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April 29, 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-March 2016

Dear Mr. Randolph and Ms. Malashenko:

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

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

Sincerely,	
/s/ Brian Hoff	
Brian Hoff Regulatory Case Manager	

Attachment

CC: 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

March 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 March 2016.

II. Current Status

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

Pipelines:

- 1. No new construction activity for the month of March
- 2. 19 pipeline projects are in Construction (Stage 5)
- 3. 28 pipeline projects are in Start Up/Turnover (Stage 6)
- 4. 18 pipeline projects are in Close-Out (Stage 7)

Valves:

- 1. No new construction activity for the month of March
- 2. 28 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 March 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/SDG&E Active Projects Table, Footnote 14:
 - O Project 32-21 has been separated into three projects: 32-21 Section 1, 32-21 Section 2, 32-21 Section 3.
- Appendix A, SoCalGas/SDG&E Active Projects Table, Footnote 15:
 - o Project 404 Sections 3, 7 & 8A construction start date has been revised from April 2015 to February 2015 to reflect the correct construction start date.
- Appendix A, SoCalGas/SDG&E Active Projects Table, Footnote 16:
 - o Project "Goleta / Line 127" name has been corrected to Goleta.
- Appendix B, SoCalGas Active Projects Table, Footnote 11:
 - o Indirect costs for Line 1015 and Line 2000-A, previously labeled as direct costs, have been excluded.
- Appendix D, SDG&E Active Valve Projects Table, Footnote 15:
 - Valve Bundle L247 Goleta Project Lifecycle Stage has been revised back to Stage 1 due to redefining of project scope.

		Appen	PSEP - SCG / SD dix A - Active Projects Li		2016		
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Mar-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS (2)	Construction Start Date (Est.) Reported in Mar-16
(2)	T	(2)	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			6-Start Up/Turnover				Apr-14
2001 West - B ⁽⁶⁾							
Section 10,11,14			6-Start Up/Turnover				Aug-14
Section 17,18,19 2000-C/2001W - C Desert Bundle ⁽³⁾⁽⁴⁾⁽⁶⁾			6-Start Up/Turnover				Aug-15
2000-C			4 Dotailed Design				Apr 19
2000-C 2001 West - C			4-Detailed Design 3-Project Definition				Apr-18 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		1949		Sep-14
2003 ⁽⁶⁾	6	26.50	1,		1949		
Line 2003			7-Close-out				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	7 61036 001		1951		IVIAI 14
Section 1,2,2A,4,5	9	20.70	6-Start Up/Turnover	_	1931		Aug-14
Section 3			4-Detailed Design				Jun-17
235 West	10	3.10	6-Start Up/Turnover		1957	_	Jun-14
			7-Close-out				
1013	11	3.50			1954		Jul-14
1015	12	7.85	6-Start Up/Turnover		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 ⁽¹⁵⁾			6-Start Up/Turnover				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-17
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 ⁽¹⁴⁾	26	10.23			1948		
Section 1	20	10.23	7-Close-out		1070		May-15
Section 2			4-Detailed Design				Jun-16
			4-Detailed Design				
Section 3 41-6000-2 ⁽⁹⁾	27	20.05	4-Detailed Design 5-Construction		1040		Sep-16
41-6000-2** 36-9-09 North ⁽⁶⁾	27	39.95	3-Construction		1948		Sep-15
Section 1	29	16.02	5-Construction		1932		May-15

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	Mar-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS (2)	Construction Start Date (Est.) Reported in Mar-16
			Pipeline-SCG				
Section 2A			4-Detailed Design				Jul-18
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			6-Start Up/Turnover				Mar-15
Section 6B			3-Project Definition				Aug-17
Section 7A			4-Detailed Design				Sep-16
Section 7B			6-Start Up/Turnover			<u> </u>	May-15
1011	36	5.14	6-Start Up/Turnover		1955		Jul-14
36-37	38	0.02	7-Close-out	_	1970		May-14
42-66-1&2 ⁽¹⁰⁾			7-Close-out				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		May-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	4-Detailed Design		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		Dec-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			3-Project Definition				Oct-16
Section 2			5-Construction				Feb-16
36-9-09 South	N/A	N/A	4-Detailed Design		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 (16)			3-Project Definition				Apr-17
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

Pipeline Project	PSEP Filing Priority	Total Miles	Mar-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS (2)	Construction Start Date (Est.) Reported in Mar-16
r ipeille i roject	1 Honey	us i neu	Pipeline-SCG		ı viiitüğe	70011110	111111111111111111111111111111111111111
36-37-P1B-01	N/A	N/A	3-Project Definition		1927		May-18
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
	N/A		-		1920		
36-9-09N-P1B-01	•	N/A	3-Project Definition				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	3-Project Definition		1938		May-18
7043-P1B-01	N/A	N/A	N/A		1930		Mar-18
127-P1B-01	N/A	N/A	2-Selection		1944		Apr-18
1004-P1B-01	N/A	N/A	2-Selection		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-SDG8		l.	, —	J
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	, c.occ cu.		1955		
49-16 Pipeline		3.330	5-Construction	_	1333		Mar-15
49-16 4th & Palm			4-Detailed Design				Apr-17
49-16 Gate Station			4-Detailed Design				Jun-17
49-11	7	6.30	5-Construction		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 it's length, will be remediated in four phases. 2000-A, 2000-Bridge, 2000-C and 2000-West. 2000-C has been regrouped with 2001 West-C and will be executed as one project under "2000-C/2001W-C Desert Bundle."

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

^{(5) 2000-0.18-}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. This project is planned to be the subject of a separate forecast application.

⁽¹⁴⁾ Project "32-21" has been split into three projects "32-21 Section 1", "32-21 Section 2", and "32-21 Section 3"

Project "404 Section 3, 7 & 8A" Construction Start Date has been revised from April 2015 to February 2015 to reflect the correct construction start date.

⁽¹⁶⁾ Project "Goleta/L127" name corrected to Goleta

Appendix B

Active	Proj	ects

SCG (in \$1,000		
PSEP Pipeline Projects	March	Project-To-Date Total
Line 85	474	2,648
Line 85 South Newhall	247	7,676
Line 103	(3)	20
Line 127	7	186
Line 128	8	41
Line 225	114	956
Line 1004	1,255	13,004
Line 1005	- 1,233	5,820
Line 1011		
Line 1011 Line 1013	-	2,419
	-	2,421
Line 1014	=	825
Line 1015 (11)	-	2,626
Line 2000-A (11)		22,427
Line 2000-Bridge	2	391
Line 2000-C	574	6,400
Line 2000-D	256	788
Line 2000-West	117	23,027
Line 2000-West Santa Fe Springs Station	259	1,590
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	153	11,841
Line 2001 West - B Section 17, 18, 19	272	4,056
Line 2001 West-C	84	1,732
Line 2001 West-D	88	241
Line 2003	21	8,796
Line 2003 Section 2	127	2,197
Line 235 West	-	3,402
Line 235 West Sawtooth Canyon	-	1,884
Line 30-18	771	
		23,689
Line 31-09	36	(96)
Line 32-21	1,547	12,517
Line 33-120 Section 1	162	2,786
Line 33-120 Section 2	-	7,046
Line 33-120 Section 3	138	1,561
Line 33-121	86	1,271
Line 35-20	-	10
Line 35-20-N	-	231
Line 36-9-09 JJ	86	450
Line 36-9-09 North	156	659
Line 36-9-09 North Section 1	475	28,450
Line 36-9-09 North Section 2A	3	108
Line 36-9-09 North Section 2B	-	2,954
Line 36-9-09 North Section 3	2,516	18,614
Line 36-9-09 North Section 4	164	7,892
Line 36-9-09 North Section 5	994	4,508
Line 36-9-09 North Section 6	19	3,548
Line 36-9-09 North Section 7	5,857	23,588
Line 36-9-09 South	77	798
Line 36-1001	7	65
Line 36-1002	252	2,151
Line 36-1032	176	11,165
Line 36-9-21	3	664
Line 36-37	289	2,244
Line 37-07	943	28,675
Line 37-18	646	28,681
Line 37-18 F	441	3,176

Appendix B

Active	Proi	ects
ACLIVE	FIU	ect2

PSEP Pipeline Projects March Total time 33-18 K 1 10.00 time 34-13 3 7.74 15.00 time 38-20 0 113 2.64 time 38-50 Section 1 (67) 5.024 time 38-50 Section 2 186 7.55 time 38-51 Section 3 (40) 2.8,787 time 38-52 Section 3 (40) 2.8,787 time 38-51 Section 3 (40) 2.8,787 time 38-51 Section 3 20 20 time 38-51 Section 3 20 20 time 38-51 Section 3 20 20 time 38-51 Section 3 12 3.2 time 38-52 Section 3 12 3.2 time 38-54 Section 3 15 1.7 time 38-50 Section 3 12	SCG (continued) (in \$1,000)		
Line 33-18 K 1 106 Line 38-143 74 150 Line 38-143 74 150 Line 38-200 113 2,644 Line 38-501 Section 1 (67) 5,024 Line 38-501 Section 2 186 75.5 Line 38-512 Medical Control of the Section 3 86 1.83 Line 38-513 Medical Control of the Section 3 86 1.38 Line 38-514 Medical Control of the Section 3 81 1.38 Line 38-515 Medical Control of the Section 3 1.92 322 Line 38-539 Medical Control of the Section 3 4.31 4.31 Line 38-593 Medical Control of the Section 3 4.31 4.31 Line 38-594 Medical Control of the Section 3 4.31 4.31 Line 38-595 Medical Control of the Section 3 4.31 4.31 Line 38-596 Medical Control of the Section 3 4.31 4.31 Line 38-597 Medical Control of the Section 3 4.31 4.31 Line 38-598 Medical Control of the Section 3 4.32 4.32 Line 38-599 Medical Control of the Section 3 4.32 4.32 <th></th> <th></th> <th>Project-To-Date</th>			Project-To-Date
time 38-101 78 235 time 38-200 113 2,041 time 38-201 Section 1 (67) 5,024 time 38-501 Section 2 186 755 time 38-512 (10) 28,787 time 38-513 (410) 28,787 time 38-514 20 10 time 38-514 20 10 time 38-514 20 10 time 38-514 20 20 time 38-514 20 20 time 38-518 20 20 time 38-519 7 15,752 time 38-519 7 15,752 time 38-519 7 15,752 time 38-510 20 20 time 38-512 20 20 time 38-513 21 20 time 38-514 20 20 time 38-512 21 20 time 38-512 21 20 time 38-512 31 43 time 38-512 31 </th <th></th> <th></th> <th></th>			
time 391-131 74 150 time 392-000 113 2,044 time 398-501 Section 1 (67) 5,024 time 398-502 186 75.5 time 398-512 (610) 28,787 time 398-512 (610) 28,787 time 398-513 84 138 time 398-514 Section 1 192 392 time 398-515 2,206 3,300 time 398-516 192 392 time 398-519 7 15,475 time 398-50 7 15,475 time 398-50 202 202 time 398-50 202 202 time 398-50 202 202 time 398-50 205 202 time 398-50 20 202 time 398-50 20 202 time 398-50 20 202 time 398-50 15 15 time 398-50 20 202 time 398-50 20 202 <td< td=""><td></td><td></td><td></td></td<>			
line 38-200 113 2.641 line 38-501 Section 1 (67) 50-24 line 38-501 264 1.630 line 38-512 (610) 28,787 line 38-513 84 1.83 line 38-514 20 20 line 38-5154 20 20 line 38-5154 20 20 line 38-516 20 3.390 line 38-517 20 3.290 line 38-518 21 2.00 line 38-519 7 1.54,75 line 38-519 20 10 line 38-519 7 1.54,75 line 38-519 21 19 line 38-519 21 19 line 38-510 20 19 line 38-511 21 19 line 38-50 3 43 line 38-50 3 43 line 38-50 26 20 line 38-50 3 3 line 38-50 3 <t< td=""><td></td><td></td><td></td></t<>			
time 38-501 Section 1 (57) 5,024 time 38-5024 264 1,630 1,630 1,630 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,637 1,640 1,640 1,637 1,640<			
Line 38-5915 264 1.58 7.55 Line 38-512 (1010) 28,787 (1010) 28,787 (1010) 28,787 (1010) 20,787 (1010) 20,787 (1010) 20,287 (1010) 20,287 (1010) 20,205 3,290 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 3,390 1010 20,205 1010 20,205 1010 20,205 1010 20,205 1010 20,205 1010 20,205 1010 10			
time 35-574 (1,610) 2,674 1,630 time 35-512 (1,610) 2,678 1,682			
Line 38-512			
Line 38-112 Section 3			
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Line 44-1008 4 1,343 Line 44-137 846 21,765 Line 44-687 211 5,243 Line 44-719 - 1 Line 44-654 - 1,825 Line 44-720 262 9,561 Line 45-1001 79 155 Line 45-120 Section 1 - 5,818 Line 45-120 Section 2 858 35,113 Line 45-120X01 - 750 Line 4000 - 87 Valves 8,206 112,359	Line 43-121 North	398	5,215
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Line 44-654 - 1,825 Line 44-720 262 9,561 Line 45-1001 79 155 Line 45-120 Section 1 - 5,818 Line 45-120 Section 2 858 35,113 Line 45-120X01 - 750 Line 4000 - 87 Valves 8,206 112,359	Line 44-687	211	5,243
Line 44-720 262 9,561 Line 45-1001 79 155 Line 45-120 Section 1 - 5,818 Line 45-120 Section 2 858 35,113 Line 45-120X01 - 750 Line 4000 - 87 Valves 8,206 112,359	Line 44-719	-	1
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Line 45-120 Section 2 858 35,113 Line 45-120X01 - 750 Line 4000 - 87 Valves 8,206 112,359	Line 45-120 Section 1		5,818
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Line 4000 - 87 Valves 8,206 112,359			
Valves 8,206 112,359	Line 4000	-	87
		8,206	112,359
	Storage Field- Playa Del Rey Phase		2,608

Appendix B

Active Projects

SCG (continued)	(in \$	(in \$1,000)		
		Project-To-Date		
PSEP Pipeline Projects	March	Total		
Storage Field- Goleta	5	160		
Methane Detectors	6	313		
Communications *	(71)	1,233		
Construction *	456	3,187		
Engineering *	(2,806)	5,235		
Training *	(109)	1,515		
Gas Control *	(17)	61		
Environmental *	(170)	615		
Supply Management *	(145)	4,725		
General Administration *	3,042	10,491		
Program Management Office *	(1,099)	4,311		
Total SCG PSEP Pipeline and Valve Projects	48,838	764,275		

^{*}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 March and project-to-date costs from May 2012 to March 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 March 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,032,872 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 March 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,694 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 March 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$105,450,531 which includes balancing account interest.
- (8) As of March 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,281,263 which includes balancing account interest.
- (9) As of March 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$26,344,018 which includes balancing account interest.
- (10) As of March 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$4,527,592 which includes balancing account interest.
- (11) Indirect costs for Line 1015 and Line 2000-A, previously labeled as direct costs, have been excluded.

Appendix B Active Projects

SDGE	(in \$	1,000)
		Project-To-Date
PSEP Pipeline Projects	March	Total
Line 1600 South	-	411
Line 3602	465	11,622
Line 49-11	295	4,210
Line 49-13	377	13,470
Line 49-14	14	4,041
Line 49-15 Distribution	1,581	11,331
Line 49-15 Transmission	1,231	5,363
Line 49-16 Pipeline	287	6,732
Line 49-16 La Mesa Gate Station	144	149
Line 49-16 4th & Palm	316	322
Line 49-17 East	5,293	24,173
Line 49-17 West	268	17,544
Line 49-20	-	-
Line 49-22	6	4,060
Line 49-25	417	19,862
Line 49-26	1,017	8,835
Line 49-28	1,502	32,872
Line 49-32 (Replacement)	400	5,991
Valves	459	3,533
Methane Detectors	(7)	56
Communications *	(20)	33
Construction *	41	332
Engineering *	(100)	315
Training *	(130)	193
Gas Control *	(2)	6
Environmental *	(41)	13
Supply Management *	(35)	388
General Administration *	375	845
Program Management Office *	(113)	209
Total SDGE PSEP Pipeline and Valve Projects	14,042	176,913

^{*}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 March and project-to-date costs from May 2012 to March 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 March 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,032,872 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 March 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,694 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 March 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$105,450,531 which includes balancing account interest.
- (8) As of March 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,281,263 which includes balancing account interest.
- (9) As of March 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$26,344,018 which includes balancing account interest.
- (10) As of March 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$4,527,592 which includes balancing account interest.

Appendix B

Projects Remediated or Removed

SCG	(in	(in \$1,000)		
		Project-To-Date		
PSEP Pipeline Projects - Remediated or Removed Due to Successful Locating of Records	March	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	-	- 12		
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	-	- (5)		
Line 30-32	-	(5)		
Line 30-6209	-	=		
Line 30-6292	-	-		
Line 30-6543	-	-		
Line 30-6799	-	-		

Appendix B
Projects Remediated or Removed

SCG (continued)	SCG (continued) (in \$1,0	
PSEP Pipeline Projects - Remediated or Removed Due to Successful Locating of Records	March	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	<u> </u>	662
SDG&E	(in \$	1,000)
		Project-To-Date
PSEP Pipeline Projects - Remediated or Removed Due to Successful Locating of Records	March	Total
Line 49-18	-	-
Line 49-19	-	-
Line 49-27	-	-
Line 49-32 (Test) 12	-	-
Total SDG&E PSEP Pipeline Projects - Remediated Outside of PSEP or Removed Due to Successful Locating of Records	-	-

Appendix C - Records Review and Interim Safety Measure Costs

SCG	(in \$1,000)	
		Project-To-Date
	March	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)	
		Project-To-Date
	March	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 March and project-to-date costs from May 2012 to March 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 March 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,032,872 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 March 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,694 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 March 2016						
Valve Projects	Mar-16 No. of Valves ⁽¹⁾	Mar-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in Mar-16	Project-To-Date Total			
Tuite i rojetis	74.765	Valves-SoCalGas		(in \$1,000)			
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	504			
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	6,748			
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	11,072			
407 Sullivan Canyon (7)	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-18	1,099			
Victoria Station	4	Closed	Dec-14	1,530			
Alhambra Station	3	Stage 5-6 Construction / Turnover	Apr-15	2,904			
Pixley Station	3	Closed	Nov-14	1,329			
2001W Seg 10-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	741			
SGV	3	Stage 7 Close-out / Reconciliation	Feb-15	5,105			
Lampson (3)	4	Stage 5-6 Construction / Turnover	Apr-15	6,900			
Blythe (See than City)	4	Change 2 A Franke and a 2 November 1 Construct 2011	Aa 17	849			
Blythe (Cactus City)	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17				
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 Apr-15	2,208 4,445			
Orange	3 3	Stage 5-6 Construction / Turnover	-	2,466			
Palowalla	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17 Mar-15	855			
L 1020 New Desert	7	Stage 5-6 Construction / Turnover Stage 5-6 Construction / Turnover	Oct-14	8,209			
	6	Stage 5-6 Construction / Turnover	Apr-15	5,482			
El Segundo	3		Sep-15	1,627			
404-406 Valley Indio ⁽⁴⁾	3	Stage 5-6 Construction / Turnover	Зер-13	1,027			
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,390			
Indio 2014	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	478			
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	389			
L4000 MP 45.36 ⁽⁹⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	182			
L4000 MP 53.00 ⁽⁸⁾	3	Stage 5-6 Construction / Turnover	May-15	1,635			
L4000 MP 69.00 MLV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	580			
L4000 MP 80.08 MLV	3	Stage 5-6 Construction / Turnover	May-15	1,164			
L4002 MP 67.00 MLV (12)	N/A	N/A	N/A	522			
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	3,790			
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	1,873			
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	2,288			
Banning 2001	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-16	944			
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	2,976			
Quigley Station (12)	N/A	N/A	N/A	80			
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,559			
Aviation	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	3,718			
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	2,425			
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	1,837			
Honor Ranch - L225	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	606			
Los Alamitos (12)	N/A	N/A	N/A	232			
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	439			
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	523			
Fontana Bundle - L4002	1	Stage 5-6 Construction / Turnover	Jul-15	950			
SL45-120 Section 2 (5)	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	134			
235-335 East	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	472			
L1017	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	217			
L1018	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	200			
L2000 Beaumont Riverside (11)							
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	2,595			
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	-			

Valve Projects	Mar-16 No. of Valves ⁽¹⁾	Mar-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in Mar-16	
L7000	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	469
Taft	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	498
Rainbow	12	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-16	1,135
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	1,346
Cabazon	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	7
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	1,249
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	179
Adelanto (13)	4	N/A	Sep-17	3
	+	·	Dec-17	5
Apple Valley	1	Stage 1 Project Initiation		21
Burbank & Lindley	3	Stage 1 Project Initiation	May-17	
Blythe COMMs (13) Del Amo Station (13)	0	N/A	Jun-18	2
	6	N/A	Sep-18	2
Del Amo / Wilmington	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-18	33
Haskell Station FM (13)	1	N/A	Feb-18	1
L2002	0	Stage 1 Project Initiation	Dec-16	5
L4000 Victorville (13)	13	N/A	Jan-19	2
L6916	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	14
Needles COMMs (13)	1	N/A	Feb-17	1
Pico (13)	8	N/A	May-18	36
Wilmington (13)	6	N/A	Dec-18	110
L4002 MP 72.70 (13)	1	N/A	Sep-19	-
Brea Hacienda Bundle (13)	10	N/A	Oct-18	2
L4002 MP 86.44-FM (13) Yorba Station (13)	1	N/A	Jul-18	
	1	N/A	Jan-19	1
Lampson Check Valves (13) L324 Bundle (13)	7	N/A N/A	Aug-18 Mar-19	1
235-335 West Bundle (13)	7	N/A	Mar-19	14
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
Willow Station	4	Stage 1 Project Initiation	Sep-17	7
Victorville COMMs	1	Stage 1 Project Initiation	Oct-17	6
Ventura Station (13)	6	N/A	Jun-17	-
Chestnut & Grand (13)	4	N/A	Mar-18	1
L247 Goleta (15)	1	Stage 1 Project Initiation	Feb-17	3
404-406 Ventura 2016 Bundle	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	7
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	199
Spence Station (13)	4	Stage 1 Project Initiation	Sep-17	4
Carpenteria Bundle	0	Stage 1 Project Initiation	Jan-17	2
Santa Barbara Bundle	6	Stage 1 Project Initiation	Apr-17	2
Goleta Bundle Total SoCalGas Valves	7	Stage 1 Project Initiation	Apr-17	9
Total Socaldas valves				112,359
Valve Projects	Valves ⁽¹⁾	Mar-16 Project Lifecycle Stage (2)	Date (Est.) Reported	Total
valve riojects	vuive3	Valves-SDG&E	Date (Est.) Reported	(in \$1,000)
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	116
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	215
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	2,788
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	117
49-16 RCV (14)	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	-
49-16 RCV (4th & Palm)				-
49-16 RCV (La Mesa Gate)				11
49-16 RCV (Mass&Main)				144
49-32-L RCV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-16	142
Total SDG&E Valves				3,533

⁽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 Vincente" has been renamed to "407 Sullivan Canyon"

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

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

 $^{^{\}rm (10)}$ 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 "L247 Goleta" Project Lifecycle Stage has been revised back to Stage 1 due to redefining of project scope.