



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

September 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-August 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 August 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

## August 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 August 2016.

### II. Current Status

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

#### Pipelines:

1. New construction activity began on 4 pipeline projects
  - 404 Section 3A (Ventura)
  - 43-121 North (Los Angeles)
  - 37-18-F (Torrance, Los Angeles)
  - 38-501 Section 2 (Lemoore)
2. 21 pipeline projects are in Construction (Stage 5)
3. 9 pipeline projects are in Start Up/Turnover (Stage 6)
4. 46 pipeline projects are in Close-Out (Stage 7)

#### Valves:

1. New construction activity began on 2 valve projects
  - L225 Bundle (Kern County)
  - 49-32-L RCV (San Diego)
2. 30 valve projects are in construction/turnover (Stages 5-6)
3. 16 valve projects are in Close-Out (Stage 7)

### III. Costs

Actual costs tracked in SoCalGas and SDG&E's respective Regulatory Accounts are provided in Appendix B and Appendix C.

### IV. Attachments

- Appendix A – *PSEP - SoCalGas / SDG&E - Active Pipeline Projects List*
- Appendix B – *SoCalGas and SDG&E PSEP Cost Report to the Commission for August 2016*
- Appendix C – *Records Review and Interim Safety Measure Costs*
- Appendix D – *PSEP - SoCalGas / SDG&E - Active Valve Projects List*

---

<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 16:  
Projects 41-17-F, 41-30, 41-201 and 41-116BP1 are in the process of being descoped.
- Appendix B, SDGE Active Projects Table, Footnote 11:  
The decrease of \$2,439K in the PSRP Line 1600/3602 project-to-date costs in the August 2016 report compared to the July 2016 report is due to July costs inadvertently including indirect costs.
- Appendix D, SoCalGas Active Valve Projects Table, Footnote 17:  
Project “Rainbow” has been separated into 2 projects, “Rainbow Bundle” and Rainbow Bundle 2017”.

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

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	August-16 Project Lifecycle Stage <sup>(1)</sup>	Predominant Vintage	Construction Start Date (Est.) Reported in August-16
<b>Pipeline-SCG</b>					
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			7-Close-out		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		Jan-17
2001 West - C			4-Detailed Design		Sep-17
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			6-Start Up/Turnover		Jun-16
235 West	10	3.10	7-Close-out	1957	Jun-14
1013	11	3.50	7-Close-out	1954	Jul-14
1015	12	7.85	7-Close-out	1954	Aug-14
1004	13	19.70	7-Close-out	1944	May-15
404 <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			7-Close-out		Feb-14
Section 3A			5-Construction		Aug-16
Section 4&5			7-Close-out		Sep-15
Section 4A			4-Detailed Design		Jan-18
Section 9			6-Start Up/Turnover		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			5-Construction		Aug-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		Nov-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	6-Start Up/Turnover	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			7-Close-out		Dec-14
Section 4 <sup>(12)</sup>			5-Construction		Sep-14
Section 5			6-Start Up/Turnover		Feb-16
Section 6A			7-Close-out		Mar-15
Section 6B			3-Project Definition		Aug-17
Section 7A			4-Detailed Design		Sep-16
Section 7B			7-Close-out		May-15
1011	36	5.14	7-Close-out	1955	Jul-14

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	August-16 Project Lifecycle Stage <sup>(1)</sup>	Predominant Vintage	Construction Start Date (Est.) Reported in August-16
<b>Pipeline-SCG</b>					
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 <sup>(6)</sup>	45	4.16		1945	
37-18			5-Construction		Oct-14
Line 37-18 Section 5			3-Project Definition		May-17
37-18-F	46	2.06	5-Construction	1946	Aug-16
37-18-K	12	2.85	3-Project Definition	1949	Mar-17
30-18 <sup>(6)</sup>	47	2.58		1943	
30-18			5-Construction		Jul-14
30-18 Section 3			3-Project Definition		Nov-17
44-654	50	0.01	7-Close-out	1957	Jun-14
31-09 <sup>(14)</sup>	52	12.81	7-Close-out	1958	Jul-15
37-07	53	2.68	7-Close-out	1945	Sep-14
33-121 (REPL) <sup>(15)</sup>	59	0.16	3-Project Definition	1955	Apr-17
41-6001-2	63	0.005	3-Project Definition	1967	Mar-17
36-1032 (REPL) <sup>(15)</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 <sup>(16)</sup>	82	3.95	4-Detailed Design	1953	N/A
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			5-Construction		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 <sup>(16)</sup>	138	0.01	3-Project Definition	1957	N/A
41-116	142	0.006	4-Detailed Design	1957	Oct-16
41-116BP1 <sup>(16)</sup>	143	0.002	3-Project Definition	1957	N/A
225	N/A	N/A	4-Detailed Design	1959	Mar-18
235W Sawtooth Canyon	N/A	N/A	7-Close-out	1957	Oct-14
38-931	N/A	N/A	4-Detailed Design	1942	Oct-16
38-504	N/A	N/A	4-Detailed Design	1952	Sep-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	7-Close-out	1951	Apr-16
36-9-09-JJ	N/A	N/A	6-Start Up/Turnover	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	4-Detailed Design	1951	Jun-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			4-Detailed Design		Apr-17
L128-P1B-01			2-Selection		Nov-16
36-1001-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1925	Mar-18
36-1032-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1928	May-18
36-37-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1927	May-18
36-1002-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1928	Jun-18
43-121-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1930	Oct-18
45-1001-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1925	Oct-18
38-931-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1942	Nov-18
36-9-09N-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1920	Mar-18
38-101-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1921	Apr-18
38-960-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1928	May-18
44-1008-P1B-01 <sup>(14)</sup>	N/A	N/A	2-Selection	1937	May-18
38-143-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1939	Nov-18
38-1102-P1B-01 <sup>(14)</sup>	N/A	N/A	2-Selection	1938	May-18
7043-P1B-01	N/A	N/A	1-Project Initiation	1930	Mar-18
127-P1B-01	N/A	N/A	2-Selection	1944	Apr-18
1004-P1B-01	N/A	N/A	3-Project Definition	1945	Jul-18
38-KWB-P1B-01	N/A	N/A	7-Close-out	Various	Oct-15
38-514-P1B-01 <sup>(14)</sup>	N/A	N/A	3-Project Definition	1945	Mar-18
103 <sup>(14)</sup>	N/A	N/A	2-Selection	1941	Jan-18
41-17	57	3.580	N/A	1955	Sep-16
41-17-F <sup>(16)</sup>	60	0.030	N/A	1955	N/A

Pipeline Project	PSEP Filing Priority	Total Miles as Filed	August-16 Project Lifecycle Stage <sup>(1)</sup>	Predominant Vintage	Construction Start Date (Est.) Reported in August-16
<b>Pipeline-SCG</b>					
<b>Pipeline-SDG&amp;E</b>					
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>(15)</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	5-Construction	1965	Aug-16
49-20	3	0.040	N/A	N/A	Oct-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> 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>(15)</sup> Project name has been changed to include "(REPL)" at the end of the project name.

<sup>(16)</sup> Projects 41-17-F, 41-30, 41-201 and 41-116BP1 are in the process of being descope

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

## Appendix B Active Projects

SCG		( in \$1,000)	
PSEP Pipeline Projects	August	Project-To-Date Total	
Line 85	118	3,116	
Line 85 South Newhall	115	8,333	
Line 103	1	34	
Line 127	2	215	
Line 128	-	42	
Line 225	51	2,497	
Line 1004	25	13,990	
Line 1005	-	5,820	
Line 1011	-	2,418	
Line 1013	-	2,420	
Line 1014	-	825	
Line 1015	-	2,455	
Line 2000-A	-	22,427	
Line 2000-Bridge	4	395	
Line 2000-C	56	6,075	
Line 2000-D	3	1,220	
Line 2000-E	33	128	
Line 2000-West	(1)	23,188	
Line 2000-West Santa Fe Springs Station	393	2,483	
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	5	11,879	
Line 2001 West - B Section 17, 18, 19	14	5,126	
Line 2001 West-C	40	1,954	
Line 2001 West-D	5	550	
Line 2001 West-E	30	120	
Line 2003	2	8,817	
Line 2003 Section 2	6	2,664	
Line 235 West	4	3,406	
Line 235 West Sawtooth Canyon	-	1,884	
Line 30-18	11	23,134	
Line 31-09	9	3	
Line 32-21 Section 1	18	11,023	
Line 32-21 Section 2	514	2,138	
Line 32-21 Section 3	78	556	
Line 33-120 Section 1	61	2,982	
Line 33-120 Section 2	-	7,052	
Line 33-120 Section 3	15	1,776	
Line 33-121	23	1,230	
Line 35-20-N	-	231	
Line 36-9-09 JJ	170	786	
Line 36-9-09 North	(160)	1,147	
Line 36-9-09 North Section 1	586	38,524	
Line 36-9-09 North Section 2A	1	88	
Line 36-9-09 North Section 2B	5	2,955	
Line 36-9-09 North Section 3	553	23,527	
Line 36-9-09 North Section 4	132	8,127	
Line 36-9-09 North Section 5	6	8,811	
Line 36-9-09 North Section 5A	144	1,472	
Line 36-9-09 North Section 5C	40	178	
Line 36-9-09 North Section 6	(21)	3,779	
Line 36-9-09 North Section 7	603	24,584	
Line 36-9-09 South	87	1,844	
Line 36-1001	1	89	
Line 36-1002	(6)	2,529	
Line 36-1032 (Replace Section 1-3)	112	10,615	
Line 36-1032 Section 4	99	1,347	

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

## Appendix B Active Projects

<b>SCG</b> (continued)	( in \$1,000)	
<b>PSEP Pipeline Projects</b>	<b>August</b>	<b>Project-To-Date Total</b>
Line 36-9-21	26	706
Line 36-37	58	2,871
Line 37-07	(117)	26,398
Line 37-18	1,495	34,603
Line 37-18 F	87	3,542
Line 37-18 K	31	133
Line 38-101	79	375
Line 38-143	27	254
Line 38-200	129	7,160
Line 38-501 Section 1	36	5,079
Line 38-501 Section 2	769	2,311
Line 38-504	65	2,043
Line 38-512	1	27,250
Line 38-512 Section 3	7	206
Line 38-514	18	188
Line 38-514 Section 1	183	1,837
Line 38-514 Section 2	221	11,175
Line 38-539	-	15,475
Line 38-556	(3)	597
Line 38-931	45	1,355
Line 38-960	30	1,386
Line 38-1102	48	324
Line 38-KWB-P1B-01	(146)	1,656
Line 404	-	15
Line 404 Section 1	157	2,481
Line 404 Section 2	13	3,788
Line 404 Section 2A	46	139
Line 404 Section 3,7&8,8A	-	8,622
Line 404 Section 3A	268	1,246
Line 404 Section 4&5	10	6,094
Line 404 Section 4A	53	578
Line 404 Section 9	677	1,766
Line 406	3	9,686
Line 406 Section 3	64	2,534
Line 404/406 Somis Station	52	680
Line 407	7	6,367
Line 41-04ST1	-	-
Line 41-17	4	54
Line 41-17-F	-	-
Line 41-116	1	12
Line 41-116BP1	-	8
Line 41-201	-	3
Line 41-30	1	124
Line 41-30-A	2	431
Line 41-6000-2	97	75,152
Line 41-6001-2	-	246
Line 42-66-1	-	681
Line 42-66-2	-	-
Line 43-121	26	237
Line 43-121 North	367	4,992
Line 43-121 South	1,096	24,996
Line 44-1008	17	1,212
Line 44-137	1,594	23,453
Line 44-687	9	4,978
Line 44-654	-	1,825
Line 44-720	2	9,512
Line 45-1001	21	259
Line 45-120 Section 1	-	5,818
Line 45-120 Section 2	1,091	37,158



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

## Appendix B Active Projects

<b>SCG</b> (continued)	( in \$1,000)	
<b>PSEP Pipeline Projects</b>	<b>August</b>	<b>Project-To-Date Total</b>
Line 45-120X01	-	750
Line 7043	2	23
Valves	6,186	135,177
Storage Field- Playa Del Rey	-	2,581
Storage Field- Goleta	(3)	195
Methane Detectors	3	320
Communications *	(73)	1,009
Construction *	(298)	2,534
Engineering *	(395)	5,314
Training *	(127)	1,114
Gas Control *	(4)	59
Environmental *	(64)	414
Supply Management *	(1,057)	3,787
General Administration *	(170)	11,597
Program Management Office *	(321)	3,932
<b>Total SCG PSEP Pipeline and Valve Projects</b>	<b>16,427</b>	<b>866,897</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 August and project-to-date costs from May 2012 to August 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 August 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,126,228 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 August 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,860 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 August 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$116,551,767 which includes balancing account interest.
- (8) As of August 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$8,598,022 which includes balancing account interest.
- (9) As of August 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$51,170,362 which includes balancing account interest.
- (10) As of August 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$8,496,138 which includes balancing account interest.

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

## Appendix B Active Projects

<b>SDGE</b>		( in \$1,000)
<b>PSEP Pipeline Projects</b>	<b>August</b>	<b>Project-To-Date Total</b>
Line 1600 South	-	444
Line PSRP 1600/3602	400	14,736
Line 49-11	607	4,960
Line 49-13	1,757	20,665
Line 49-14	2	4,045
Line 49-15 Distribution	809	16,086
Line 49-15 Transmission	135	5,703
Line 49-16 Pipeline	670	9,064
Line 49-16 La Mesa Gate Station	9	272
Line 49-16 4th & Palm	10	402
Line 49-17 East	4,409	37,270
Line 49-17 West	78	17,882
Line 49-20	-	-
Line 49-22	2	4,049
Line 49-25	161	20,084
Line 49-26	722	26,724
Line 49-28	700	36,223
Line 49-32 (Replacement)	1	3,582
Line 49-32 L	201	2,596
Valves	725	5,095
Methane Detectors	-	104
Communications *	5	16
Construction *	(55)	214
Engineering *	(122)	281
Training *	-	69
Gas Control *	(1)	10
Environmental *	(4)	11
Supply Management *	(107)	335
General Administration *	3	928
Program Management Office *	(50)	262
<b>Total SDGE PSEP Pipeline and Valve Projects<sup>(11)</sup></b>	<b>11,069</b>	<b>232,116</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 August and project-to-date costs from May 2012 to August 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 August 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,126,228 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 August 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,860 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 August 2016, the SCG balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$116,551,767 which includes balancing account interest.
- (8) As of August 2016, the SDGE balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$8,598,022 which includes balancing account interest.
- (9) As of August 2016, the SCG balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$51,170,362 which includes balancing account interest.
- (10) As of August 2016, the SDGE balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$8,496,138 which includes balancing account interest.
- (11) The decrease of \$2,439K in the PSRP Line 1600/3602 project-to-date costs in the August 2016 report compared to the July 2016 report is due to July costs inadvertently including indirect costs.

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

## Appendix B

### Projects Remediated or Removed

<b>SCG</b>	( in \$1,000)	
<b>PSEP Pipeline Projects - Remediated or Removed</b>	<b>August</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 44-719	-	1
Line 1003	-	-
Line 1003LT2	-	-
Line 1017BP1	-	-
Line 1017BP2	-	-
Line 1017BP3	-	-
Line 1017BR4	-	-
Line 1017BR5	-	-
Line 1017BR6	-	-
Line 1017BR7	-	-
Line 1018	-	-
Line 1020	-	85
Line 1024	-	2
Line 1025	-	-
Line 1171LT2	-	-
Line 1171LT1BP2	-	-
Line 1172 BP2ST1	-	-
Line 1172 BP2ST2	-	2
Line 1172 BP2ST3	-	-
Line 1172 BP2ST4	-	-
Line 1172 BP3	-	-
Line 1172 ID 2313	-	13
Line 169	-	-
Line 235 East	-	8
Line 247	-	18
Line 2001 East	-	92
Line 3000-261.73-BO	-	-
Line 3000-261.73-BR	-	-
Line 30-02	-	-
Line 30-02-U	-	-
Line 30-09-A	-	-
Line 30-6200	-	-
Line 30-32	-	-
Line 30-6209	-	-
Line 30-6292	-	-
Line 30-6543	-	-
Line 30-6799	-	-

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

## Appendix B

### Projects Remediated or Removed

<b>SCG (continued)</b>	( in \$1,000)	
<b>PSEP Pipeline Projects - Remediated or Removed</b>	<b>August</b>	<b>Project-To-Date Total</b>
Line 30-6799BR1	-	-
Line 317	-	-
Line 32-90	-	-
Line 35-10	-	-
Line 35-20	-	-
Line 35-20-A	-	17
Line 35-20-A1	-	-
Line 35-22	-	-
Line 35-39	-	-
Line 35-40	-	-
Line 35-6405	-	-
Line 35-6416	-	-
Line 35-6520	-	38
Line 36-1006	-	-
Line 36-6588	-	-
Line 36-7-04	-	-
Line 36-9-21BR1	-	-
Line 37-49	-	-
Line 37-6180	-	-
Line 38-351	-	-
Line 408XO1	-	-
Line 41-04-I	-	8
Line 41-05	-	4
Line 41-05-A	-	-
Line 41-101	-	-
Line 41-128	-	-
Line 41-141	-	-
Line 41-17-A2	-	4
Line 41-17-FST1	-	-
Line 41-198	-	-
Line 41-199	-	-
Line 41-25-A	-	-
Line 41-55	-	-
Line 41-83	-	-
Line 41-84	-	-
Line 41-84-A	-	-
Line 41-90	-	-
Line 41-6045	-	48
Line 41-6501	-	34
Line 42-12	-	-
Line 42-46	-	-
Line 42-46-F	-	-
Line 42-57	-	-
Line 43-1106	-	-
Line 43-34	-	-
Line 45-163	-	1
Line 53	-	-
Line 6100	-	-
Line 765-8.24-BO	-	-
Line 765BR4	-	-
Line 775	-	-
Line 775BO1	-	-
Line 8107	-	-
Line 4000	-	-
<b>Total SCG PSEP Pipeline Projects - Remediated Outside of PSEP or Removed</b>	-	<b>669</b>

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

## Appendix B

### Projects Remediated or Removed

<b>SDG&amp;E</b>		( in \$1,000)
<b>PSEP Pipeline Projects - Remediated or Removed</b>	<b>August</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 Outside of PSEP or Removed</b>	-	-

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

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

<b>SCG</b>	( in \$1,000)	
	<b>August</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>August</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 August and project-to-date costs from May 2012 to August 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 August 2016, the SCG balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$47,126,228 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 August 2016, the SDGE balance in the Pipeline Safety and Reliability Memorandum Account reflects a balance of \$83,860 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 August 2016				
Valve Projects	Aug-16 No. of Valves <sup>(1)</sup>	August-16 Project Lifecycle Stage <sup>(2)</sup>	Construction Start Date (Est.) Reported in August-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	6,813
Puente Station	2	Closed	Jan-14	16
Brea Station-1013	1	Stage 7 Close-out / Reconciliation	Oct-14	240
Newhall Station	7	Stage 5-6 Construction / Turnover	Jan-15	11,729
407 Sullivan Canyon-P1B <sup>(7), (12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-18	1,121
Victoria Station	4	Closed	Dec-14	1,532
Alhambra Station	3	Stage 7 Close-out / Reconciliation	Apr-15	2,973
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	755
SGV	3	Stage 5-6 Construction / Turnover	Feb-15	5,036
Lampson	4	Stage 5-6 Construction / Turnover	Apr-15	7,694
Blythe <sup>(3)</sup>				
Blythe (Cactus City)-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	841
Blythe Station 2	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	409
Banning Airport	2	Stage 5-6 Construction / Turnover	Apr-15	2,147
Orange	3	Stage 5-6 Construction / Turnover	Apr-15	4,529
Palowalla-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-17	2,192
L 1020	1	Stage 5-6 Construction / Turnover	Mar-15	1,145
New Desert	7	Stage 5-6 Construction / Turnover	Oct-14	8,953
El Segundo	6	Stage 5-6 Construction / Turnover	Apr-15	6,802
404-406 Valley	7	Stage 5-6 Construction / Turnover	Sep-15	2,425
Indio <sup>(4)</sup>				
Indio 2014	4	Stage 5-6 Construction / Turnover	May-15	2,187
Indio 2016-P1B <sup>(12)</sup>	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-18	748
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	101
Santa Barbara - 1005 <sup>(10)</sup>	1	Stage 7 Close-out / Reconciliation	Mar-15	395
L4000 MP 45.36 <sup>(9)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	256
L4000 MP 53.00 <sup>(8)</sup>	3	Stage 7 Close-out / Reconciliation	May-15	1,828
L4000 MP 69.00 MLV-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jan-19	614
L4000 MP 80.08 MLV	3	Stage 7 Close-out / Reconciliation	May-15	1,228
L4002 MP 67.00 MLV <sup>(6)</sup>	N/A	N/A	N/A	437
L1014 Brea	6	Stage 5-6 Construction / Turnover	Nov-15	5,963
L1014 Olympic	6	Stage 5-6 Construction / Turnover	Feb-16	4,928
L2003 East	7	Stage 5-6 Construction / Turnover	Sep-15	2,557
Banning 2001	6	Stage 5-6 Construction / Turnover	Apr-16	1,634
Questar Taps	6	Stage 5-6 Construction / Turnover	Sep-15	3,031
Quigley Station <sup>(6)</sup>	N/A	N/A	N/A	29
Riverside 2001	5	Stage 5-6 Construction / Turnover	Oct-15	1,581
Aviation	10	Stage 5-6 Construction / Turnover	May-16	6,557
404 Ventura	4	Stage 5-6 Construction / Turnover	Feb-16	3,411
406 Ventura	5	Stage 5-6 Construction / Turnover	Nov-15	3,118
Honor Ranch - L225	5	Stage 5-6 Construction / Turnover	May-16	1,094
Los Alamitos <sup>(6)</sup>	N/A	N/A	N/A	239
Haynes Station	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	468
Fontana MLVs 4000-4002	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	755
Fontana Bundle - L4002	1	Stage 7 Close-out / Reconciliation	Jul-15	1,026
SL45-120 Section 2-P1B <sup>(5), (12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jun-17	176
235-335 East	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	582
L1017-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	279
L1018-P1B <sup>(12)</sup>	10	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	580
L2000 Beaumont Riverside <sup>(11)</sup>				
L2000 Beaumont 2015	4	Stage 5-6 Construction / Turnover	Aug-15	2,580
L2000 Beaumont 2016	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-16	-
L7000-P1B <sup>(12)</sup>	9	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	908
Taft-P1B <sup>(12)</sup>	6	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	May-18	763

Rainbow Bundle <sup>(17)</sup>				
Rainbow <sup>(17)</sup>	10	Stage 5-6 Construction / Turnover	May-16	3,207
Rainbow 2017 <sup>(17)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	2
L2003 West	6	Stage 5-6 Construction / Turnover	Oct-15	2,356
Cabazon-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Nov-18	9
Banning 5000	2	Stage 5-6 Construction / Turnover	Oct-15	1,539
L85 Templin Highway MP 137.99-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	83
43-121-P1B <sup>(12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Mar-17	222
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	122
Burbank & Lindley-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Jul-17	26
Blythe COMMS-P1B <sup>(12)</sup>	0	Stage 1 Project Initiation	Jun-18	3
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	153
Haskell Station FM-P1B <sup>(12), (13)</sup>	1	N/A	Feb-18	4
L2002-P1B <sup>(12)</sup>	0	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Dec-16	5
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	47
Needles COMMS-P1B <sup>(12)</sup>	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Feb-17	3
Pico-P1B <sup>(12), (13)</sup>	8	N/A	May-18	86
Wilmington-P1B <sup>(12), (13)</sup>	5	N/A	Dec-18	195
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	5
L4002 MP 86.44-FM-P1B <sup>(12), (13)</sup>	1	N/A	Jul-18	12
Yorba Station-P1B <sup>(12), (13)</sup>	1	N/A	Jan-19	2
Lampson Check Valves-P1B <sup>(13)</sup>	1	N/A	Aug-18	2
L324 Bundle-P1B <sup>(13)</sup>	7	N/A	Mar-19	4
235-335 West Bundle-P1B <sup>(13)</sup>	7	N/A	Mar-19	22
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>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	100
Victorville COMMS-P1B <sup>(12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-17	80
Ventura Station Bundle-P1B <sup>(12), (13), (16)</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	13
404-406 Ventura 2016 Bundle	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	294
L225 Bundle-P1B <sup>(12)</sup>	5	Stage 5-6 Construction / Turnover	Aug-16	-
SB County Bundle-P1B <sup>(12)</sup>	3	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	298
Spence Station-P1B <sup>(12)</sup>	4	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-17	14
Carpinteria Bundle-P1B <sup>(12), (16)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Aug-17	27
Santa Barbara Bundle-P1B <sup>(12)</sup>	2	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	21
Goleta Bundle-P1B <sup>(12)</sup>	7	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Apr-17	60
<b>Total SoCalGas Valves</b>				<b>135,177</b>
<b>Valve Projects</b>	<b>Valves<sup>(1)</sup></b>	<b>August-16 Project Lifecycle Stage<sup>(2)</sup></b>	<b>Date (Est.) Reported</b>	<b>Total</b>
		<b>Valves-SDG&amp;E</b>		
3010 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	120
1600 Bundle	0	Stage 5-6 Construction / Turnover	Dec-14	229
3600 Bundle	12	Stage 5-6 Construction / Turnover	Mar-15	3,850
49-11	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Sep-16	303
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)				8
49-16 RCV (La Mesa Gate)				11
49-16 RCV (Mass&Main)				148
49-32-L RCV	1	Stage 5-6 Construction / Turnover	Aug-16	423
49-28	1	Stage 2-4 Engineering & Planning / Contract Bidding & Procurement	Oct-16	-
3011 and 2010	1	N/A	Aug-16	2
<b>Total SDG&amp;E Valves</b>				<b>5,095</b>

Overall Table Notes:

- (1) Number subject to change based on design and constructability. Backflow Prevention (BFP2) and Flow Meters (FM) are for check valves and reg. station modifications. Counts do not include BFP1 (regulator)
- (2) Stage Categories: categories represent the stage of a valve project's lifecycle. Stage 1 Project Initiation, Stage 2-4 Engineering & Planning/ Contract Bidding & Procurement, Stage 5-6 Construction/ Turnover,
- (3) The original Blythe Bundle included 4 valves. Due to permit constraints, this original bundle has been regrouped into Blythe (Cactus City) and Blythe Station 2. Each new bundle will have separate schedules.
- (4) The original Indio Bundle included 12 valves. Due to permit constraints, this original bundle has been regrouped into Indio 2014 and Indio 2016. Each new bundle will have separate schedules.
- (5) Valve Bundle "33-120 Fault Isolation" has been renamed to "SL45-120 Section 2".
- (6) Valve Project is in the process of being descoped from PSEP. Final costs are being adjusted accordingly.
- (7) Valve Bundle "407 San Vicente" has been renamed to "407 Sullivan Canyon".
- (8) Valve "4000 MP 57.00" has been renamed to "L4000 MP 53.00".
- (9) Valve "4000 MP 41.72" has been renamed to "L4000 MP 45.36".
- (10) Valve "1005-18.04-0" has been renamed to "Santa Barbara Bundle - 1005".
- (11) Valve Bundle "L2000 Beaumont Riverside" has been regrouped into two projects: "L2000 Beaumont Riverside 2015" and "L2000 Beaumont Riverside 2016".
- (12) Projects have been moved to Phase 1B and have been renamed to include "P1B".
- (13) New valve bundle is currently being initiated, with information about project scope, stage, and/or construction start date available at a later time.
- (14) Valve Bundles "49-16 RCV (4th & Palm)", "49-16 RCV (La Mesa Gate)", and "49-16 RCV (Mass&Main)" have been regrouped as one valve bundle "49-16 RCV".
- (15) Valve bundle "Willow Station" has been renamed to "Sepulveda Station" bundle.
- (16) Valve bundle "Carpenteria Bundle-P1B" has been renamed to "Carpenteria Bundle-P1B" bundle. Valve bundle "Ventura Bundle-P1B" has been renamed "Ventura Station Bundle-P1B".
- (17) Valve Project "Rainbow" has been separated into "Rainbow Bundle" & "Rainbow Bundle 2017". "Rainbow Bundle" and "Rainbow Bundle 2017" now have separate, cost and schedule for each of these projects.