Section 1			3-Project Definition				May-16
38-514 Section 2			4-Detailed Design				Jan-16
36-9-09 South	N/A	N/A	4-Detailed Design	10.75	1951	33%	Jan-16
36-9-09-JJ	N/A	N/A	3-Project Definition	6.625	1920	24%	Mar-16
85 South Newhall	N/A	N/A	6-Start Up/Turnover	26	1931	48%	Dec-14
Somis Station	N/A	N/A	3-Project Definition	16	1951	48%	Apr-16
Storage ⁽⁷⁾	-	2.83		various	various	various	
Playa Del Rey Phase 1&2			7-Close-out				Aug-13
Playa Del Rey Phase 5			7-Close-out				Mar-15
Goleta			3-Project Definition				Apr-16
36-1001-P1B-01	N/A	N/A	2-Selection	12.75	1925	31%	Mar-16
36-1032-P1B-01	N/A	N/A	2-Selection	8.625	1928	27%	May-16
36-37-P1B-01	N/A	N/A	2-Selection	15	1927	36%	May-16
36-1002-P1B-01	N/A	N/A	3-Project Definition	8.625	1928	26%	Jun-16
43-121-P1B-01	N/A	N/A	2-Selection	26	1930	31%	Oct-16
45-1001-P1B-01	N/A	N/A	2-Selection	12.75	1925	31%	Oct-16
38-931-P1B-01	N/A	N/A	3-Project Definition	12.75	1942	39%	Nov-16
36-9-09N-P1B-01	N/A	N/A	3-Project Definition	6.625	1920	24%	Mar-17
38-101-P1B-01	N/A	N/A	2-Selection	12.75	1921	41%	Apr-17
38-960-P1B-01	N/A	N/A	3-Project Definition	12.75	1928	41%	May-17
44-1008-P1B-01	N/A	N/A	2-Selection	10.75	1937	25%	May-17
38-143-P1B-01	N/A	N/A	2-Selection	16	1939	37%	Nov-17
38-1102-P1B-01	N/A	N/A	3-Project Definition	12.75	1938	29%	May-16
7043-P1B-01	N/A	N/A	N/A	12.75	1930	41%	Mar-16
127-P1B-01	N/A	N/A	2-Selection	16	1944	57%	Apr-16
1004-P1B-01	N/A	N/A	2-Selection	16	1945	49%	Jul-17
38-KWB-P1B-01	N/A	N/A	6-Start Up/Turnover	Various	Various	Various	Oct-15
103	N/A	N/A	2-Selection	10.75	1941	42%	Jan-17
Pipeline-SDG&E							
49-28	1	4.89	5-Construction	16	1932	26%	Sep-14
49-17	2	5.812		16	1948	43%	
49-17 East			5-Construction				Jun-15
49-17 West			5-Construction				Oct-14
49-25	4	2.278	5-Construction	16	1960	30%	Aug-14
49-32	5	0.06	6-Start Up/Turnover	16	1950	25%	Jun-14
49-16 ⁽⁶⁾	6	9.590		16	1955	29%	
49-16 Pipeline			5-Construction				Mar-15
49-16 4th & Palm			4-Detailed Design				Jul-16
49-16 Gate Station			4-Detailed Design				Oct-16
49-11	7	6.30	5-Construction	20	1969	31%	Jun-15
49-26	10	2.615	5-Construction	12	1958	24%	Oct-14
49-14	14	2.45	6-Start Up/Turnover	16	1959	30%	Sep-14
49-15 ⁽¹¹⁾	15	6.60		10.75	1950	31%	
49-15 (REPL)			5-Construction				Nov-15
49-15 Transmission			5-Construction				Nov-15
49-22	16	4.04	6-Start Up/Turnover	10.75	1951	36%	Apr-14
49-13	18	3.46	5-Construction	10.75	1959	25%	Jul-15
49-32-L	N/A	0.115	4-Detailed Design	10.75	1965	25%	Feb-16

⁽¹⁾ Stage Categories: - These categories represent seven stages of a pipe project's lifecycle. Stage 1 Project Initiation, Stage 2 Selection, Stage 3 Project Definition, Stage 4 Detailed Design/Procurement, Stage 5 Construction, Stage 6 Start-up/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 its 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-XO1, 2000-0.18-XO2, 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 sections 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⁾ 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⁾ Project "2000-C/2001W-C Desert Bundle" has been separated into 4 projects: 2000-C, 2001 West-C, 2000-D, and 2001 West-D.

⁽¹¹⁾ Project "49-15" has been separated into 2 projects: "49-15 (REPL)" and "49-15 Transmission"

⁽¹²⁾ Projects "36-9-09 North Section 4A" and "36-9-09 North Section 4B" have been merged as one project "36-9-09 North Section 4"

⁽¹³⁾ Projects "42-66-1" and "42-66-2" have been merged as one project "42-66-1&2"

⁽¹⁴⁾ Project Lifecycle has been revised to reflect their current status.

⁽¹⁵⁾ Project 38-514 has been separated into 2 projects: "38-514 Section 1" and "38-514 Section 2"

⁽¹⁶⁾ Project 406 has been separated into 2 projects: "406" and "406 Section 3"

SCG and SDGE PSEP Cost Report to the Commission for December 2015

Appendix B Active Projects

SCG	(in \$1,000)	
PSEP Pipeline Projects	December	Project-To-Date Total
Line 85 North	(1,264)	(1)
Line 85 South	(405)	221
Line 85 South Newhall	(174)	6,800
Line 103	1	13
Line 127	14	144
Line 128	2	6
Line 225	239	1,840
Line 1004	197	10,583
Line 1005	(189)	5,583
Line 1011	42	2,397
Line 1013	64	2,349
Line 1014	49	784
Line 1015	(120)	5,058
Line 2000-A	-	22,427
Line 2000-Bridge	-	386
Line 2000-C	528	5,020
Line 2000-D	131	372
Line 2000-West	(1,643)	21,405
Line 2000-West Santa Fe Springs Station	680	1,224
Line 2000-0.18-B0	-	-
Line 2000-0.18-XO1	-	273
Line 2000-0.18-XO2	-	-
Line 2001 West-A	31	815
Line 2001 West-B	171	14,629
Line 2001 West-C	163	1,488
Line 2001 West-D	26	118
Line 2003	187	10,775
Line 235 West	60	3,344
Line 235 West Sawtooth Canyon	37	1,790
Line 30-18	2,046	20,917
Line 31-09	(1,584)	(224)
Line 32-21	532	9,448
Line 33-120 Section 1	86	2,371
Line 33-120 Section 2	187	7,061
Line 33-120 Section 3	101	1,252
Line 33-121	34	1,007
Line 35-20	-	10
Line 35-20-N	26	223
Line 36-9-09 JJ	82	367
Line 36-9-09 North	178	332
Line 36-9-09 North Section 1	1,395	23,920
Line 36-9-09 North Section 2A	1	104
Line 36-9-09 North Section 2B	29	2,729
Line 36-9-09 North Section 3	706	15,634
Line 36-9-09 North Section 4	130	6,902
Line 36-9-09 North Section 5	336	2,950
Line 36-9-09 North Section 6	(272)	3,404
Line 36-9-09 North Section 7	1,532	17,143
Line 36-9-09 South	236	662
Line 36-1001	4	54
Line 36-1002	29	1,767
Line 36-1032	331	10,333
Line 36-9-21	15	643
Line 36-37	202	1,834
Line 37-07	988	26,270
Line 37-18	255	27,311
Line 37-18 F	92	2,235

SCG and SDGE PSEP Cost Report to the Commission for December 2015

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	December	Project-To-Date Total
Line 37-18 K	31	132
Line 38-101	55	116
Line 38-143	28	82
Line 38-200	185	2,414
Line 38-501	369	5,072
Line 38-504	255	1,136
Line 38-512	3,329	25,908
Line 38-512 Section 3	3	3
Line 38-514	(919)	273
Line 38-539	34	14,591
Line 38-556	1	424
Line 38-931	(109)	637
Line 38-960	(111)	562
Line 38-1102	1	143
Line 38-KWB-P1B-01	948	1,198
Line 404	1,980	19,727
Line 406	(299)	10,120
Line 404/406 Somis Station	1	22
Line 407	12	6,021
Line 41-04ST1	-	-
Line 41-17	-	29
Line 41-17-F	-	-
Line 41-116	-	2
Line 41-116BP1	-	7
Line 41-201	-	1
Line 41-30	2	42
Line 41-30-A	15	391
Line 41-6000-2	6,291	36,169
Line 41-6001-2	-	244
Line 42-66-1	-	681
Line 42-66-2	-	-
Line 43-121	584	26,523
Line 44-1008	5	1,453
Line 44-137	(1,466)	20,194
Line 44-687	416	4,808
Line 44-719	-	1
Line 44-654	41	1,771
Line 44-720	1,104	8,936
Line 45-1001	1	61
Line 45-120 Section 1	165	5,754
Line 45-120 Section 2	1,609	33,484
Line 45-120X01	-	750
Line 4000	-	87
Valves	8,116	94,737
Storage Field- Playa Del Rey Phase	(341)	2,514
Storage Field- Goleta	18	112
Methane Detectors	19	43
Communications *	33	1,674
Construction *	(658)	4,504
Engineering *	(1,287)	10,943
Training *	(2)	2,126
Gas Control *	-	206
Environmental *	(218)	898
Supply Management *	542	7,592
General Administration *	2,563	10,215
Program Management Office *	(274)	8,992
Total SCG PSEP Pipeline and Valve Projects	29,595	681,029

*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 Table Notes:

- (1) Costs reflect actuals for the month of December and project-to-date costs from May 2012 to December 2015.
- (2) Project costs do not reflect year to date actuals. There is some lag time in getting costs posted.
- (3) Costs are in nominal direct dollars.
- (4) Costs recovery will include indirects and applicable loaders.
- (5) As of December 2015, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$46,981,956 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).
- (6) As of December 2015, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,603 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).
- (7) As of December 2015, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBAA) reflects a balance of \$100,092,231 which includes balancing account interest. The decrease from the November 2015 report due to (1) removal of disallowed costs (post-1961 costs) and (2) transfer of ~\$4 million from O&M to capital in December 2015 for Line 2000 West.
- (8) As of December 2015, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBAA) reflects a balance of \$6,897,350 which includes balancing account interest.
- (9) As of December 2015, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$16,148,263 which includes balancing account interest.
- (10) As of December 2015, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$3,019,686 which includes balancing account interest. SDG&E's SECCBA decreased from the November 2015 report as a result of the 2015 bonus depreciation true-up.

SCG and SDGE PSEP Cost Report to the Commission for December 2015

Appendix B Active Projects

SDGE	(in \$1,000)	
PSEP Pipeline Projects	December	Project-To-Date Total
Line 1600 South	347	411
Line 3602	1,147	10,338
Line 49-11 ¹¹	(945)	3,682
Line 49-13	2,283	11,744
Line 49-14	6	3,877
Line 49-15 Distribution	843	7,563
Line 49-15 Transmission	997	1,000
Line 49-16 Pipeline	(1,316)	6,218
Line 49-16 La Mesa Gate Station	12	13
Line 49-16 4th & Palm	1	1
Line 49-17 East	1,304	17,762
Line 49-17 West	458	16,855
Line 49-20	-	-
Line 49-22	181	3,839
Line 49-25	2,443	19,418
Line 49-26	280	7,700
Line 49-28	993	29,205
Line 49-32 (Replacement)	310	5,513
Valves	(607)	2,164
Communications *	(33)	103
Construction *	59	670
Engineering *	(162)	1,005
Training *	(330)	635
Gas Control *	(1)	27
Environmental *	(32)	-
Supply Management *	(90)	1,482
General Administration *	(116)	1,155
Program Management Office *	(50)	863
Total SDGE PSEP Pipeline and Valve Projects	7,983	153,242

*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 Table Notes:

- (1) Costs reflect actuals for the month of December and project-to-date costs from May 2012 to December 2015.
- (2) Project costs do not reflect year to date actuals. There is some lag time in getting costs posted.
- (3) Costs are in nominal direct dollars.
- (4) Costs recovery will include indirects and applicable loaders.
- (5) As of December 2015, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$46,981,956 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).
- (6) As of December 2015, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,603 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).
- (7) As of December 2015, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBAA) reflects a balance of \$100,092,231 which includes balancing account interest. The decrease from the November 2015 report due to (1) removal of disallowed costs (post-1961 costs) and (2) transfer of ~\$4 million from O&M to capital in December 2015 for Line 2000 West.
- (8) As of December 2015, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBAA) reflects a balance of \$6,897,350 which includes balancing account interest.
- (9) As of December 2015, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$16,148,263 which includes balancing account interest.
- (10) As of December 2015, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$3,019,686 which includes balancing account interest. The decrease from the November 2015 report due to 2015 tax true-up regarding Bonus Depreciation.
- (11) A portion of the cost for Line 49-11 has been disallowed (post-61 costs) and removed from Appendix B.

SCG and SDGE PSEP Cost Report to the Commission for December 2015

Appendix B

Projects Remediated or Removed

SCG	(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed Due to Successful Locating of Records	December	Project-To-Date Total
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	-	41
Line 38-508	-	-
Line 38-516	-	-
Line 38-523	-	58
Line 38-528	-	22
Line 38-552	-	-
Line 38-959	-	-
Line 41-117	-	-
Line 41-181	-	28
Line 41-19	-	27
Line 41-25	-	1
Line 41-207BR1	-	76
Line 41-35-1-KST2	-	-
Line 41-80	-	41
Line 1003	-	-
Line 1003LT2	-	-
Line 1017BP1	-	-
Line 1017BP2	-	-
Line 1017BP3	-	-
Line 1017BR4	-	-
Line 1017BR5	-	-
Line 1017BR6	-	-
Line 1017BR7	-	-
Line 1018	-	-
Line 1020	-	85
Line 1024	-	2
Line 1025	-	-
Line 1171LT2	-	-
Line 1171LT1BP2	-	-
Line 1172 BP2ST1	-	-
Line 1172 BP2ST2	-	2
Line 1172 BP2ST3	-	-
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-BO	-	-
Line 3000-261.73-BR	-	-
Line 30-02	-	-
Line 30-02-U	-	-
Line 30-09-A	-	-
Line 30-6200	-	-
Line 30-32	-	(5)
Line 30-6209	-	-
Line 30-6292	-	-
Line 30-6543	-	-
Line 30-6799	-	-

SCG and SDGE PSEP Cost Report to the Commission for December 2015

Appendix B

Projects Remediated or Removed

SCG (continued)		(in \$1,000)
PSEP Pipeline Projects - Remediated or Removed Due to Successful Locating of Records	December	Project-To-Date Total
Line 30-6799BR1	-	-
Line 317	-	-
Line 32-90	-	-
Line 35-10	-	(2)
Line 35-20-A	-	17
Line 35-20-A1	-	-
Line 35-22	-	-
Line 35-39	-	-
Line 35-40	-	-
Line 35-6405	-	-
Line 35-6416	-	-
Line 35-6520	-	38
Line 36-1006	-	-
Line 36-6588	-	-
Line 36-7-04	-	-
Line 36-9-21BR1	-	-
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-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	-	2
Line 53	-	-
Line 6100	-	-
Line 765-8.24-BO	-	-
Line 765BR4	-	-
Line 775	-	-
Line 775BO1	-	-
Line 8107	-	-
Total SCG PSEP Pipeline Projects - Remediated Outside of PSEP or Removed Due to Successful Locating of Records	-	662

SDG&E		(in \$1,000)
PSEP Pipeline Projects - Remediated or Removed Due to Successful Locating of Records	December	Project-To-Date Total
Line 49-18	-	-
Line 49-19	-	-
Line 49-27	-	-
Line 49-32 (Test)	-	-
Total SDG&E PSEP Pipeline Projects - Remediated Outside of PSEP or Removed Due to Successful Locating of Records	-	-

SCG and SDGE PSEP Cost Report to the Commission for December 2015

Appendix C - Records Review and Interim Safety Measure Costs

SCG	(in \$1,000)	
	December	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	(in \$1,000)	
	December	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 Table Notes:

- (1) Costs reflect actuals for the month of December and project-to-date costs from May 2012 to December 2015.
- (2) Project costs do not reflect year to date actuals. There is some lag time in getting costs posted.
- (3) Costs are in nominal direct dollars.
- (4) Costs recovery will include indirects and applicable loaders.
- (5) As of December 2015, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$46,981,956 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).
- (6) As of December 2015, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,603 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).

PSEP - SCG / SDG&E

Appendix D - Active Valve Projects List as of December 2015

Valve Projects	Dec-15 No. of Valves ⁽¹⁾	Dec-15 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in Dec-15	Project-To-Date Total (in \$1,000)
Valves-SoCalGas				
Bain Street Station	2	Stage 5-6 Construction / Turnover	Dec-13	866
Chino Station	5	Stage 5-6 Construction / Turnover	Dec-13	988
Moreno Small	2	Stage 5-6 Construction / Turnover	Jan-14	665
Prado Station	5	Stage 5-6 Construction / Turnover	Jan-14	1,158
Haskell Station	2	Stage 5-6 Construction / Turnover	Jan-14	673
Moreno Large	1	Stage 5-6 Construction / Turnover	Jan-14	512
Whitewater Station	3	Stage 5-6 Construction / Turnover	Mar-14	692
Santa Fe Springs	3	Stage 5-6 Construction / Turnover	Mar-14	706
Arrow & Haven	1	Stage 5-6 Construction / Turnover	May-14	953
235 - 335 Palmdale	6	Stage 5-6 Construction / Turnover	Jun-14	6,669
Puente Station	2	Stage 7 Close-out / Reconciliation	Jan-14	16
Brea Station-1013	1	Stage 7 Close-out / Reconciliation	Oct-14	240
Newhall Station	7	Stage 5-6 Construction / Turnover	Jan-15	8,495
407 Sullivan Canyon ⁽⁷⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	954
Victoria Station	4	Stage 5-6 Construction / Turnover	Dec-14	1,419
Alhambra Station	3	Stage 5-6 Construction / Turnover	Apr-15	2,742
Pixley Station	3	Stage 5-6 Construction / Turnover	Nov-14	1,271
2001W Seg 10-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-16	694
SGV	3	Stage 5-6 Construction / Turnover	Feb-15	4,730
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	5,615
Blythe⁽³⁾				
Blythe (Cactus City)	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	834
Blythe Station 2	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	394
Banning Airport	2	Stage 5-6 Construction / Turnover	Apr-15	2,068
Orange	3	Stage 5-6 Construction / Turnover	Apr-15	3,751
Palowalla	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	2,307
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	585
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	7,578
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	5,003
404-406 Valley	3	Stage 5-6 Construction / Turnover	Sep-15	1,403
Indio⁽⁴⁾				
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,174
Indio 2016	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	418
235-198.20 ⁽⁶⁾	N/A	N/A	N/A	-
L1004 MP 15.27 Carpinteria	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-16	87
Santa Barbara - 1005 ⁽¹⁰⁾	1	Stage 5-6 Construction / Turnover	Mar-15	324
L4000 MP 45.36 ⁽⁹⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-16	166
L4000 MP 53.00 ⁽⁸⁾	3	Stage 5-6 Construction / Turnover	May-15	1,941
L4000 MP 69.00 MLV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-18	543
L4000 MP 80.08 MLV	3	Stage 5-6 Construction / Turnover	May-15	963
L4002 MP 67.00 MLV ⁽¹²⁾	N/A	N/A	N/A	526
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	1,999
L1014 Olympic	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-16	1,370
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	1,872
Banning 2001	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-16	655
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	2,256
Quigley Station ⁽¹²⁾	N/A	N/A	N/A	80
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,074
Aviation	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-16	2,902
404 Ventura	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-16	1,864
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	1,316
Honor Ranch - L225	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	192
Los Alamitos ⁽¹²⁾	N/A	N/A	N/A	189
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-16	362
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	471
Fontana Bundle - L4002	1	Stage 5-6 Construction / Turnover	Jul-15	891
SL45-120 Section 2 ⁽⁵⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	83
235-335 East	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	416
L1017	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	127
L1018	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	128
L2000 Beaumont Riverside⁽¹¹⁾				
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	1,794
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	-

Valve Projects	Dec-15 No. of Valves ⁽¹⁾	Dec-15 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in Dec-15	Project-To-Date Total
L7000	12	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	274
Taft	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-18	308
Rainbow	12	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	630
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	1,070
Cabazon	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-18	6
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	817
L85 Templin Highway MP 137.99	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-18	78
43-121	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	77
Adelanto ⁽¹³⁾	4	N/A	Jun-17	2
Apple Valley ⁽¹³⁾	1	N/A	Mar-17	1
Burbank & Lindley	3	Stage 1 Project Initiation	Nov-16	15
Blythe COMMs ⁽¹³⁾	0	N/A	May-17	1
Del Amo Station ⁽¹³⁾	6	N/A	Sep-18	2
Del Amo / Wilmington	1	Stage 1 Project Initiation	Sep-16	37
Haskell Station FM ⁽¹³⁾	1	N/A	Feb-18	1
L2002 ⁽¹³⁾	0	N/A	Oct-16	2
L4000 Victorville ⁽¹³⁾	13	N/A	Feb-17	2
L6916 ⁽¹³⁾	6	N/A	Jun-17	4
Needles COMMs ⁽¹³⁾	1	N/A	Feb-17	1
Pico ⁽¹³⁾	8	N/A	Mar-18	11
Wilmington ⁽¹³⁾	6	N/A	Nov-17	35
L4002 MP 72.70 ⁽¹³⁾	1	N/A	Sep-18	-
Brea Hacienda Bundle ⁽¹³⁾	10	N/A	May-17	-
L4002 MP 86.44-FM ⁽¹³⁾	1	N/A	Jul-18	-
Yorba Station ⁽¹³⁾	1	N/A	Jan-18	-
Lampson Check Valves ⁽¹³⁾	1	N/A	Jan-18	56
L324 Bundle ⁽¹³⁾	7	N/A	Mar-18	-
235-335 West Bundle ⁽¹³⁾	7	N/A	Mar-18	4
Glendale Bundle ⁽¹³⁾	10	N/A	Sep-16	-
Western/Del Rey Bundle ⁽¹³⁾	9	N/A	May-18	-
L8109 Bundle ⁽¹³⁾	6	N/A	Dec-16	-
Willow Station ⁽¹³⁾	4	N/A	May-17	1
Victorville COMMs ⁽¹³⁾	1	N/A	Dec-16	-
Ventura Station ⁽¹³⁾	6	N/A	May-17	-
Chestnut & Grand ⁽¹³⁾	4	N/A	Dec-17	-
L247 Goleta ⁽¹³⁾	1	N/A	Dec-16	1
404-406 Ventura 2016 Bundle ⁽¹³⁾	1	N/A	Jun-16	1
L225 Bundle	5	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-18	-
SB County Bundle	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-19	137
Spence Station ⁽¹³⁾	4	N/A	Jun-17	-
Carpenteria Bundle ⁽¹³⁾	N/A	N/A	N/A	-
Santa Barbara Bundle ⁽¹³⁾	N/A	N/A	N/A	-
Goleta Bundle ⁽¹³⁾	N/A	N/A	N/A	-
Total SoCalGas Valves				94,737
Valve Projects	Valves ⁽¹⁾	Dec-15 Project Lifecycle Stage ⁽²⁾	Date (Est.) Reported	Total
Valves-SDG&E				(in \$1,000)
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	94
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	198
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	1,745
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-16	17
49-16 RCV (4th & Palm)	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	2
49-16 RCV (La Mesa Gate)	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	2
49-16 RCV (Mass&Main)	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-16	36
49-32-L RCV	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-16	70
Total SDG&E Valves				2,164

⁽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

⁽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/

⁽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

⁽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 235-198.20 is in the process of being descoped from PSEP. Final costs are being adjusted accordingly.

⁽⁷⁾ Valve Bundle "407 San Vicente" 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⁾ Valve Bundle is in the process of being descoped from PSEP. Final costs are being adjusted accordingly.

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