

April 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 April 2016.

II. Current Status

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

Pipelines:

1. New construction activity began on 2 pipeline projects
 - 38-200 (Bakersfield)
 - 36-9-09 South (Santa Maria)
2. 20 pipeline projects are in Construction (Stage 5)
3. 22 pipeline projects are in Start Up/Turnover (Stage 6)
4. 24 pipeline projects are in Close-Out (Stage 7)

Valves:

1. New construction activity began on 1 valve project
 - Banning 2001 (Banning, Beaumont, Moreno Valley, Riverside)
2. 29 valve projects are in construction/turnover (Stages 5-6)
3. 11 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 April 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 B, SoCalGas Active Projects Table, Footnote 7:
The decrease in the SEEBA balance compared to the previous month is primarily due to a net adjustment for post-1955 disallowances being greater than actual spending.
- Appendix B, SoCalGas Active Projects Table, Footnote 11:
A retroactive accounting adjustment of (\$126K) was made to capture correct costs for PSRP Line 3602.
- Appendix D, SoCalGas Active Valve Projects Table, Footnote 15:
Valve Bundle “Willow Station” has been renamed to “Sepulveda Station” bundle.

PSEP - SCG / SDG&E
Appendix A - Active Projects List as of April 2016

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Apr-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in Apr-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			6-Start Up/Turnover				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			6-Start Up/Turnover				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 ⁽¹⁵⁾			6-Start Up/Turnover				Aug-14
Line 2003 Section 2			6-Start Up/Turnover				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			4-Detailed Design				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	6-Start Up/Turnover	█	1944	█	May-15
404 ⁽⁶⁾	14	37.80		█	1949	█	
Section 1			6-Start Up/Turnover				Sep-15
Section 2			6-Start Up/Turnover				Sep-15
Section 2A			4-Detailed Design				Mar-17
Section 3,7&8,8A			7-Close-out				Feb-15
Section 3A			4-Detailed Design				Aug-16
Section 4&5			6-Start Up/Turnover				Sep-15
Section 4A			4-Detailed Design				Jan-18
Section 9			4-Detailed Design				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				Jul-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				Aug-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			4-Detailed Design				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

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Apr-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in Apr-16
Pipeline-SCG							
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			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
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	45	4.16	5-Construction	█	1945	█	Oct-14
37-18-F	46	2.06	4-Detailed Design	█	1946	█	Jul-16
37-18-K	12	2.85	2-Selection	█	1949	█	Jan-17
30-18	47	2.58	5-Construction	█	1943	█	Jul-14
44-654	50	0.01	6-Start Up/Turnover	█	1957	█	Jun-14
31-09	52	12.81	7-Close-out	█	1958	█	Jul-15
37-07	53	2.68	7-Close-out	█	1945	█	Sep-14
33-121	59	0.16	3-Project Definition	█	1955	█	Apr-17
41-6001-2	63	0.005	3-Project Definition	█	1967	█	Jul-16
36-1032	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	3-Project Definition	█	1953	█	Jul-16
38-200	86	0.23	5-Construction	█	1948	█	Apr-16
45-120X01	87	0.01	Closed	█	1930	█	Sep-13
38-501 ⁽⁶⁾	89	1.98		█	1952	█	
Section 1			6-Start Up/Turnover				Jun-15
Section 2			3-Project Definition				Aug-16
36-1002	96	0.21	6-Start Up/Turnover	█	1928	█	May-15
44-687	99	0.23	6-Start Up/Turnover	█	1946	█	Sep-14
38-512 ⁽⁶⁾	106	4.78		█	1939	█	
Line 38-512			6-Start Up/Turnover				Mar-15
Line 38-512 Section 3			3-Project Definition				Jul-16
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	6-Start Up/Turnover	█	1964	█	Oct-14
36-9-21	126	5.06	3-Project Definition	█	1950	█	Sep-17
44-720	132	1.17	6-Start Up/Turnover	█	1947	█	Jun-15
41-201	138	0.01	3-Project Definition	█	1957	█	Jul-16
41-116	142	0.006	3-Project Definition	█	1957	█	Jul-16
41-116BP1	143	0.002	3-Project Definition	█	1957	█	Jul-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	█	Apr-17
38-504	N/A	N/A	4-Detailed Design	█	1952	█	Jul-16
38-514 ⁽⁶⁾	N/A	N/A		█	1945	█	
Section 1			4-Detailed Design				Oct-16
Section 2			5-Construction				Feb-16
36-9-09 South	N/A	N/A	5-Construction	█	1951	█	Apr-16
36-9-09-JJ	N/A	N/A	4-Detailed Design	█	1920	█	Jun-16
85 ⁽¹³⁾	N/A	N/A	TBD				TBD
85 South Newhall	N/A	N/A	6-Start Up/Turnover	█	1931	█	Dec-14
404-406 Somis Station ⁽¹¹⁾	N/A	N/A	3-Project Definition	█	1951	█	Aug-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			1-Project Initiation				Sep-16
36-1001-P1B-01	N/A	N/A	3-Project Definition	█	1925	█	Mar-18
36-1032-P1B-01	N/A	N/A	3-Project Definition	█	1928	█	May-18
36-37-P1B-01	N/A	N/A	3-Project Definition	█	1927	█	May-18

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Apr-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in Apr-16
Pipeline-SCG							
36-1002-P1B-01	N/A	N/A	3-Project Definition	█	1928	█	Jun-18
43-121-P1B-01	N/A	N/A	3-Project Definition	█	1930	█	Oct-18
45-1001-P1B-01	N/A	N/A	3-Project Definition	█	1925	█	Oct-18
38-931-P1B-01	N/A	N/A	3-Project Definition	█	1942	█	Nov-18
36-9-09N-P1B-01	N/A	N/A	3-Project Definition	█	1920	█	Mar-18
38-101-P1B-01	N/A	N/A	3-Project Definition	█	1921	█	Apr-18
38-960-P1B-01	N/A	N/A	3-Project Definition	█	1928	█	May-18
44-1008-P1B-01	N/A	N/A	2-Selection	█	1937	█	May-18
38-143-P1B-01	N/A	N/A	3-Project Definition	█	1939	█	Nov-18
38-1102-P1B-01	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	6-Start Up/Turnover	█	Various	█	Oct-15
38-514-P1B-01	N/A	N/A	3-Project Definition	█	1945	█	Mar-18
103	N/A	N/A	2-Selection	█	1941	█	Jan-18
Pipeline-SDG&E							
PSRP (3602) ⁽¹³⁾	N/A	47.00	TBD				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	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	█	Jul-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⁾ 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 / Line 3602) has been added to Appendix A and is the subject of a separate forecast application. Line 85 North and Line 85 South have been added and combined in Appendix A as Line 85.

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

Appendix B Active Projects

SCG		(in \$1,000)	
PSEP Pipeline Projects	April	Project-To-Date Total	
Line 85	53	2,700	
Line 85 South Newhall	211	7,887	
Line 103	7	26	
Line 127	11	197	
Line 128	-	42	
Line 225	1,195	2,151	
Line 1004	320	13,324	
Line 1005	-	5,820	
Line 1011	-	2,419	
Line 1013	-	2,421	
Line 1014	-	825	
Line 1015	(2,185)	441	
Line 2000-A	-	22,427	
Line 2000-Bridge	1	391	
Line 2000-C	180	6,580	
Line 2000-D	118	907	
Line 2000-E	52	52	
Line 2000-West	49	23,076	
Line 2000-West Santa Fe Springs Station	27	1,617	
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	(51)	11,790	
Line 2001 West - B Section 17, 18, 19	(68)	3,989	
Line 2001 West-C	77	1,808	
Line 2001 West-D	96	337	
Line 2001 West-E	34	34	
Line 2003	12	8,809	
Line 2003 Section 2	(22)	2,175	
Line 235 West	-	3,402	
Line 235 West Sawtooth Canyon	-	1,884	
Line 30-18	1,427	25,115	
Line 31-09	22	(74)	
Line 32-21	391	12,908	
Line 33-120 Section 1	37	2,823	
Line 33-120 Section 2	-	7,046	
Line 33-120 Section 3	50	1,611	
Line 33-121	32	1,304	
Line 35-20	-	10	
Line 35-20-N	-	231	
Line 36-9-09 JJ	(5)	445	
Line 36-9-09 North	(6)	653	
Line 36-9-09 North Section 1	2,884	31,334	
Line 36-9-09 North Section 2A	-	108	
Line 36-9-09 North Section 2B	-	2,954	
Line 36-9-09 North Section 3	1,398	20,012	
Line 36-9-09 North Section 4	(16)	7,875	
Line 36-9-09 North Section 5	2,945	7,453	
Line 36-9-09 North Section 6	13	3,561	
Line 36-9-09 North Section 7	395	23,983	
Line 36-9-09 South	5	803	
Line 36-1001	2	67	
Line 36-1002	(33)	2,118	
Line 36-1032	4	11,169	
Line 36-9-21	5	669	
Line 36-37	19	2,262	
Line 37-07	(2,313)	26,363	
Line 37-18	566	29,246	

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

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	April	Project-To-Date Total
Line 37-18 F	110	3,286
Line 37-18 K	(10)	96
Line 38-101	5	241
Line 38-143	8	158
Line 38-200	449	3,089
Line 38-501 Section 1	(14)	5,010
Line 38-501 Section 2	40	795
Line 38-504	45	1,675
Line 38-512	179	28,967
Line 38-512 Section 3	17	155
Line 38-514	4	24
Line 38-514 Section 1	14	406
Line 38-514 Section 2	3,294	6,684
Line 38-539	(1)	15,474
Line 38-556	(24)	406
Line 38-931	103	1,098
Line 38-960	73	995
Line 38-1102	8	181
Line 38-KWB-P1B-01	66	1,737
Line 404	2	15
Line 404 Section 1	7	1,991
Line 404 Section 2	53	3,227
Line 404 Section 2A	2	4
Line 404 Section 3,7&8,8A	(138)	8,542
Line 404 Section 3A	39	719
Line 404 Section 4&5	243	5,179
Line 404 Section 4A	(17)	345
Line 404 Section 9	5	704
Line 406	-	9,656
Line 406 Section 3	1	1,393
Line 404/406 Somis Station	22	527
Line 407	(13)	6,337
Line 41-04ST1	-	-
Line 41-17	5	35
Line 41-17-F	-	-
Line 41-116	4	7
Line 41-116BP1	-	8
Line 41-201	-	3
Line 41-30	8	120
Line 41-30-A	-	429
Line 41-6000-2	470	59,240
Line 41-6001-2	-	246
Line 42-66-1	-	681
Line 42-66-2	-	-
Line 43-121	9	172
Line 43-121 North	58	5,273
Line 43-121 South	122	23,061
Line 44-1008	(166)	1,178
Line 44-137	(16)	21,749
Line 44-687	3	5,246
Line 44-719	-	1
Line 44-654	-	1,825
Line 44-720	(28)	9,533
Line 45-1001	9	163
Line 45-120 Section 1	-	5,818
Line 45-120 Section 2	(34)	35,079
Line 45-120X01	-	750
Line 4000	-	87
Line 7043	-	-

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

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	April	Project-To-Date Total
Valves	4,660	117,019
Storage Field- Playa Del Rey	(37)	2,571
Storage Field- Goleta	21	181
Methane Detectors	2	315
Communications *	(8)	1,225
Construction *	(634)	2,553
Engineering *	20	5,255
Training *	(58)	1,457
Gas Control *	1	62
Environmental *	(56)	559
Supply Management *	(433)	4,292
General Administration *	96	10,587
Program Management Office *	(107)	4,205
Total SCG PSEP Pipeline and Valve Projects	16,427	780,702

*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 April and project-to-date costs from May 2012 to April 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 April 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,051,293 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 April 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,727 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 April 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$105,426,878 which includes balancing account interest. The decrease in the SEEBA balance compared to the previous month is primarily due to a net adjustment for post-1955 disallowances being greater than actual spending.
- (8) As of April 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,555,123 which includes balancing account interest.
- (9) As of April 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$30,643,153 which includes balancing account interest.
- (10) As of April 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$5,161,562 which includes balancing account interest.
- (11) A retroactive accounting adjustment of (126K) was made to capture correct costs for PSRP Line 3602.

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

Appendix B Active Projects

SDGE		(in \$1,000)
PSEP Pipeline Projects	April	Project-To-Date Total
Line 1600 South	-	411
Line 3602 ⁽¹¹⁾	390	11,886
Line 49-11	(26)	4,185
Line 49-13	(42)	13,428
Line 49-14	(22)	4,019
Line 49-15 Distribution	1,403	12,735
Line 49-15 Transmission	58	5,420
Line 49-16 Pipeline	298	7,030
Line 49-16 La Mesa Gate Station	4	153
Line 49-16 4th & Palm	12	335
Line 49-17 East	3,140	27,313
Line 49-17 West	(35)	17,510
Line 49-20	-	-
Line 49-22	-	4,060
Line 49-25	(46)	19,816
Line 49-26	6,223	15,058
Line 49-28	894	33,766
Line 49-32 (Replacement)	(218)	5,772
Valves	122	3,654
Methane Detectors	-	56
Communications *	(11)	23
Construction *	(46)	286
Engineering *	1	316
Training *	(79)	115
Gas Control *	2	9
Environmental *	1	14
Supply Management *	9	397
General Administration *	(15)	830
Program Management Office *	297	505
Total SDGE PSEP Pipeline and Valve Projects⁽¹¹⁾	12,314	189,102

*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 April and project-to-date costs from May 2012 to April 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 April 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,051,293 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 April 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,727 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 April 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$105,426,878 which includes balancing account interest. The decrease in the SEEBA balance compared to the previous month is primarily due to a net adjustment for post-1955 disallowances being greater than actual spending.
- (8) As of April 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,555,123 which includes balancing account interest.
- (9) As of April 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$30,643,153 which includes balancing account interest.
- (10) As of April 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$5,161,562 which includes balancing account interest.
- (11) A retroactive accounting adjustment of (126K) was made to capture correct costs for PSRP Line 3602.

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

Appendix B

Projects Remediated or Removed

SCG	(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed	April	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 April 2016

Appendix B

Projects Remediated or Removed

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed	April	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

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

Appendix B

Projects Remediated or Removed

SDG&E		<small>(in \$1,000)</small>	
PSEP Pipeline Projects - Remediated or Removed	April	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 April 2016

Appendix C - Records Review and Interim Safety Measure Costs

SCG	(in \$1,000)	
	April	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)	
	April	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 April and project-to-date costs from May 2012 to April 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 April 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,051,293 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 April 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,727 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 April 2016

Valve Projects	Apr-16 No. of Valves ⁽¹⁾	Apr-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in Apr-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 5-6 Construction / Turnover	Jun-14	6,758
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	11,244
407 Sullivan Canyon ⁽⁷⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-18	1,104
Victoria Station	4	Closed	Dec-14	1,530
Alhambra Station	3	Stage 5-6 Construction / Turnover	Apr-15	3,012
Pixley Station	3	Closed	Nov-14	1,338
2001W Seg 10-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	746
SGV	3	Stage 7 Close-out / Reconciliation	Feb-15	5,094
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	7,004
Blythe ⁽³⁾				
Blythe (Cactus City)	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	838
Blythe Station 2	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	402
Banning Airport	2	Stage 5-6 Construction / Turnover	Apr-15	2,195
Orange	3	Stage 5-6 Construction / Turnover	Apr-15	4,502
Palowalla	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	2,466
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	864
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	9,289
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	5,456
404-406 Valley	3	Stage 5-6 Construction / Turnover	Sep-15	1,667
Indio ⁽⁴⁾				
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,344
Indio 2016	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	481
235-198.20 ⁽⁶⁾	N/A	N/A	N/A	-
L1004 MP 15.27 Carpinteria	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	92
Santa Barbara - 1005 ⁽¹⁰⁾	1	Stage 5-6 Construction / Turnover	Mar-15	374
L4000 MP 45.36 ⁽⁹⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	186
L4000 MP 53.00 ⁽⁸⁾	3	Stage 5-6 Construction / Turnover	May-15	1,648
L4000 MP 69.00 MLV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	585
L4000 MP 80.08 MLV	3	Stage 5-6 Construction / Turnover	May-15	1,169
L4002 MP 67.00 MLV ⁽¹²⁾	N/A	N/A	N/A	522
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	4,418
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	2,627
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	2,417
Banning 2001	6	Stage 5-6 Construction / Turnover	Apr-16	1,005
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	3,129
Quigley Station ⁽¹²⁾	N/A	N/A	N/A	80
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,584
Aviation	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	3,796
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	2,776
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	2,187
Honor Ranch - L225	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	651
Los Alamitos ⁽¹²⁾	N/A	N/A	N/A	236
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	441
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	531
Fontana Bundle - L4002	1	Stage 5-6 Construction / Turnover	Jul-15	935
SL45-120 Section 2 ⁽⁵⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	139
235-335 East	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	466
L1017	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	174
L1018	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	230
L2000 Beaumont Riverside ⁽¹¹⁾				
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	2,596
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	-

Valve Projects	Apr-16 No. of Valves ⁽¹⁾	Apr-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in Apr-16	Project-To-Date Total
L7000	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	535
Taft	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	458
Rainbow	12	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	1,185
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	1,616
Cabazon	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	7
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	1,342
L85 Templin Highway MP 137.99	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	79
43-121	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	170
Adelanto ⁽¹³⁾	4	N/A	Sep-17	4
Apple Valley	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-17	8
Burbank & Lindley	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-17	22
Blythe COMMs	0	Stage 1 Project Initiation	Jun-18	2
Del Amo Station ⁽¹³⁾	6	N/A	Sep-18	2
Del Amo / Wilmington	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-18	104
Haskell Station FM ⁽¹³⁾	1	N/A	Feb-18	1
L2002	0	Stage 1 Project Initiation	Dec-16	4
L4000 Victorville	13	Stage 1 Project Initiation	Jan-19	2
L6916	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	15
Needles COMMs	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	1
Pico ⁽¹³⁾	8	N/A	May-18	65
Wilmington ⁽¹³⁾	6	N/A	Dec-18	114
L4002 MP 72.70 ⁽¹³⁾	1	N/A	Sep-19	1
Brea Hacienda Bundle	10	Stage 1 Project Initiation	Oct-18	2
L4002 MP 86.44-FM ⁽¹³⁾	1	N/A	Jul-18	3
Yorba Station ⁽¹³⁾	1	N/A	Jan-19	1
Lampson Check Valves ⁽¹³⁾	1	N/A	Aug-18	1
L324 Bundle ⁽¹³⁾	7	N/A	Mar-19	1
235-335 West Bundle ⁽¹³⁾	7	N/A	Mar-19	17
Glendale Bundle ⁽¹³⁾	10	N/A	Dec-18	1
Western/Del Rey Bundle ⁽¹³⁾	9	N/A	May-19	2
L8109 Bundle ⁽¹³⁾	6	N/A	May-19	1
Sepulveda Station ⁽¹⁵⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	11
Victorville COMMs	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	9
Ventura Station ⁽¹³⁾	6	N/A	Jun-17	1
Chestnut & Grand ⁽¹³⁾	4	N/A	Mar-18	1
L247 Goleta	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	4
404-406 Ventura 2016 Bundle	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	8
L225 Bundle	5	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	-
SB County Bundle	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	224
Spence Station	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	7
Carpenteria Bundle	0	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	3
Santa Barbara Bundle	6	Stage 1 Project Initiation	Apr-17	3
Goleta Bundle	7	Stage 1 Project Initiation	Apr-17	12
Total SoCalGas Valves				117,019
Valve Projects	Valves ⁽¹⁾	Apr-16 Project Lifecycle Stage ⁽²⁾	Date (Est.) Reported	Total
Valves-SDG&E				(in \$1,000)
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	118
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	223
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	2,848
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	124
49-16 RCV ⁽¹⁴⁾	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	-
49-16 RCV (4th & Palm)				2
49-16 RCV (La Mesa Gate)				11
49-16 RCV (Mass&Main)				145
49-32-L RCV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	184
Total SDG&E Valves				3,654

⁽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) projects and communications only projects.

⁽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 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.

⁽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 .