

July 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 July 2016.

II. Current Status

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

Pipelines:

1. No new construction activity for the month of July
2. 21 pipeline projects are in Construction (Stage 5)
3. 11 pipeline projects are in Start Up/Turnover (Stage 6)
4. 39 pipeline projects are in Close-Out (Stage 7)

Valves:

1. No new construction activity for the month of July
2. 28 valve projects are in construction/turnover (Stages 5-6)
3. 16 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 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 July 2016*
- 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 Active Projects Table, Footnote 16:
Project “37-18” has been separated in to 2 projects “37-18” and “37-18 Section 5”.
- Appendix A, SoCalGas Active Projects Table, Footnote 17:
Project “30-18” has been separated in to 2 projects “30-18” and “30-18 Section 3”
- Appendix B, SoCalGas Active Projects Table:
The difference in July Project-to-Date cost for “Total SCG PSEP Pipeline and Valve Projects” is a result of transfer of projects “44-719”, “35-20” and “4000” from active projects table to remediated or removed table. There is no actual cost increase/decrease, only re-classification.

PSEP - SCG / SDG&E					
Appendix A - Active Projects List as of July 2016					
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	July-16 Project Lifecycle Stage ⁽¹⁾	Predominant Vintage	Construction Start Date (Est.) Reported in July-16
Pipeline-SCG					
2000 ⁽³⁾	1	117.6 ⁽³⁾		1947	
2000-A			Closed		Jun-13
2000-Bridge			3-Project Definition		Jul-17
2000-West ⁽⁶⁾					
Section 1,2,3			7-Close-out		Jul-14
Santa Fe Springs Sta.			4-Detailed Design		Oct-16
2001 West ⁽⁴⁾	3	64.10		1950	
2001 West - A			7-Close-out		Apr-14
2001 West - B ⁽⁶⁾					
Section 10,11,14			6-Start Up/Turnover		Aug-14
Section 17,18,19			7-Close-out		Aug-15
2000-C/2001W - C Desert Bundle ⁽³⁾⁽⁴⁾⁽⁶⁾					
2000-C			4-Detailed Design		Apr-18
2001 West - C			4-Detailed Design		Aug-18
2000-D			3-Project Definition		Dec-18
2001 West - D			3-Project Definition		Mar-19
1005	4	3.50	7-Close-out	1949	Sep-14
2003 ⁽⁶⁾	6	26.50		1949	
Line 2003			7-Close-out		Aug-14
Line 2003 Section 2			7-Close-out		Jul-15
407	7	6.30	7-Close-out	1951	Mar-14
406 ⁽⁶⁾	9	20.70		1951	
Section 1,2,2A,4,5			7-Close-out		Aug-14
Section 3			5-Construction		Jun-16
235 West	10	3.10	6-Start Up/Turnover	1957	Jun-14
1013	11	3.50	7-Close-out	1954	Jul-14
1015	12	7.85	7-Close-out	1954	Aug-14
1004	13	19.70	7-Close-out	1944	May-15
404 ⁽⁶⁾	14	37.80		1949	
Section 1			7-Close-out		Sep-15
Section 2			7-Close-out		Sep-15
Section 2A			4-Detailed Design		Mar-17
Section 3,7&8,8A			7-Close-out		Feb-14
Section 3A			4-Detailed Design		Aug-16
Section 4&5			7-Close-out		Sep-15
Section 4A			4-Detailed Design		Jan-18
Section 9			5-Construction		Jun-16
44-137	15	1.00	7-Close-out	1950	Nov-14
2000-0.18-BO Crossover Piping ⁽⁵⁾			3-Project Definition		Jul-17
2000-0.18-BO	23	0.01		1952	
2000-0.18-XO1	43	0.01		1952	
2000-0.18-XO2	16	0.01		1961	
1014	18	0.003	7-Close-out	1959	Oct-14
43-121 ⁽⁶⁾	22	4.41		1930	
43-121 North			4-Detailed Design		Aug-16
43-121 South			5-Construction		Aug-14
33-120 ⁽⁶⁾	24	1.25		1940	
Section 1			4-Detailed Design		Jun-17
Section 2			7-Close-out		Jun-14
Section 3			4-Detailed Design		Nov-16
45-120 ⁽⁶⁾	25	4.30		1930	
Section 1			7-Close-out		Mar-14
Section 2			5-Construction		Sep-14
32-21 ⁽⁶⁾	26	10.23		1948	
Section 1			7-Close-out		May-15
Section 2			5-Construction		Jun-16
Section 3			4-Detailed Design		Sep-16
41-6000-2 ⁽⁹⁾	27	39.95	5-Construction	1948	Sep-15
36-9-09 North ⁽⁶⁾	29	16.02		1932	
Section 1			5-Construction		May-15
Section 2A			4-Detailed Design		Jul-18
Section 2B			7-Close-out		Jun-14
Section 3			6-Start Up/Turnover		Dec-14
Section 4 ⁽¹²⁾			5-Construction		Sep-14
Section 5			5-Construction		Feb-16
Section 6A			7-Close-out		Mar-15
Section 6B			3-Project Definition		Aug-17
Section 7A			4-Detailed Design		Sep-16
Section 7B			7-Close-out		May-15
1011	36	5.14	7-Close-out	1955	Jul-14

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	July-16 Project Lifecycle Stage ⁽¹⁾	Predominant Vintage	Construction Start Date (Est.) Reported in July-16
Pipeline-SCG					
36-37	38	0.02	7-Close-out	1970	May-14
42-66-1&2 ⁽¹⁰⁾			Closed		Oct-13
42-66-1	40	0.04		1947	
42-66-2	41	0.03		1947	
37-18 ⁽¹⁶⁾	45	4.16		1945	
37-18			5-Construction		Oct-14
Line 37-18 Section 5			3-Project Definition		May-17
37-18-F	46	2.06	4-Detailed Design	1946	Aug-16
37-18-K	12	2.85	3-Project Definition	1949	Mar-17
30-18 ⁽¹⁷⁾	47	2.58		1943	
30-18			5-Construction		Jul-14
30-18 Section 3			3-Project Definition		Nov-17
44-654	50	0.01	6-Start Up/Turnover	1957	Jun-14
31-09 ⁽¹⁴⁾	52	12.81	6-Start Up/Turnover	1958	Jul-15
37-07	53	2.68	6-Start Up/Turnover	1945	Sep-14
33-121 (REPL) ⁽¹⁵⁾	59	0.16	3-Project Definition	1955	Apr-17
41-6001-2	63	0.005	3-Project Definition	1967	Nov-16
36-1032 (REPL) ⁽¹⁵⁾	64	1.54	7-Close-out	1963	May-14
36-1032 Section 4	N/A	N/A	4-Detailed Design	1963	Jun-17
41-30-A	80	0.26	Closed	1940	Jul-14
41-30	82	3.95	4-Detailed Design	1953	Aug-16
38-200	86	0.23	6-Start Up/Turnover	1948	Apr-16
45-120X01	87	0.01	Closed	1930	Sep-13
38-501 ⁽⁶⁾	89	1.98		1952	
Section 1			7-Close-out		Jun-15
Section 2			4-Detailed Design		Aug-16
36-1002	96	0.21	7-Close-out	1928	May-15
44-687	99	0.23	7-Close-out	1946	Sep-14
38-512 ⁽⁶⁾	106	4.78		1939	
Line 38-512			7-Close-out		Mar-15
Line 38-512 Section 3			3-Project Definition		Mar-17
44-1008 Section 2B ⁽⁸⁾	107	10.06	4-Detailed Design	1937	Oct-17
35-20-N	113	0.010	Closed	1929	Aug-14
38-539	124	12.08	7-Close-out	1964	Oct-14
36-9-21	126	5.06	3-Project Definition	1950	Sep-17
44-720	132	1.17	7-Close-out	1947	Jun-15
41-201	138	0.01	3-Project Definition	1957	Sep-16
41-116	142	0.006	3-Project Definition	1957	Oct-16
41-116BP1	143	0.002	3-Project Definition	1957	Oct-16
225	N/A	N/A	4-Detailed Design	1959	Mar-17
235W Sawtooth Canyon	N/A	N/A	7-Close-out	1957	Oct-14
38-931	N/A	N/A	3-Project Definition	1942	Oct-16
38-504	N/A	N/A	4-Detailed Design	1952	Sep-16
38-514 ⁽⁶⁾	N/A	N/A		1945	
Section 1			6-Start Up/Turnover		May-16
Section 2			6-Start Up/Turnover		Feb-16
36-9-09 South	N/A	N/A	6-Start Up/Turnover	1951	Apr-16
36-9-09-JJ	N/A	N/A	5-Construction	1920	Jun-16
85 ⁽¹³⁾	N/A	N/A	3-Project Definition		TBD
85 South Newhall	N/A	N/A	7-Close-out	1931	Dec-14
404-406 Somis Station ⁽¹¹⁾	N/A	N/A	3-Project Definition	1951	Jun-17
Storage ⁽⁷⁾	-	2.83		various	
Playa Del Rey Phase 1&2			Closed		Aug-13
Playa Del Rey Phase 5			7-Close-out		Mar-15
Goleta			3-Project Definition		Apr-17
L128-P1B-01			2-Selection		Nov-16
36-1001-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1925	Mar-18
36-1032-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1928	May-18
36-37-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1927	May-18
36-1002-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1928	Jun-18
43-121-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1930	Oct-18
45-1001-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1925	Oct-18
38-931-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1942	Nov-18
36-9-09N-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1920	Mar-18
38-101-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1921	Apr-18
38-960-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1928	May-18
44-1008-P1B-01 ⁽¹⁴⁾	N/A	N/A	2-Selection	1937	May-18
38-143-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1939	Nov-18
38-1102-P1B-01 ⁽¹⁴⁾	N/A	N/A	2-Selection	1938	May-18
7043-P1B-01	N/A	N/A	1-Project Initiation	1930	Mar-18
127-P1B-01	N/A	N/A	2-Selection	1944	Apr-18
1004-P1B-01	N/A	N/A	3-Project Definition	1945	Jul-18
38-KWB-P1B-01	N/A	N/A	7-Close-out	Various	Oct-15
38-514-P1B-01 ⁽¹⁴⁾	N/A	N/A	3-Project Definition	1945	Mar-18
103 ⁽¹⁴⁾	N/A	N/A	2-Selection	1941	Jan-18
41-17	57	3.580	N/A	1955	Sep-16
41-17-F	60	0.030	N/A	1955	Sep-16

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	July-16 Project Lifecycle Stage ⁽¹⁾	Predominant Vintage	Construction Start Date (Est.) Reported in July-16
Pipeline-SCG					
Pipeline-SDG&E					
PSRP Line 1600/3602 ⁽¹³⁾	N/A	47.00	4-Detailed Design		TBD
49-28	1	4.89	5-Construction	1932	Sep-14
49-17	2	5.812		1948	
49-17 East			5-Construction		Jun-15
49-17 West			5-Construction		Oct-14
49-25	4	2.278	5-Construction	1960	Aug-14
49-32 (REPL) ⁽¹⁵⁾	5	0.06	7-Close-out	1950	Jun-14
49-16 ⁽⁶⁾	6	9.590		1955	
49-16 Pipeline			5-Construction		Mar-15
49-16 4th & Palm			4-Detailed Design		Jun-17
49-16 Gate Station			4-Detailed Design		Jun-17
49-11	7	6.30	6-Start Up/Turnover	1969	Jun-15
49-26	10	2.615	5-Construction	1958	Oct-14
49-14	14	2.45	7-Close-out	1959	Sep-14
49-15 ⁽⁶⁾	15	6.60		1950	
49-15 (REPL)			5-Construction		Nov-15
49-15 Transmission			5-Construction		Nov-15
49-22	16	4.04	7-Close-out	1951	Apr-14
49-13	18	3.46	5-Construction	1959	Jul-15
49-32-L	N/A	0.115	4-Detailed Design	1965	Aug-16
49-20	3	0.040	N/A	N/A	Oct-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 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".

⁽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⁾ 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.

⁽¹⁴⁾ 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.

⁽¹⁵⁾ Project name has been changed to include "(REPL)" at the end of the project name.

⁽¹⁶⁾ Project 37-18 has been separated in to 2 projects: 37-18 and 37-18 Section 5

⁽¹⁷⁾ Project 30-18 has been separated in to 2 projects: 30-18 and 30-18 Section 3

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B Active Projects

SCG		(in \$1,000)
PSEP Pipeline Projects	July	Project-To-Date Total
Line 85	171	2,997
Line 85 South Newhall	14	8,217
Line 103	-	33
Line 127	1	213
Line 128	-	42
Line 225	15	2,446
Line 1004	25	13,966
Line 1005	-	5,820
Line 1011	-	2,419
Line 1013	-	2,420
Line 1014	-	825
Line 1015	-	2,455
Line 2000-A	-	22,427
Line 2000-Bridge	-	392
Line 2000-C	47	6,020
Line 2000-D	12	1,217
Line 2000-E	(22)	95
Line 2000-West	66	23,188
Line 2000-West Santa Fe Springs Station	45	2,090
Line 2000-0.18-B0	-	-
Line 2000-0.18-XO1	-	273
Line 2000-0.18-XO2	-	-
Line 2001 West-A	-	745
Line 2001 West-B	(30)	11,874
Line 2001 West - B Section 17, 18, 19	(21)	5,112
Line 2001 West-C	(37)	1,914
Line 2001 West-D	27	545
Line 2001 West-E	(10)	90
Line 2003	-	8,815
Line 2003 Section 2	(9)	2,658
Line 235 West	-	3,402
Line 235 West Sawtooth Canyon	-	1,884
Line 30-18	42	23,123
Line 31-09	52	(6)
Line 32-21 Section 1	(65)	11,004
Line 32-21 Section 2	296	1,625
Line 32-21 Section 3	32	479
Line 33-120 Section 1	23	2,921
Line 33-120 Section 2	-	7,052
Line 33-120 Section 3	26	1,761
Line 33-121	8	1,207
Line 35-20-N	-	231
Line 36-9-09 JJ	34	615
Line 36-9-09 North	36	1,307
Line 36-9-09 North Section 1	195	37,938
Line 36-9-09 North Section 2A	-	88
Line 36-9-09 North Section 2B	1	2,950
Line 36-9-09 North Section 3	(130)	22,974
Line 36-9-09 North Section 4	(99)	7,996
Line 36-9-09 North Section 5	(204)	8,805
Line 36-9-09 North Section 5A	889	1,328
Line 36-9-09 North Section 5C	59	138
Line 36-9-09 North Section 6	21	3,800
Line 36-9-09 North Section 7	(142)	23,980
Line 36-9-09 South	98	1,757
Line 36-1001	17	87
Line 36-1002	90	2,535
Line 36-1032 (REPL)	33	10,503
Line 36-1032 Section 4	-	1,248

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	July	Project-To-Date Total
Line 36-9-21	4	680
Line 36-37	181	2,813
Line 37-07	(138)	26,515
Line 37-18	2,034	33,108
Line 37-18 F	56	3,455
Line 37-18 K	3	102
Line 38-101	5	296
Line 38-143	2	227
Line 38-200	219	7,032
Line 38-501 Section 1	1	5,043
Line 38-501 Section 2	314	1,542
Line 38-504	109	1,978
Line 38-512	27	27,248
Line 38-512 Section 3	2	199
Line 38-514	37	170
Line 38-514 Section 1	199	1,653
Line 38-514 Section 2	136	10,954
Line 38-539	-	15,475
Line 38-556	66	601
Line 38-931	92	1,310
Line 38-960	215	1,356
Line 38-1102	83	276
Line 38-KWB-P1B-01	67	1,802
Line 404	-	15
Line 404 Section 1	(39)	2,324
Line 404 Section 2	60	3,775
Line 404 Section 2A	14	93
Line 404 Section 3,7&8,8A	(7)	8,621
Line 404 Section 3A	(47)	978
Line 404 Section 4&5	(51)	6,084
Line 404 Section 4A	51	525
Line 404 Section 9	114	1,090
Line 406	3	9,683
Line 406 Section 3	893	2,470
Line 404/406 Somis Station	41	628
Line 407	1	6,361
Line 41-04ST1	-	-
Line 41-17	5	51
Line 41-17-F	-	-
Line 41-116	-	12
Line 41-116BP1	-	8
Line 41-201	-	3
Line 41-30	-	122
Line 41-30-A	-	429
Line 41-6000-2	3,711	75,055
Line 41-6001-2	-	246
Line 42-66-1	-	681
Line 42-66-2	-	-
Line 43-121	2	212
Line 43-121 North	227	4,625
Line 43-121 South	465	23,901
Line 44-1008	-	1,195
Line 44-137	(38)	21,859
Line 44-687	4	4,969
Line 44-654	-	1,825
Line 44-720	22	9,510
Line 45-1001	33	238
Line 45-120 Section 1	-	5,818
Line 45-120 Section 2	439	36,066

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	July	Project-To-Date Total
Line 45-120X01	-	750
Line 7043	4	21
Valves	3,174	128,991
Storage Field- Playa Del Rey	13	2,581
Storage Field- Goleta	7	198
Methane Detectors	-	317
Communications *	4	1,082
Construction *	295	2,832
Engineering *	488	5,709
Training *	72	1,241
Gas Control *	6	63
Environmental *	15	478
Supply Management *	338	4,844
General Administration *	322	11,766
Program Management Office *	332	4,253
Total SCG PSEP Pipeline and Valve Projects	16,294	850,469

*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 July and project-to-date costs from May 2012 to July 2016.
- (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 July 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,108,170 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 July 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,828 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 July 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$115,649,492 which includes balancing account interest.
- (8) As of July 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$8,266,788 which includes balancing account interest.
- (9) As of July 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$44,882,654 which includes balancing account interest.
- (10) As of July 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$7,530,674 which includes balancing account interest.

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B Active Projects

SDGE		(in \$1,000)
PSEP Pipeline Projects	July	Project-To-Date Total
Line 1600 South	32	444
PSRP L1600/ 3602	2,283	16,775
Line 49-11	(33)	4,353
Line 49-13	1,122	18,909
Line 49-14	-	4,043
Line 49-15 Distribution	907	15,277
Line 49-15 Transmission	125	5,568
Line 49-16 Pipeline	274	8,394
Line 49-16 La Mesa Gate Station	98	263
Line 49-16 4th & Palm	7	392
Line 49-17 East	(320)	32,861
Line 49-17 West	62	17,804
Line 49-20	-	-
Line 49-22	-	4,048
Line 49-25	(2,429)	19,924
Line 49-26	6,237	26,002
Line 49-28	(284)	35,523
Line 49-32 (Replacement)	2	3,581
Line 49-32 L	(100)	2,394
Valves	27	4,370
Methane Detectors	-	104
Communications *	(3)	11
Construction *	(2)	269
Engineering *	90	403
Training *	(8)	69
Gas Control *	1	11
Environmental *	1	15
Supply Management *	32	442
General Administration *	(45)	925
Program Management Office *	41	312
Total SDGE PSEP Pipeline and Valve Projects	8,115	223,486

*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 July and project-to-date costs from May 2012 to July 2016.
- (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 July 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,108,170 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 July 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,828 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 July 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$115,649,492 which includes balancing account interest.
- (8) As of July 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$8,266,788 which includes balancing account interest.
- (9) As of July 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$44,882,654 which includes balancing account interest.
- (10) As of July 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$7,530,674 which includes balancing account interest.

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B

Projects Remediated or Removed

SCG	(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed	July	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 44-719	-	1
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	-	-
Line 30-6209	-	-
Line 30-6292	-	-
Line 30-6543	-	-
Line 30-6799	-	-

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B

Projects Remediated or Removed

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed	July	Project-To-Date Total
Line 30-6799BR1	-	-
Line 317	-	-
Line 32-90	-	-
Line 35-10	-	-
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	-	1
Line 53	-	-
Line 6100	-	-
Line 765-8.24-BO	-	-
Line 765BR4	-	-
Line 775	-	-
Line 775BO1	-	-
Line 8107	-	-
Line 4000	(9)	-
Total SCG PSEP Pipeline Projects - Remediated Outside of PSEP or Removed	(9)	669

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix B

Projects Remediated or Removed

SDG&E		(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed	July	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	-	-	

SCG and SDGE PSEP Cost Report to the Commission for July 2016

Appendix C - Records Review and Interim Safety Measure Costs

SCG	(in \$1,000)	
	July	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)	
	July	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 July and project-to-date costs from May 2012 to July 2016.
- (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 July 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,108,170 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 July 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,828 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 July 2016

Valve Projects	July-16 No. of Valves ⁽¹⁾	July-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in July-16	Project-To-Date Total (in \$1,000)
Valves-SoCalGas				
Bain Street Station	2	Stage 7 Close-out / Reconciliation	Dec-13	883
Chino Station	5	Stage 7 Close-out / Reconciliation	Dec-13	997
Moreno Small	2	Stage 7 Close-out / Reconciliation	Jan-14	710
Prado Station	5	Stage 7 Close-out / Reconciliation	Jan-14	1,207
Haskell Station	2	Stage 7 Close-out / Reconciliation	Jan-14	698
Moreno Large	1	Stage 7 Close-out / Reconciliation	Jan-14	505
Whitewater Station	3	Stage 7 Close-out / Reconciliation	Mar-14	702
Santa Fe Springs	3	Stage 7 Close-out / Reconciliation	Mar-14	723
Arrow & Haven	1	Stage 7 Close-out / Reconciliation	May-14	965
235 - 335 Palmdale	6	Stage 7 Close-out / Reconciliation	Jun-14	6,813
Puente Station	2	Closed	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	11,410
407 Sullivan Canyon-P1B ^{(7), (12)}	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-18	1,115
Victoria Station	4	Closed	Dec-14	1,532
Alhambra Station	3	Stage 7 Close-out / Reconciliation	Apr-15	2,899
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	753
SGV	3	Stage 5-6 Construction / Turnover	Feb-15	5,036
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	7,065
Blythe ⁽³⁾				
Blythe (Cactus City)-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	841
Blythe Station 2	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	409
Banning Airport	2	Stage 5-6 Construction / Turnover	Apr-15	1,927
Orange	3	Stage 5-6 Construction / Turnover	Apr-15	4,524
Palowalla-P1B ⁽¹²⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	2,360
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	1,135
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	9,262
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	6,627
404-406 Valley	7	Stage 5-6 Construction / Turnover	Sep-15	2,191
Indio ⁽⁴⁾				
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,398
Indio 2016-P1B ⁽¹²⁾	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	530
235-198.20 ⁽⁶⁾	N/A	N/A	N/A	1
L1004 MP 15.27 Carpinteria-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	99
Santa Barbara - 1005 ⁽¹⁰⁾	1	Stage 7 Close-out / Reconciliation	Mar-15	384
L4000 MP 45.36 ⁽⁹⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	248
L4000 MP 53.00 ⁽⁸⁾	3	Stage 7 Close-out / Reconciliation	May-15	1,627
L4000 MP 69.00 MLV-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	599
L4000 MP 80.08 MLV	3	Stage 7 Close-out / Reconciliation	May-15	1,202
L4002 MP 67.00 MLV ⁽⁶⁾	N/A	N/A	N/A	436
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	5,809
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	3,819
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	2,516
Banning 2001	6	Stage 5-6 Construction / Turnover	Apr-16	1,568
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	3,188
Quigley Station ⁽⁶⁾	N/A	N/A	N/A	27
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,544
Aviation	10	Stage 5-6 Construction / Turnover	May-16	5,827
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	3,128
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	2,997
Honor Ranch - L225	5	Stage 5-6 Construction / Turnover	May-16	929
Los Alamitos ⁽⁶⁾	N/A	N/A	N/A	236
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	457
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	644
Fontana Bundle - L4002	1	Stage 7 Close-out / Reconciliation	Jul-15	1,007
SL45-120 Section 2-P1B ^{(5), (12)}	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-17	170
235-335 East	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	524
L1017-P1B ⁽¹²⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	268
L1018-P1B ⁽¹²⁾	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	531
L2000 Beaumont Riverside ⁽¹¹⁾				
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	2,562
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	-
L7000-P1B ⁽¹²⁾	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	794

Taft-P1B ⁽¹²⁾	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	729
Rainbow	12	Stage 5-6 Construction / Turnover	May-16	2,251
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	2,112
Cabazon-P1B ⁽¹²⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	7
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	1,421
L85 Templin Highway MP 137.99-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	83
43-121-P1B ⁽¹²⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	219
Adelanto-P1B ^{(12),(13)}	4	N/A	Sep-17	4
Apple Valley-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-17	33
Burbank & Lindley-P1B ⁽¹²⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-17	24
Blythe COMMs-P1B ⁽¹²⁾	0	Stage 1 Project Initiation	Jun-18	2
Del Amo Station-P1B ^{(12),(13)}	6	N/A	Sep-18	4
Del Amo / Wilmington-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-18	135
Haskell Station FM-P1B ^{(12),(13)}	1	N/A	Feb-18	1
L2002-P1B ⁽¹²⁾	0	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	4
L4000 Victorville-P1B ⁽¹²⁾	13	Stage 1 Project Initiation	Jan-19	2
L6916-P1B ⁽¹²⁾	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	36
Needles COMMs-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	2
Pico-P1B ^{(12),(13)}	8	N/A	May-18	85
Wilmington-P1B ^{(12),(13)}	5	N/A	Dec-18	136
L4002 MP 72.70-P1B ^{(12),(13)}	1	N/A	Sep-19	4
Brea Hacienda Bundle-P1B ⁽¹²⁾	10	Stage 1 Project Initiation	Oct-18	3
L4002 MP 86.44-FM-P1B ^{(12),(13)}	1	N/A	Jul-18	9
Yorba Station-P1B ^{(12),(13)}	1	N/A	Jan-19	1
Lampson Check Valves-P1B ⁽¹³⁾	1	N/A	Aug-18	2
L324 Bundle-P1B ⁽¹³⁾	7	N/A	Mar-19	3
235-335 West Bundle-P1B ⁽¹³⁾	7	N/A	Mar-19	22
Glendale Bundle-P1B ⁽¹³⁾	10	N/A	Dec-18	3
Western/Del Rey Bundle-P1B ⁽¹³⁾	9	N/A	May-19	6
L8109 Bundle-P1B ⁽¹³⁾	6	N/A	May-19	3
Sepulveda Station-P1B ⁽¹⁵⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	48
Victorville COMMs-P1B ⁽¹²⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	45
Ventura Station Bundle-P1B ^{(12),(13),(16)}	6	N/A	Jun-17	3
Chestnut & Grand-P1B ⁽¹³⁾	4	N/A	Mar-18	4
L247 Goleta-P1B ⁽¹²⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	10
404-406 Ventura 2016 Bundle	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	201
L225 Bundle-P1B ⁽¹²⁾	5	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	-
SB County Bundle-P1B ⁽¹²⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	284
Spence Station-P1B ⁽¹²⁾	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	13
Carpinteria Bundle-P1B ^{(12),(16)}	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	21
Santa Barbara Bundle-P1B ⁽¹²⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	18
Goleta Bundle-P1B ⁽¹²⁾	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	45
Total SoCalGas Valves				128,991
Overall Table Notes:				
Valve Projects	Valves ⁽¹⁾	July-16 Project Lifecycle Stage ⁽²⁾	Date (Est.) Reported	Total
Valves-SDG&E				
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	118
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	227
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	3,159
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	297
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)				7
49-16 RCV (La Mesa Gate)				11
49-16 RCV (Mass&Main)				148
49-32-L RCV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	403
49-28	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	-
Total SDG&E Valves				4,370

Overall Table Notes:

- ⁽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)
- ⁽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,
- ⁽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 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⁾ 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 "Carpenteria Bundle-P1B" bundle. Valve bundle "Ventura Bundle-P1B" has been renamed "Ventura Station Bundle-P1B".