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July 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-June 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 June 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

## June 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.<sup>1</sup> Attached is the update for June 2016.

### II. Current Status

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

#### Pipelines:

1. New construction activity began on 4 pipeline projects
  - 406 Section 3 (Woodland Hills)
  - 404 Section 9 (Woodland Hills)
  - 32-21 Section 2 (Alhambra)
  - 36-9-09 JJ (Atascadero)
2. 21 pipeline projects are in Construction (Stage 5)
3. 13 pipeline projects are in Start Up/Turnover (Stage 6)
4. 37 pipeline projects are in Close-Out (Stage 7)

#### Valves:

1. No new construction activity for the month of June
2. 29 valve projects are in construction/turnover (Stages 5-6)
3. 15 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 June 2016*
- Appendix C – *Records Review and Interim Safety Measure Costs*
- Appendix D – *PSEP - SoCalGas / SDG&E - Active Valve Projects List*

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

## V. Notes

- Appendix A, SoCalGas Active Projects Table, Footnote 14:  
Project 31-09 Project Lifecycle has been revised to Stage 6 to accurately reflect the status of the project.
- Appendix A, SoCalGas Active Projects Table, Footnote 16:  
Following projects have been renamed to include “(REPL)” at the end:
  - Project “33-121” renamed to “33-121 (REPL)”
  - Project “36-1032” renamed to “36-1032 (REPL)”
  - Project “49-32” renamed to “49-32 (REPL)”
- Appendix A, SoCalGas Active Projects Table, Footnote 17:  
Project 404 Section 3, 7&8, 8A construction start has been revised from February 2015 to February 2014 to reflect the correct construction start date.
- Appendix B, SDG&E Active Projects Table, Footnote 11:  
A retroactive accounting adjustment of (\$80K) was made to capture correct costs for PSRP Line 3602.

PSEP - SCG / SDG&E							
Appendix A - Active Projects List as of June 2016							
Pipeline Project	PSEP Filing Priority	Total Miles as Filed	June-16 Project Lifecycle Stage <sup>(1)</sup>	Predominant Diameter	Predominant Vintage	Predominant %SMYS <sup>(2)</sup>	Construction Start Date (Est.) Reported in June-16
Pipeline-SCG							
2000 <sup>(3)</sup>	1	117.6 <sup>(3)</sup>		█	1947	█	
2000-A			Closed				Jun-13
2000-Bridge			3-Project Definition				Jul-17
2000-West <sup>(6)</sup>							
Section 1,2,3			7-Close-out				Jul-14
Santa Fe Springs Sta.			4-Detailed Design				Oct-16
2001 West <sup>(4)</sup>	3	64.10		█	1950	█	
2001 West - A			7-Close-out				Apr-14
2001 West - B <sup>(6)</sup>							
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 <sup>(3)(4)(6)</sup>							
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 <sup>(6)</sup>	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 <sup>(6)</sup>	9	20.70		█	1951	█	
Section 1,2,2A,4,5			7-Close-out				Aug-14
Section 3			5-Construction				Jun-16
235 West	10	3.10	6-Start Up/Turnover	█	1957	█	Jun-14
1013	11	3.50	7-Close-out	█	1954	█	Jul-14
1015	12	7.85	7-Close-out	█	1954	█	Aug-14
1004	13	19.70	6-Start Up/Turnover	█	1944	█	May-15
404 <sup>(6)</sup>	14	37.80		█	1949	█	
Section 1			7-Close-out				Sep-15
Section 2			7-Close-out				Sep-15
Section 2A			4-Detailed Design				Mar-17
Section 3,7&8,8A <sup>(17)</sup>			7-Close-out				Feb-14
Section 3A			4-Detailed Design				Aug-16
Section 4&5			7-Close-out				Sep-15
Section 4A			4-Detailed Design				Jan-18
Section 9			5-Construction				Jun-16
44-137	15	1.00	7-Close-out	█	1950	█	Nov-14
2000-0.18-BO Crossover Piping <sup>(5)</sup>			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 <sup>(6)</sup>	22	4.41		█	1930	█	
43-121 North			4-Detailed Design				Jul-16
43-121 South			5-Construction				Aug-14
33-120 <sup>(6)</sup>	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 <sup>(6)</sup>	25	4.30		█	1930	█	
Section 1			7-Close-out				Mar-14
Section 2			5-Construction				Sep-14
32-21 <sup>(6)</sup>	26	10.23		█	1948	█	
Section 1			7-Close-out				May-15
Section 2			5-Construction				Jun-16
Section 3			4-Detailed Design				Sep-16
41-6000-2 <sup>(9)</sup>	27	39.95	5-Construction	█	1948	█	Sep-15
36-9-09 North <sup>(6)</sup>	29	16.02		█	1932	█	
Section 1			5-Construction				May-15
Section 2A			4-Detailed Design				Jul-18
Section 2B			7-Close-out				Jun-14
Section 3			6-Start Up/Turnover				Dec-14
Section 4 <sup>(12)</sup>			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

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	June-16 Project Lifecycle Stage <sup>(1)</sup>	Predominant Diameter	Predominant Vintage	Predominant %SMYS <sup>(2)</sup>	Construction Start Date (Est.) Reported in June-16
Pipeline-SCG							
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 <sup>(10)</sup>			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	3-Project Definition	█	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 <sup>(14)</sup>	52	12.81	6-Start Up/Turnover	█	1958	█	Jul-15
37-07	53	2.68	6-Start Up/Turnover	█	1945	█	Sep-14
33-121 (REPL) <sup>(16)</sup>	59	0.16	3-Project Definition	█	1955	█	Apr-17
41-6001-2	63	0.005	3-Project Definition	█	1967	█	Nov-16
36-1032 (REPL) <sup>(16)</sup>	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	6-Start Up/Turnover	█	1948	█	Apr-16
45-120X01	87	0.01	Closed	█	1930	█	Sep-13
38-501 <sup>(6)</sup>	89	1.98		█	1952	█	
Section 1			7-Close-out				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	7-Close-out	█	1946	█	Sep-14
38-512 <sup>(6)</sup>	106	4.78		█	1939	█	
Line 38-512			7-Close-out				Mar-15
Line 38-512 Section 3			3-Project Definition				Mar-17
44-1008 Section 2B <sup>(8)</sup>	107	10.06	4-Detailed Design	█	1937	█	Oct-17
35-20-N	113	0.010	Closed	█	1929	█	Aug-14
38-539	124	12.08	7-Close-out	█	1964	█	Oct-14
36-9-21	126	5.06	3-Project Definition	█	1950	█	Sep-17
44-720	132	1.17	7-Close-out	█	1947	█	Jun-15
41-201	138	0.01	3-Project Definition	█	1957	█	Aug-16
41-116	142	0.006	3-Project Definition	█	1957	█	Oct-16
41-116BP1	143	0.002	3-Project Definition	█	1957	█	Oct-16
225	N/A	N/A	4-Detailed Design	█	1959	█	Mar-17
235W Sawtooth Canyon	N/A	N/A	7-Close-out	█	1957	█	Oct-14
38-931	N/A	N/A	3-Project Definition	█	1942	█	Apr-17
38-504	N/A	N/A	4-Detailed Design	█	1952	█	Jul-16
38-514 <sup>(6)</sup>	N/A	N/A		█	1945	█	
Section 1			6-Start Up/Turnover				May-16
Section 2			6-Start Up/Turnover				Feb-16
36-9-09 South	N/A	N/A	6-Start Up/Turnover	█	1951	█	Apr-16
36-9-09-JJ	N/A	N/A	5-Construction	█	1920	█	Jun-16
85 <sup>(13)</sup>	N/A	N/A	3-Project Definition				TBD
85 South Newhall	N/A	N/A	7-Close-out	█	1931	█	Dec-14
404-406 Somis Station <sup>(11)</sup>	N/A	N/A	3-Project Definition	█	1951	█	Aug-17
Storage <sup>(7)</sup>	-	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 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1925	█	Mar-18
36-1032-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1928	█	May-18
36-37-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1927	█	May-18
36-1002-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1928	█	Jun-18
43-121-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1930	█	Oct-18
45-1001-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1925	█	Oct-18
38-931-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1942	█	Nov-18
36-9-09N-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1920	█	Mar-18
38-101-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1921	█	Apr-18
38-960-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1928	█	May-18
44-1008-P1B-01 <sup>(15)</sup>	N/A	N/A	2-Selection	█	1937	█	May-18
38-143-P1B-01 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1939	█	Nov-18
38-1102-P1B-01 <sup>(15)</sup>	N/A	N/A	2-Selection	█	1938	█	May-18
7043-P1B-01 <sup>(15)</sup>	N/A	N/A	1-Project Initiation	█	1930	█	Mar-18
127-P1B-01 <sup>(15)</sup>	N/A	N/A	2-Selection	█	1944	█	Apr-18
1004-P1B-01 <sup>(15)</sup>	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 <sup>(15)</sup>	N/A	N/A	3-Project Definition	█	1945	█	Mar-18
103 <sup>(15)</sup>	N/A	N/A	2-Selection	█	1941	█	Jan-18

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	June-16 Project Lifecycle Stage <sup>(1)</sup>	Predominant Diameter	Predominant Vintage	Predominant %SMYS <sup>(2)</sup>	Construction Start Date (Est.) Reported in June-16
Pipeline-SCG							
Pipeline-SDG&E							
PSRP Line 1600/3602 <sup>(13)</sup>	N/A	47.00	4-Detailed Design				TBD
49-28	1	4.89	5-Construction	█	1932	█	Sep-14
49-17	2	5.812		█	1948	█	
49-17 East			5-Construction				Jun-15
49-17 West			5-Construction				Oct-14
49-25	4	2.278	5-Construction	█	1960	█	Aug-14
49-32 (REPL) <sup>(16)</sup>	5	0.06	7-Close-out	█	1950	█	Jun-14
49-16 <sup>(6)</sup>	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 <sup>(6)</sup>	15	6.60		█	1950	█	
49-15 (REPL)			5-Construction				Nov-15
49-15 Transmission			5-Construction				Nov-15
49-22	16	4.04	7-Close-out	█	1951	█	Apr-14
49-13	18	3.46	5-Construction	█	1959	█	Jul-15
49-32-L	N/A	0.115	4-Detailed Design	█	1965	█	Aug-16

<sup>(1)</sup> 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.

<sup>(2)</sup> The number shown, e.g. 67% is the stress level of the majority of the pipe segments.

<sup>(3)</sup> 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."

<sup>(4)</sup> 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."

<sup>(5)</sup> 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".

<sup>(6)</sup> 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.

<sup>(7)</sup> 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.

<sup>(8)</sup> Project 44-1008 has been renamed to project "44-1008 Section 2B".

<sup>(9)</sup> 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.

<sup>(10)</sup> Projects "42-66-1" and "42-66-2" have been merged as one project "42-66-1&2".

<sup>(11)</sup> Project "Somis Station" has been renamed to "404-406 Somis Station".

<sup>(12)</sup> 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".

<sup>(13)</sup> 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.

<sup>(14)</sup> Project 31-09 Project Lifecycle Stage has been revised to Stage 6 to accurately reflect the status.

<sup>(15)</sup> 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.

<sup>(16)</sup> Project name has been changed to include "(REPL)" at the end of the project name.

<sup>(17)</sup> Project 404 Section 3, 7&8, 8A construction start has been revised from February 2015 to February 2014 to reflect the correct construction start date.

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B Active Projects

<b>SCG</b>		( in \$1,000)
<b>PSEP Pipeline Projects</b>	<b>June</b>	<b>Project-To-Date Total</b>
Line 85	27	2,826
Line 85 South Newhall	335	8,203
Line 103	7	33
Line 127	13	212
Line 128	-	42
Line 225	263	2,431
Line 1004	25	13,940
Line 1005	-	5,820
Line 1011	-	2,419
Line 1013	-	2,420
Line 1014	-	825
Line 1015	2,012	2,455
Line 2000-A	-	22,427
Line 2000-Bridge	-	391
Line 2000-C	(632)	5,973
Line 2000-D	189	1,205
Line 2000-E	110	116
Line 2000-West	37	23,122
Line 2000-West Santa Fe Springs Station	(75)	2,045
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	69	11,904
Line 2001 West - B Section 17, 18, 19	1,038	5,133
Line 2001 West-C	89	1,951
Line 2001 West-D	269	518
Line 2001 West-E	94	100
Line 2003	6	8,815
Line 2003 Section 2	468	2,667
Line 235 West	-	3,402
Line 235 West Sawtooth Canyon	-	1,884
Line 30-18	(1,528)	23,081
Line 31-09	(9)	(58)
Line 32-21	185	12,844
Line 33-120 Section 1	23	2,897
Line 33-120 Section 2	5	7,051
Line 33-120 Section 3	87	1,736
Line 33-121	(30)	1,199
Line 35-20	-	10
Line 35-20-N	-	231
Line 36-9-09 JJ	108	581
Line 36-9-09 North	487	1,271
Line 36-9-09 North Section 1	3,829	37,743
Line 36-9-09 North Section 2A	(21)	88
Line 36-9-09 North Section 2B	5	2,949
Line 36-9-09 North Section 3	679	23,104
Line 36-9-09 North Section 4	144	8,095
Line 36-9-09 North Section 5	803	9,010
Line 36-9-09 North Section 5A	439	439
Line 36-9-09 North Section 5C	80	80
Line 36-9-09 North Section 6	194	3,779
Line 36-9-09 North Section 7	279	24,122
Line 36-9-09 South	596	1,659
Line 36-1001	4	71
Line 36-1002	334	2,445
Line 36-1032	324	11,718
Line 36-9-21	4	676
Line 36-37	230	2,632

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B Active Projects

<b>SCG</b> (continued)	( in \$1,000)	
<b>PSEP Pipeline Projects</b>	<b>June</b>	<b>Project-To-Date Total</b>
Line 37-07	(77)	26,653
Line 37-18	889	31,074
Line 37-18 F	93	3,399
Line 37-18 K	1	99
Line 38-101	32	291
Line 38-143	44	225
Line 38-200	892	6,813
Line 38-501 Section 1	7	5,042
Line 38-501 Section 2	305	1,228
Line 38-504	142	1,869
Line 38-512	10	27,221
Line 38-512 Section 3	(12)	197
Line 38-514	107	133
Line 38-514 Section 1	989	1,454
Line 38-514 Section 2	1,490	10,818
Line 38-539	-	15,475
Line 38-556	70	534
Line 38-931	121	1,218
Line 38-960	39	1,140
Line 38-1102	(16)	193
Line 38-KWB-P1B-01	6	1,735
Line 404	-	15
Line 404 Section 1	113	2,363
Line 404 Section 2	450	3,715
Line 404 Section 2A	45	79
Line 404 Section 3,7&8,8A	21	8,629
Line 404 Section 3A	196	1,025
Line 404 Section 4&5	894	6,135
Line 404 Section 4A	117	474
Line 404 Section 9	265	976
Line 406	4	9,680
Line 406 Section 3	172	1,576
Line 404/406 Somis Station	38	587
Line 407	22	6,360
Line 41-04ST1	-	-
Line 41-17	9	45
Line 41-17-F	-	-
Line 41-116	2	12
Line 41-116BP1	-	8
Line 41-201	-	3
Line 41-30	1	122
Line 41-30-A	-	429
Line 41-6000-2	8,109	71,344
Line 41-6001-2	-	246
Line 42-66-1	-	681
Line 42-66-2	-	-
Line 43-121	17	209
Line 43-121 North	(987)	4,399
Line 43-121 South	169	23,435
Line 44-1008	17	1,195
Line 44-137	48	21,897
Line 44-687	(111)	4,965
Line 44-719	-	1
Line 44-654	-	1,825
Line 44-720	23	9,488
Line 45-1001	18	205
Line 45-120 Section 1	-	5,818
Line 45-120 Section 2	471	35,627
Line 45-120X01	-	750



# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B Active Projects

SCG (continued)		( in \$1,000)
PSEP Pipeline Projects	June	Project-To-Date Total
Line 4000	(78)	9
Line 7043	5	17
Valves	6,440	125,817
Storage Field- Playa Del Rey	(4)	2,568
Storage Field- Goleta	4	191
Methane Detectors	2	316
Communications *	(170)	1,078
Construction *	(528)	2,537
Engineering *	(379)	5,221
Training *	(304)	1,169
Gas Control *	(17)	57
Environmental *	(120)	463
Supply Management *	(1,276)	4,506
General Administration *	86	11,445
Program Management Office *	(726)	3,921
<b>Total SCG PSEP Pipeline and Valve Projects</b>	<b>29,790</b>	<b>834,193</b>

\*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 June and project-to-date costs from May 2012 to June 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 June 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,088,942 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 June 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,793 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 June 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$112,420,017 which includes balancing account interest.
- (8) As of June 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,995,144 which includes balancing account interest.
- (9) As of June 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$39,369,275 which includes balancing account interest.
- (10) As of June 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$6,671,095 which includes balancing account interest.

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B Active Projects

<b>SDGE</b>		( in \$1,000)	
<b>PSEP Pipeline Projects</b>	<b>June</b>	<b>Project-To-Date Total</b>	
Line 1600 South	-	412	
PSRP Line 1600/3602 <sup>(11)</sup>	1,986	14,492	
Line 49-11	52	4,386	
Line 49-13	3,516	17,786	
Line 49-14	23	4,043	
Line 49-15 Distribution	807	14,371	
Line 49-15 Transmission	10	5,443	
Line 49-16 Pipeline	701	8,120	
Line 49-16 La Mesa Gate Station	9	165	
Line 49-16 4th & Palm	50	385	
Line 49-17 East	5,136	33,181	
Line 49-17 West	98	17,742	
Line 49-20	-	-	
Line 49-22	(13)	4,047	
Line 49-25	3,084	22,352	
Line 49-26	3,088	19,765	
Line 49-28	1,107	35,807	
Line 49-32 (Replacement)	231	6,073	
Valves	413	4,343	
Methane Detectors	-	104	
Communications *	(16)	15	
Construction *	(136)	272	
Engineering *	(102)	313	
Training *	(37)	77	
Gas Control *	(3)	10	
Environmental *	(5)	15	
Supply Management *	(114)	410	
General Administration *	24	970	
Program Management Office *	(158)	271	
<b>Total SDGE PSEP Pipeline and Valve Projects</b>	<b>19,749</b>	<b>215,371</b>	

\*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 June and project-to-date costs from May 2012 to June 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 June 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,088,942 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 June 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,793 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 June 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$112,420,017 which includes balancing account interest.
- (8) As of June 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$7,995,144 which includes balancing account interest.
- (9) As of June 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$39,369,275 which includes balancing account interest.
- (10) As of June 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$6,671,095 which includes balancing account interest.
- (11) A retroactive accounting adjustment of (\$80K) was made to capture correct costs for PSRP Line 3602.

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B

### Projects Remediated or Removed

<b>SCG</b>	( in \$1,000)	
<b>PSEP Pipeline Projects - Remediated or Removed</b>	<b>June</b>	<b>Project-To-Date Total</b>
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	-	-
Line 30-6209	-	-
Line 30-6292	-	-
Line 30-6543	-	-
Line 30-6799	-	-

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B

### Projects Remediated or Removed

<b>SCG (continued)</b>	( in \$1,000)	
<b>PSEP Pipeline Projects - Remediated or Removed</b>	<b>June</b>	<b>Project-To-Date Total</b>
Line 30-6799BR1	-	-
Line 317	-	-
Line 32-90	-	-
Line 35-10	-	-
Line 35-20-A	-	17
Line 35-20-A1	-	-
Line 35-22	-	-
Line 35-39	-	-
Line 35-40	-	-
Line 35-6405	-	-
Line 35-6416	-	-
Line 35-6520	-	38
Line 36-1006	-	-
Line 36-6588	-	-
Line 36-7-04	-	-
Line 36-9-21BR1	-	-
Line 37-49	-	-
Line 37-6180	-	-
Line 38-351	-	-
Line 408XO1	-	-
Line 41-04-I	-	8
Line 41-05	-	4
Line 41-05-A	-	-
Line 41-101	-	-
Line 41-128	-	-
Line 41-141	-	-
Line 41-17-A2	-	4
Line 41-17-FST1	-	-
Line 41-198	-	-
Line 41-199	-	-
Line 41-25-A	-	-
Line 41-55	-	-
Line 41-83	-	-
Line 41-84	-	-
Line 41-84-A	-	-
Line 41-90	-	-
Line 41-6045	-	48
Line 41-6501	-	34
Line 42-12	-	-
Line 42-46	-	-
Line 42-46-F	-	-
Line 42-57	-	-
Line 43-1106	-	-
Line 43-34	-	-
Line 45-163	-	1
Line 53	-	-
Line 6100	-	-
Line 765-8.24-BO	-	-
Line 765BR4	-	-
Line 775	-	-
Line 775BO1	-	-
Line 8107	-	-
<b>Total SCG PSEP Pipeline Projects - Remediated or Removed</b>	<b>-</b>	<b>668</b>

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix B

### Projects Remediated or Removed

<b>SDG&amp;E</b>		( in \$1,000)
<b>PSEP Pipeline Projects - Remediated or Removed</b>	<b>June</b>	<b>Project-To-Date Total</b>
Line 49-18	-	-
Line 49-19	-	-
Line 49-27	-	-
Line 49-32 (Test)	-	-
<b>Total SDG&amp;E PSEP Pipeline Projects - Remediated or Removed</b>	-	-

# SCG and SDGE PSEP Cost Report to the Commission for June 2016

## Appendix C - Records Review and Interim Safety Measure Costs

<b>SCG</b>	( in \$1,000)	
	<b>June</b>	<b>Project-To-Date Total</b>
Leak Survey and Pipeline Patrol	-	684
Records Review	-	14,707
Pressure Protection Equipment	-	196
Other Remediation	-	447
<b>Total SCG Records Review and Interim Safety Measure Costs</b>	-	<b>16,035</b>

<b>SDGE</b>	( in \$1,000)	
	<b>June</b>	<b>Project-To-Date Total</b>
Leak Survey and Pipeline Patrol	-	70
Records Review	-	1,098
Pressure Protection Equipment	-	3
Other Remediation	-	1
<b>Total SDGE Records Review and Interim Safety Measure Costs</b>	-	<b>1,172</b>

Overall Table Notes:

- (1) Costs reflect actuals for the month of June and project-to-date costs from May 2012 to June 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 June 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,088,942 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 June 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,793 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 June 2016**

Valve Projects	June-16 No. of Valves <sup>(1)</sup>	June-16 Project Lifecycle Stage <sup>(2)</sup>	Construction Start Date (Est.) Reported in June-16	Project-To-Date Total ( in \$1,000)
<b>Valves-SoCalGas</b>				
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	6,804
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	11,359
407 Sullivan Canyon-P1B <sup>(7), (12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-18	1,114
Victoria Station	4	Closed	Dec-14	1,532
Alhambra Station	3	Stage 5-6 Construction / Turnover	Apr-15	2,921
Pixley Station	3	Closed	Nov-14	1,339
2001W Seg 10-11-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	750
SGV	3	Stage 5-6 Construction / Turnover	Feb-15	5,096
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	7,050
Blythe <sup>(3)</sup>				
Blythe (Cactus City)-P1B <sup>(12)</sup>	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	407
Banning Airport	2	Stage 5-6 Construction / Turnover	Apr-15	2,202
Orange	3	Stage 5-6 Construction / Turnover	Apr-15	4,544
Palowalla-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	2,372
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	1,130
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	9,368
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	6,613
404-406 Valley	7	Stage 5-6 Construction / Turnover	Sep-15	1,741
Indio <sup>(4)</sup>				
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,405
Indio 2016-P1B <sup>(12)</sup>	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	526
235-198.20 <sup>(6)</sup>	N/A	N/A	N/A	1
L1004 MP 15.27 Carpinteria-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	97
Santa Barbara - 1005 <sup>(10)</sup>	1	Stage 7 Close-out / Reconciliation	Mar-15	381
L4000 MP 45.36 <sup>(9)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	238
L4000 MP 53.00 <sup>(8)</sup>	3	Stage 7 Close-out / Reconciliation	May-15	1,662
L4000 MP 69.00 MLV-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	594
L4000 MP 80.08 MLV	3	Stage 7 Close-out / Reconciliation	May-15	1,199
L4002 MP 67.00 MLV <sup>(6)</sup>	N/A	N/A	N/A	463
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	5,456
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	3,288
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	2,563
Banning 2001	6	Stage 5-6 Construction / Turnover	Apr-16	1,461
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	3,231
Quigley Station <sup>(6)</sup>	N/A	N/A	N/A	80
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,523
Aviation	10	Stage 5-6 Construction / Turnover	May-16	4,567
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	3,036
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	2,847
Honor Ranch - L225	4	Stage 5-6 Construction / Turnover	May-16	851
Los Alamitos <sup>(6)</sup>	N/A	N/A	N/A	236
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	453
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	586
Fontana Bundle - L4002	1	Stage 7 Close-out / Reconciliation	Jul-15	990
SL45-120 Section 2-P1B <sup>(5), (12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-17	159
235-335 East	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	515
L1017-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	266
L1018-P1B <sup>(12)</sup>	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	493
L2000 Beaumont Riverside <sup>(11)</sup>				
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	2,824
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	-

Valve Projects	June-16 No. of Valves <sup>(1)</sup>	June-16 Project Lifecycle Stage <sup>(2)</sup>	Construction Start Date (Est.) Reported in June-16	Project-To-Date Total
L7000-P1B <sup>(12)</sup>	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	770
Taft-P1B <sup>(12)</sup>	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	679
Rainbow	12	Stage 5-6 Construction / Turnover	May-16	1,760
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	2,007
Cabazon-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	7
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	1,408
L85 Templin Highway MP 137.99-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	82
43-121-P1B <sup>(12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	195
Adelanto-P1B <sup>(12),(13)</sup>	4	N/A	Sep-17	4
Apple Valley-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-17	31
Burbank & Lindley-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-17	22
Blythe COMMs-P1B <sup>(12)</sup>	0	Stage 1 Project Initiation	Jun-18	2
Del Amo Station-P1B <sup>(12),(13)</sup>	6	N/A	Sep-18	4
Del Amo / Wilmington-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-18	127
Haskell Station FM-P1B <sup>(12),(13)</sup>	1	N/A	Feb-18	1
L2002-P1B <sup>(12)</sup>	0	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	4
L4000 Victorville-P1B <sup>(12)</sup>	13	Stage 1 Project Initiation	Jan-19	2
L6916-P1B <sup>(12)</sup>	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	32
Needles COMMs-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	2
Pico-P1B <sup>(12),(13)</sup>	8	N/A	May-18	83
Wilmington-P1B <sup>(12),(13)</sup>	5	N/A	Dec-18	190
L4002 MP 72.70-P1B <sup>(12),(13)</sup>	1	N/A	Sep-19	4
Brea Hacienda Bundle-P1B <sup>(12)</sup>	10	Stage 1 Project Initiation	Oct-18	2
L4002 MP 86.44-FM-P1B <sup>(12),(13)</sup>	1	N/A	Jul-18	6
Yorba Station-P1B <sup>(12),(13)</sup>	1	N/A	Jan-19	1
Lampson Check Valves-P1B <sup>(13)</sup>	1	N/A	Aug-18	2
L324 Bundle-P1B <sup>(13)</sup>	7	N/A	Mar-19	2
235-335 West Bundle-P1B <sup>(13)</sup>	7	N/A	Mar-19	18
Glendale Bundle-P1B <sup>(13)</sup>	10	N/A	Dec-18	3
Western/Del Rey Bundle-P1B <sup>(13)</sup>	9	N/A	May-19	7
L8109 Bundle-P1B <sup>(13)</sup>	6	N/A	May-19	3
Sepulveda Station-P1B <sup>(15)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	41
Victorville COMMs-P1B <sup>(12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	38
Ventura Station <sup>(13)</sup>	6	N/A	Jun-17	3
Chestnut & Grand-P1B <sup>(13)</sup>	4	N/A	Mar-18	4
L247 Goleta-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	8
404-406 Ventura 2016 Bundle	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	114
L225 Bundle-P1B <sup>(12)</sup>	5	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	-
SB County Bundle-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	274
Spence Station-P1B <sup>(12)</sup>	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	13
Carpenteria Bundle-P1B <sup>(12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	7
Santa Barbara Bundle-P1B <sup>(12)</sup>	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	13
Goleta Bundle-P1B <sup>(12)</sup>	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	30
<b>Total SoCalGas Valves</b>				<b>125,817</b>
<b>Valve Projects</b>	<b>Valves<sup>(1)</sup></b>	<b>June-16 Project Lifecycle Stage<sup>(2)</sup></b>	<b>Date (Est.) Reported</b>	<b>Total</b>
		<b>Valves-SDG&amp;E</b>		<b>( in \$1,000)</b>
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	118
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	225
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	3,140
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	314
49-15 Transmission	2	Stage 5-6 Construction / Turnover	Nov-15	-
49-16 RCV <sup>(14)</sup>	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	-
49-16 RCV (4th & Palm)				6
49-16 RCV (La Mesa Gate)				11
49-16 RCV (Mass&Main)				148
49-32-L RCV	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-16	381
<b>Total SDG&amp;E Valves</b>				<b>4,343</b>

Overall Table Notes:

- <sup>(1)</sup> 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)
- <sup>(2)</sup> 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,
- <sup>(3)</sup> 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.
- <sup>(4)</sup> 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.
- <sup>(5)</sup> Valve Bundle "33-120 Fault Isolation" has been renamed to "SL45-120 Section 2".
- <sup>(6)</sup> Valve Project is in the process of being descoped from PSEP. Final costs are being adjusted accordingly.
- <sup>(7)</sup> Valve Bundle "407 San Vicente" has been renamed to "407 Sullivan Canyon".
- <sup>(8)</sup> Valve "4000 MP 57.00" has been renamed to "L4000 MP 53.00".
- <sup>(9)</sup> Valve "4000 MP 41.72" has been renamed to "L4000 MP 45.36".
- <sup>(10)</sup> Valve "1005-18.04-0" has been renamed to "Santa Barbara Bundle - 1005".
- <sup>(11)</sup> Valve Bundle "L2000 Beaumont Riverside" has been regrouped into two projects: "L2000 Beaumont Riverside 2015" and "L2000 Beaumont Riverside 2016".
- <sup>(12)</sup> Projects have been moved to Phase 1B and have been renamed to include "P1B".
- <sup>(13)</sup> New valve bundle is currently being initiated, with information about project scope, stage, and/or construction start date available at a later time.
- <sup>(14)</sup> 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".
- <sup>(15)</sup> Valve bundle "Willow Station" has been renamed to "Sepulveda Station" bundle.