



Brian Hoff
Regulatory Case Manager
Regulatory Affairs
555 West Fifth Street, GT14D6
Los Angeles, CA 90013-1011
Tel: 213.244.3543
Fax: 213.244.4957
BHoff@semprautilities.com

June 30, 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-May 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 May 2016 as required per D.12-04-021. D.12-04-021 requires SoCalGas and SDG&E to provide a Monthly Pipeline Safety Enhancement Plan update to the Commission's Energy Division and Safety and Enforcement Division (formerly CPSD) as our plan is implemented.

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

Sincerely,

/s/ Brian Hoff

Brian Hoff
Regulatory Case Manager

Attachment

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

May 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 May 2016.

II. Current Status

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

Pipelines:

1. New construction activity began on 1 pipeline project
 - 38-514 (Riverdale)
2. 21 pipeline projects are in Construction (Stage 5)
3. 18 pipeline projects are in Start Up/Turnover (Stage 6)
4. 28 pipeline projects are in Close-Out (Stage 7)

Valves:

1. New construction activity began on 3 valve projects
 - Aviation (Los Angeles, Hawthorne, Redondo Beach)
 - Honor Ranch – L225 (Santa Clarita, LA County)
 - Rainbow (Moreno Valley, Menifee, Murrieta, Temecula, Riverside County)
2. 33 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 May 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 14:
Project Lifecycle has been revised to Stage 6 to accurately reflect the status of the following projects:
 - Project 44-137
 - Project 32-21, Section 1
 - Project 37-07

- Appendix B, SoCalGas Active Projects Table, Footnote 11:
A \$5,347 prior period adjustment for Test Heads is reflected in PSEP SoCalGas Engineering.

- Appendix D, SoCalGas Active Valve Projects Table, Footnote 16:
Valve Bundle SGV Project Lifecycle has been revised to Stage 6 to accurately reflect the status of the project.

- Appendix D, SoCalGas Active Valve Projects Table, Footnote 17:
38 Projects have been moved to Phase 1B and have been renamed to include "P1B".

- Appendix D, SDG&E Active Valve Projects Table, Footnote 18:
Valve Project 49-15 Transmission is a new project whose work scope was previously included in Pipeline Project 49-15 Transmission.

PSEP - SCG / SDG&E							
Appendix A - Active Projects List as of May 2016							
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	May-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in May-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			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 ⁽¹⁴⁾	15	1.00	6-Start Up/Turnover	█	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 ⁽¹⁴⁾			6-Start Up/Turnover				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
Section 2B			7-Close-out				Jun-14
Section 3			6-Start Up/Turnover				Dec-14

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	May-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in May-16
Pipeline-SCG							
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 ⁽¹⁵⁾	53	2.68	6-Start Up/Turnover	█	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	█	Aug-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	7-Close-out	█	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				Dec-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	7-Close-out	█	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	█	Aug-16
41-116	142	0.006	3-Project Definition	█	1957	█	Aug-16
41-116BP1	143	0.002	3-Project Definition	█	1957	█	Aug-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			5-Construction				May-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	3-Project Definition				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			2-Selection				Nov-16
36-1001-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1925	█	Mar-18
36-1032-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1928	█	May-18
36-37-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1927	█	May-18
36-1002-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1928	█	Jun-18
43-121-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1930	█	Oct-18
45-1001-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1925	█	Oct-18
38-931-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1942	█	Nov-18
36-9-09N-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1920	█	Mar-18

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	May-16 Project Lifecycle Stage ⁽¹⁾	Predominant Diameter	Predominant Vintage	Predominant %SMYS ⁽²⁾	Construction Start Date (Est.) Reported in May-16
Pipeline-SCG							
38-101-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1921	█	Apr-18
38-960-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1928	█	May-18
44-1008-P1B-01 ⁽¹⁵⁾	N/A	N/A	2-Selection	█	1937	█	May-18
38-143-P1B-01 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1939	█	Nov-18
38-1102-P1B-01 ⁽¹⁵⁾	N/A	N/A	2-Selection	█	1938	█	May-18
7043-P1B-01 ⁽¹⁵⁾	N/A	N/A	1-Project Initiation	█	1930	█	Mar-18
127-P1B-01 ⁽¹⁵⁾	N/A	N/A	2-Selection	█	1944	█	Apr-18
1004-P1B-01 ⁽¹⁵⁾	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 ⁽¹⁵⁾	N/A	N/A	3-Project Definition	█	1945	█	Mar-18
103 ⁽¹⁵⁾	N/A	N/A	2-Selection	█	1941	█	Jan-18
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	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 1600/3602) 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⁾ Project Lifecycle Stage has been revised to Stage 6.

⁽¹⁵⁾ 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.

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

Appendix B Active Projects

SCG	(in \$1,000)	
PSEP Pipeline Projects	May	Project-To-Date Total
Line 85	98	2,799
Line 85 South Newhall	(19)	7,868
Line 103	-	26
Line 127	1	199
Line 128	-	42
Line 225	17	2,168
Line 1004	592	13,916
Line 1005	-	5,820
Line 1011	-	2,419
Line 1013	(1)	2,420
Line 1014	-	825
Line 1015	2	443
Line 2000-A	-	22,427
Line 2000-Bridge	-	391
Line 2000-C	24	6,605
Line 2000-D	109	1,016
Line 2000-E	(46)	6
Line 2000-West	10	23,086
Line 2000-West Santa Fe Springs Station	502	2,119
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	45	11,835
Line 2001 West - B Section 17, 18, 19	107	4,095
Line 2001 West-C	54	1,862
Line 2001 West-D	(88)	249
Line 2001 West-E	(28)	6
Line 2003	-	8,809
Line 2003 Section 2	24	2,199
Line 235 West	-	3,402
Line 235 West Sawtooth Canyon	-	1,884
Line 30-18 ⁽¹⁴⁾	(507)	24,609
Line 31-09	25	(50)
Line 32-21 ⁽¹⁵⁾	(249)	12,659
Line 33-120 Section 1	51	2,874
Line 33-120 Section 2	-	7,046
Line 33-120 Section 3	38	1,649
Line 33-121	(74)	1,229
Line 35-20	-	10
Line 35-20-N	-	231
Line 36-9-09 JJ	28	473
Line 36-9-09 North	131	785
Line 36-9-09 North Section 1	2,580	33,913
Line 36-9-09 North Section 2A	-	108
Line 36-9-09 North Section 2B	(10)	2,944
Line 36-9-09 North Section 3	2,412	22,425
Line 36-9-09 North Section 4	76	7,951
Line 36-9-09 North Section 5	754	8,207
Line 36-9-09 North Section 6	24	3,585
Line 36-9-09 North Section 7	(140)	23,843
Line 36-9-09 South	259	1,063
Line 36-1001	-	67
Line 36-1002	(7)	2,111
Line 36-1032	225	11,394
Line 36-9-21	3	672
Line 36-37	140	2,402
Line 37-07	367	26,730
Line 37-18	938	30,185

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

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	May	Project-To-Date Total
Line 37-18 F	20	3,306
Line 37-18 K	1	97
Line 38-101	18	259
Line 38-143	23	181
Line 38-200	2,831	5,921
Line 38-501 Section 1	25	5,035
Line 38-501 Section 2	127	922
Line 38-504	52	1,727
Line 38-512	(1,756)	27,211
Line 38-512 Section 3	54	209
Line 38-514	2	26
Line 38-514 Section 1	60	465
Line 38-514 Section 2	2,644	9,328
Line 38-539	1	15,475
Line 38-556	58	464
Line 38-931	-	1,097
Line 38-960	106	1,101
Line 38-1102	28	208
Line 38-KWB-P1B-01	(7)	1,729
Line 404	-	15
Line 404 Section 1	259	2,250
Line 404 Section 2	38	3,265
Line 404 Section 2A	29	34
Line 404 Section 3,7&8,8A	66	8,608
Line 404 Section 3A	109	829
Line 404 Section 4&5	62	5,241
Line 404 Section 4A	12	357
Line 404 Section 9	7	710
Line 406	20	9,676
Line 406 Section 3	12	1,405
Line 404/406 Somis Station	23	549
Line 407	-	6,337
Line 41-04ST1	-	-
Line 41-17	2	36
Line 41-17-F	-	-
Line 41-116	3	9
Line 41-116BP1	-	8
Line 41-201	-	3
Line 41-30	1	121
Line 41-30-A	-	429
Line 41-6000-2	3,995	63,235
Line 41-6001-2	-	246
Line 42-66-1	-	681
Line 42-66-2	-	-
Line 43-121	20	192
Line 43-121 North	112	5,385
Line 43-121 South	205	23,266
Line 44-1008	-	1,178
Line 44-137	100	21,849
Line 44-687	(170)	5,076
Line 44-719	-	1
Line 44-654	-	1,825
Line 44-720	(68)	9,465
Line 45-1001	24	187
Line 45-120 Section 1	-	5,818
Line 45-120 Section 2	77	35,157
Line 45-120X01	-	750
Line 4000	-	87
Line 7043	11	12

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

Appendix B Active Projects

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects	May	Project-To-Date Total
Valves	2,358	119,377
Storage Field- Playa Del Rey	-	2,571
Storage Field- Goleta	6	187
Methane Detectors	(1)	314
Communications*	24	1,249
Construction*	511	3,065
Engineering* ⁽¹¹⁾	351	5,600
Training*	16	1,473
Gas Control *	12	74
Environmental*	24	583
Supply Management*	1,490	5,782
General Administration*	771	11,358
Program Management Office*	443	4,647
Total SCG PSEP Pipeline and Valve Projects ⁽¹¹⁾	23,707	804,404

*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 May and project-to-date costs from May 2012 to May 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 May 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,070,114 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 May 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,760 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 May 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$107,072,625 which includes balancing account interest.
- (8) As of May 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,635,196 which includes balancing account interest.
- (9) As of May 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$34,827,063 which includes balancing account interest.
- (10) As of May 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$5,887,522 which includes balancing account interest.
- (11) A \$5,347 prior period adjustment for Test Heads is reflected in PSEP SoCalGas Engineering.

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

Appendix B Active Projects

SDGE		(in \$1,000)
PSEP Pipeline Projects	May	Project-To-Date Total
Line 1600 South	1	412
PSRP Line 1600/3602	700	12,586
Line 49-11	149	4,334
Line 49-13	842	14,270
Line 49-14	1	4,020
Line 49-15 Distribution	829	13,563
Line 49-15 Transmission	13	5,433
Line 49-16 Pipeline	389	7,419
Line 49-16 La Mesa Gate Station	3	156
Line 49-16 4th & Palm	-	335
Line 49-17 East	733	28,046
Line 49-17 West	134	17,644
Line 49-20	-	-
Line 49-22	-	4,060
Line 49-25	(548)	19,268
Line 49-26	1,619	16,678
Line 49-28	934	34,700
Line 49-32 (Replacement)	70	5,842
Valves	276	3,930
Methane Detectors	49	104
Communications *	8	31
Construction *	122	408
Engineering *	99	415
Training *	-	115
Gas Control *	5	13
Environmental *	5	20
Supply Management *	127	524
General Administration *	117	946
Program Management Office *	(77)	429
Total SDGE PSEP Pipeline and Valve Projects	6,600	195,702

*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 May and project-to-date costs from May 2012 to May 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 May 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,070,114 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 May 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,760 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 May 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$107,072,625 which includes balancing account interest.
- (8) As of May 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,635,196 which includes balancing account interest.
- (9) As of May 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$34,827,063 which includes balancing account interest.
- (10) As of May 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$5,887,522 which includes balancing account interest.

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

Appendix B

Projects Remediated or Removed

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

Appendix B

Projects Remediated or Removed

SCG (continued)	(in \$1,000)	
PSEP Pipeline Projects - Remediated or Removed	May	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	-	1
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	6	668

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

Appendix B

Projects Remediated or Removed

SDG&E		(in \$1,000)
PSEP Pipeline Projects - Remediated or Removed	May	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 May 2016

Appendix C - Records Review and Interim Safety Measure Costs

SCG	(in \$1,000)	
	May	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)	
	May	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 May and project-to-date costs from May 2012 to May 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 May 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,070,114 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 May 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,760 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 May 2016				
Valve Projects	May-16 No. of Valves ⁽¹⁾	May-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in May-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	6,758
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	11,248
407 Sullivan Canyon ⁽⁷⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-18	1,107
Victoria Station	4	Closed	Dec-14	1,532
Alhambra Station	3	Stage 5-6 Construction / Turnover	Apr-15	2,878
Pixley Station	3	Closed	Nov-14	1,338
2001W Seg 10-11-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	748
SGV ⁽¹⁶⁾	3	Stage 5-6 Construction / Turnover	Feb-15	5,096
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	7,014
Blythe ⁽³⁾				
Blythe (Cactus City)	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	839
Blythe Station 2	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	406
Banning Airport	2	Stage 5-6 Construction / Turnover	Apr-15	2,153
Orange	3	Stage 5-6 Construction / Turnover	Apr-15	4,549
Palowalla-P1B ⁽¹⁷⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	2,327
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	1,112
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	9,072
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	6,149
404-406 Valley	3	Stage 5-6 Construction / Turnover	Sep-15	1,698
Indio ⁽⁴⁾				
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,371
Indio 2016-P1B ⁽¹⁷⁾	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	523
235-198.20 ⁽⁶⁾	N/A	N/A	N/A	1
L1004 MP 15.27 Carpinteria-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	94
Santa Barbara - 1005 ⁽¹⁰⁾	1	Stage 5-6 Construction / Turnover	Mar-15	380
L4000 MP 45.36 ⁽⁹⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	232
L4000 MP 53.00 ⁽⁸⁾	3	Stage 5-6 Construction / Turnover	May-15	1,651
L4000 MP 69.00 MLV-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	590
L4000 MP 80.08 MLV	3	Stage 5-6 Construction / Turnover	May-15	1,182
L4002 MP 67.00 MLV ⁽¹²⁾	N/A	N/A	N/A	461
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	4,813
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	2,827
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	2,436
Banning 2001	6	Stage 5-6 Construction / Turnover	Apr-16	1,107
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	3,175
Quigley Station ⁽¹²⁾	N/A	N/A	N/A	80
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,501
Aviation	10	Stage 5-6 Construction / Turnover	May-16	3,366
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	2,741
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	2,418
Honor Ranch - L225	6	Stage 5-6 Construction / Turnover	May-16	723
Los Alamitos ⁽¹²⁾	N/A	N/A	N/A	236
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	448
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	547
Fontana Bundle - L4002	1	Stage 5-6 Construction / Turnover	Jul-15	945
SL45-120 Section 2-P1B ^{(5), (17)}	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-17	156
235-335 East	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	489
L1017-P1B ⁽¹⁷⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	241
L1018-P1B ⁽¹⁷⁾	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	364
L2000 Beaumont Riverside ⁽¹¹⁾				
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	2,687
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	-

Valve Projects	May-16 No. of Valves ⁽¹⁾	May-16 Project Lifecycle Stage ⁽²⁾	Construction Start Date (Est.) Reported in May-16	Project-To-Date Total
L7000-P1B ⁽¹⁷⁾	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	610
Taft-P1B ⁽¹⁷⁾	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	536
Rainbow	12	Stage 5-6 Construction / Turnover	May-16	1,530
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	1,842
Cabazon-P1B ⁽¹⁷⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	7
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	1,372
L85 Templin Highway MP 137.99-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	81
43-121-P1B ⁽¹⁷⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	187
Adelanto-P1B ^{(13),(17)}	4	N/A	Sep-17	4
Apple Valley-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-17	14
Burbank & Lindley-P1B ⁽¹⁷⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-17	22
Blythe COMMs-P1B ⁽¹⁷⁾	0	Stage 1 Project Initiation	Jun-18	2
Del Amo Station-P1B ^{(13),(17)}	6	N/A	Sep-18	2
Del Amo / Wilmington-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-18	112
Haskell Station FM-P1B ^{(13),(17)}	1	N/A	Feb-18	1
L2002-P1B ⁽¹⁷⁾	0	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	4
L4000 Victorville-P1B ⁽¹⁷⁾	13	Stage 1 Project Initiation	Jan-19	2
L6916-P1B ⁽¹⁷⁾	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	25
Needles COMMs-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	2
Pico-P1B ^{(13),(17)}	8	N/A	May-18	79
Wilmington-P1B ^{(13),(17)}	5	N/A	Dec-18	117
L4002 MP 72.70-P1B ^{(13),(17)}	1	N/A	Sep-19	4
Brea Hacienda Bundle-P1B ⁽¹⁷⁾	10	Stage 1 Project Initiation	Oct-18	2
L4002 MP 86.44-FM-P1B ^{(13),(17)}	1	N/A	Jul-18	5
Yorba Station-P1B ^{(13),(17)}	1	N/A	Jan-19	1
Lampson Check Valves-P1B ⁽¹³⁾	1	N/A	Aug-18	1
L324 Bundle-P1B ⁽¹³⁾	7	N/A	Mar-19	1
235-335 West Bundle-P1B ⁽¹³⁾	7	N/A	Mar-19	17
Glendale Bundle-P1B ⁽¹³⁾	10	N/A	Dec-18	2
Western/Del Rey Bundle-P1B ⁽¹³⁾	9	N/A	May-19	4
L8109 Bundle-P1B ⁽¹³⁾	6	N/A	May-19	2
Sepulveda Station-P1B ⁽¹⁵⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	13
Victorville COMMs-P1B ⁽¹⁷⁾	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	14
Ventura Station ⁽¹³⁾	6	N/A	Jun-17	2
Chestnut & Grand-P1B ⁽¹³⁾	4	N/A	Mar-18	3
L247 Goleta-P1B ⁽¹⁷⁾	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	6
404-406 Ventura 2016 Bundle	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	21
L225 Bundle-P1B ⁽¹⁷⁾	5	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	-
SB County Bundle-P1B ⁽¹⁷⁾	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	243
Spence Station-P1B ⁽¹⁷⁾	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	10
Carpenteria Bundle-P1B ⁽¹⁷⁾	0	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	3
Santa Barbara Bundle-P1B ⁽¹⁷⁾	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	2
Goleta Bundle-P1B ⁽¹⁷⁾	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	15
Total SoCalGas Valves				119,377
Valve Projects	Valves ⁽¹⁾	May-16 Project Lifecycle Stage ⁽²⁾	Date (Est.) Reported	Total (in \$1,000)
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	117
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	221
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	2,982
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	172
49-15 Transmission ⁽¹⁸⁾	2	Stage 5-6 Construction / Turnover	Nov-15	-
49-16 RCV ⁽¹⁴⁾	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	-
49-16 RCV (4th & Palm)				2
49-16 RCV (La Mesa Gate)				11
49-16 RCV (Mass&Main)				147
49-32-L RCV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-16	278
Total SDG&E Valves				3,930

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 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".

⁽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.

⁽¹⁶⁾ Project Lifecycle Stage has been revised to Stage 6.

⁽¹⁷⁾ Projects have been moved to Phase 1B and have been renamed to include "P1B".

⁽¹⁸⁾ Valve Project 49-15 Transmission is a new valve project whose work scope was previously included in Pipeline Project 49-15 Transmission (see Appendix A).