

December 2018 PSEP Update

I. Introduction

Decision (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 December 2018.

II. Current Project Status

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

Pipelines (Appendix A):

- No pipeline projects commenced new construction activity (Stage 4)
- 5 pipeline projects are in construction (Stage 4)
- 19 pipeline projects are in close-out (Stage 5)

Valves (Appendix B):

- New construction activity began on two valve projects (Stage 4)
 - V-L1018-P1B-El Toro
 - V-L4000-P1B-Camp Rock Rd
- 23 valve projects are in construction (Stage 4)
- 39 valve projects are in close-out (Stage 5)

III. Costs

Actual project costs are tracked in SoCalGas' and SDG&E's respective Regulatory Accounts, are provided in Appendices A, B, and C, and are summarized in Appendix D.

IV. Attachments

- Appendix A – *SoCalGas/SDG&E PSEP - Pipeline Projects List with Costs*
- Appendix B – *SoCalGas/SDG&E PSEP - Valve Projects List with Costs*
- Appendix C – *SoCalGas/SDG&E PSEP - Records Review and Interim Safety Measure Costs*
- Appendix D – *SoCalGas/SDG&E PSEP - Total Project Costs Summary*

¹ D.12-04-021 at 7 and 12 (Ordering Paragraph No. 4).

V. Notes

- **Appendix A, SoCalGas Active Pipeline Projects Table 1, Footnote 15:**
The Line 38-514-P1B-01 project has been renamed, "38-514-P1B-03."
- **Appendix A, SoCalGas Active Pipeline Projects Table 1, Footnote 16:**
The scope and costs for the Line 45-1001-P1B-01 and 36-1001-P1B-01 projects have been merged to be reported and executed as one project.
- **Appendix A, SoCalGas Active Pipeline Projects Table 1, Footnote 17:**
The following projects have been split into individual projects and are currently in the scoping phase. Individual project information will be updated in the future.
 - 2000-C
 - 2000-D
 - 2001 West-C
 - 2001 West-D
- **Appendix A, SoCalGas Active Pipeline Projects Table 1, Footnote 18:**
The Line 235E-P2-01 project has been split into the following individual projects:
 - L235E-P2-KELSO REPL
 - L235E-P2-NORTH NEEDLES REPL
 - L235E-P2-NEWBERRY SPRINGS REPL
- **Appendix A, SoCalGas Active Pipeline Projects Table 1, Footnote 19:**
The increase of approximately \$950K in project-to-date costs from November 2018 to December 2018 is due to the inclusion of costs for the following Phase 2 projects in November 2018 that were previously excluded:
 - 2000-C-P2
 - 2000-C-CHLA-P2
 - 2000-D-BADL-P2
 - 2000-Moreno Replacement
 - 2001 WC-P2
 - 2001 WC-CHLA-PA2
- **Appendix A, SDG&E Active Pipeline Projects Table 2, Footnote 5:**
On January 15, 2019, the SED transmitted a Response Letter to SDG&E and SoCalGas approving the proposed plan for the Line 1600 project as submitted.
- **Appendix A, SDG&E Active Pipeline Projects Table 2, Footnote 20:**
The decrease of approximately \$11K in project-to-date costs from November 2018 to December 2018 is due to a system migration mapping discrepancy for the Line 1600 project.
- **Appendix A, SoCalGas Pipeline Projects Remediated or Removed Table 3, Footnote 2:**
The Line 33-6263 project and corresponding costs have been added to Appendix A, Table 3.
- **Appendix B, SoCalGas Active Valve Projects Table 1, Footnote 7:**
The increase of approximately \$51K in project-to-date costs from November 2018 to December 2018 is due to:
 - Inclusion of the V-Burbank-GRC-Lindley-P1B project costs in November 2018 that were previously excluded.
 - Moving the V-L8109-GRC-Apache Cyn project from Appendix B, Table 1 to Table 3.

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix A - SoCalGas/SDG&E PSEP Pipeline Project List with Costs as of December 2018

Table 1 - SoCalGas Active Pipeline Projects

Pipeline Project	PSEP Current Mileage ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Predominant Vintage	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽¹⁴⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁴⁾ (in \$1,000)
PSRMA Application (A.14-12-016)						
2000-A	15.29	Closed	1947	Jul-2013 A	-	22,427
42-66-1&2	0.06	Closed	1947	Oct-2013 A	-	681
Playa Del Rey Phase 1&2	0.13	Closed	1955	Mar-2013 A	-	648
2016 Reasonableness Review Application (A.16-09-005)						
1005	0.03	Closed	1951	Sep-2014 A	-	5,820
1011	0.08	Closed	1947	Jul-2014 A	-	2,418
1013	0.03	Closed	1956	Jul-2014 A	-	2,423
1014	0.00	Closed	1959	Oct-2014 A	-	825
1015	0.41	Closed	1954	Aug-2014 A	-	5,541
235 West	0.03	Closed	1957	Jun-2014 A	-	3,406
235W Sawtooth Canyon	0.32	Closed	1957	Oct-2014 A	-	1,884
2000-West Section 1,2,3	14.57	Closed	1945	Jul-2014 A	-	23,280
2001 West - A	0.01	Closed	1950	Apr-2014 A	-	745
2001 West-B Section 10,11,14	2.94	Closed	1950	Aug-2014 A	-	11,884
2003	0.25	Closed	1953	Aug-2014 A	-	8,805
33-120 Section 2	0.28	Closed	1940	Jun-2014 A	-	7,052
35-20-N	0.01	Closed	1963	Aug-2014 A	-	231
36-1032	0.65	Closed	1928	May-2014 A	-	9,895
36-37	0.01	Closed	1970	Apr-2014 A	-	1,042
36-9-09 North Section 2B	2.15	Closed	1953	Jun-2014 A	-	2,416
36-9-09 North Section 6A	0.92	Closed	1954	Mar-2015 A	-	2,699
38-539	2.61	Closed	1949	Oct-2014 A	-	15,469
41-30-A	0.02	Closed	1951	Jul-2014 A	-	432
44-654	0.05	Closed	1957	Jun-2014 A	-	1,825
45-120 Section 1	0.55	Closed	1930	Mar-2014 A	-	5,828
45-120X01	0.01	Closed	1930	Sep-2013 A	-	750
406 Section 1,2,2A,4,5	1.17	Closed	1951	Aug-2014 A	-	9,685
407	3.00	Closed	1951	Mar-2014 A	-	6,391
Playa Del Rey Phase 5	0.27	Closed	1955	Mar-2015 A	-	5,007
2017 Forecast Application (A.17-03-021)						
127-P1B-01	0.00	2-Preliminary Design	1944	Mar-2020	-	234
2000-C, D & E ⁽⁴⁾					(42)	1,613
2000-C ⁽¹⁷⁾	23.00					
2000-C-P2 ⁽¹³⁾	TBD	2-Preliminary Design	1947	Jul-2019	3	690
2000-C-CHLA-P2 ⁽¹³⁾	TBD	2-Preliminary Design	1947	Jan-2020	20	66
2000-D ⁽¹⁷⁾	14.00					
2000-D-BADL-P2 ⁽¹³⁾	TBD	2-Preliminary Design	1947	TBD	29	95
2000-Moreno Replacement ⁽¹³⁾	TBD	2-Preliminary Design	1947	Nov-2019	3	5
36-1002-P1B-01 ⁽¹¹⁾	16.68	2-Preliminary Design	1928	Jun-2020	-	1,503
36-37-P1B-11A	1.75	3-Detailed Design & Procurement	1927	Jun-2019	65	956
36-37-P1B-11B	4.40	4-Construction	1927	Jul-2018 A	2,608	19,378
36-37-P1B-11C	1.47	3-Detailed Design & Procurement	1927	Oct-2019	31	650
36-37-P1B-12 ⁽¹²⁾	31.00	3-Detailed Design & Procurement	1927	Feb-2019	55	2,288
38-514-P1B-03 ⁽¹⁵⁾	1.40	3-Detailed Design & Procurement	1945	Jun-2019	66	550
38-556	5.60	3-Detailed Design & Procurement	1956	Apr-2019	68	951
38-960-P1B-01	6.12	5-Close-Out	1928	Jul-2018 A	185	11,611
43-121-P1B-01	0.30	3-Detailed Design & Procurement	1930	Jun-2019	47	590
45-1001-P1B-01 & 36-1001-P1B-01 ⁽¹⁶⁾	1.23	3-Detailed Design & Procurement	1925	Sep-2019	49	717
7043-P1B-01	0.00	2-Preliminary Design	1928	Mar-2020	-	124
2018 Reasonableness Review Application (A.18-11-010)						
1004	9.03	Closed	1945	May-2015 A	3	13,050
2000-C	7.59	Closed	1947	Jan-2017 A	-	12,890
2000-West Santa Fe Springs Sta.	0.20	Closed	1947	Oct-2016 A	1	8,392
2001 West-B Section 17,18,19	1.80	Closed	1952	Aug-2015 A	-	4,742
2003 Section 2	0.09	Closed	1957	Jul-2015 A	-	2,749
30-18 Section 1	2.00	Closed	1943	Jul-2014 A	3	592
30-18 Section 3	0.01	Closed	1943	Oct-2016 A	-	1,806
31-09	0.21	Closed	1969	Jul-2015 A	-	3,647
32-21 Section 1	1.56	Closed	1948	May-2015 A	-	9,438
32-21 Section 2	1.60	Closed	1948	Jun-2016 A	-	5,140
32-21 Section 3	2.39	Closed	1948	Sep-2016 A	-	3,565
33-120 Section 3	0.52	Closed	1940	Jun-2017 A	-	6,571
36-1002	0.03	Closed	1928	Jun-2015 A	-	1,847
36-9-09 North Section 1	5.98	Closed	1920	May-2015 A	-	46,900
36-9-09 North Section 3	2.96	Closed	1927	Dec-2014 A	-	25,480
36-9-09 North Section 4 ⁽⁶⁾					-	3,036
36-9-09 North Section 4A	0.58	Closed	1940	May-2017 A	-	4,248
36-9-09 North Section 4B	0.46	Closed	1940	Sep-2014 A	-	5,657
36-9-09 North Section 5A	1.49	Closed	1960	Feb-2016 A	-	12,647
36-9-09 North Section 7A	1.07	Closed	1932	Sep-2016 A	2	10,772
36-9-09 North Section 7B	3.19	Closed	1932	May-2015 A	-	24,261
36-9-09 South ⁽¹⁰⁾	1.24	Closed	1951	Apr-2016 A	-	2,146

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Appendix A - SoCalGas/SDG&E PSEP Pipeline Project List with Costs as of December 2018

Table 1 - SoCalGas Active Pipeline Projects (continued)

Pipeline Project	PSEP Current Mileage ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Predominant Vintage	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽¹⁴⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁴⁾ (in \$1,000)
36-9-09-JJ ⁽¹⁰⁾	0.46	Closed	1920	Jun-2016 A	-	1,724
37-07	3.22	Closed	1945	Sep-2014 A	-	27,425
37-18	4.06	Closed	1945	Oct-2014 A	(86)	42,036
37-18-F	2.08	Closed	1946	Aug-2016 A	3	6,899
37-18 Section 5	0.23	Closed	1945	Apr-2017 A	-	7,578
38-KWB-P1B-01 ⁽¹⁰⁾	15.23	Closed	1939	Oct-2015 A	-	1,741
38-200	0.37	Closed	1945	Apr-2016 A	2	7,518
38-501 Section 1	0.32	Closed	1952	Jun-2015 A	-	4,728
38-501 Section 2	2.12	Closed	1952	Aug-2016 A	-	15,482
38-504	0.38	Closed	1952	Sep-2016 A	(3)	5,178
38-512	4.92	Closed	1929	Mar-2015 A	-	28,972
38-512 Section 3	0.04	Closed	1929	Sep-2017 A	-	76
38-514 Section 1	0.09	Closed	1945	May-2016 A	-	1,936
38-514 Section 2	2.84	Closed	1945	Feb-2016 A	-	11,680
38-931	2.41	Closed	1942	Jan-2017 A	-	6,639
41-17 ⁽¹²⁾	2.62	Closed	1955	Sep-2016 A	-	2,554
41-116	0.01	Closed	1957	Oct-2016 A	-	200
43-121 North	1.01	Closed	1930	Aug-2016 A	1	14,223
43-121 South	1.48	Closed	1930	Aug-2014 A	-	30,281
44-137	1.04	Closed	1950	Nov-2014 A	7	24,641
44-687	0.30	Closed	1946	Sep-2014 A	-	5,176
44-720	1.49	Closed	1947	Jun-2015 A	-	9,951
404 Section 1	0.03	Closed	1944	Sep-2015 A	-	2,622
404 Section 2	2.98	Closed	1944	Sep-2015 A	-	3,785
404 Section 2A	0.82	Closed	1944	Mar-2017 A	-	2,292
404 Section 3A	0.56	Closed	1944	Aug-2016 A	-	5,047
404 Section 3 & 8A	0.55	Closed	1944	Feb-2014 A	-	2,470
404 Section 4&5	7.32	Closed	1944	Sep-2015 A	-	6,191
404 Section 9	0.41	Closed	1944	Jun-2016 A	-	1,870
406 Section 3	0.43	Closed	1949	Jun-2016 A	-	2,374
6914 Installation	11.74	Closed	N/A	Sep-2015 A	-	76,599
85 South Newhall	0.17	Closed	1930	Dec-2014 A	-	8,919
2019 GRC Application (A.17-10-008)						
1011-P2-01	1.77	2-Preliminary Design	1947	May-2020	-	144
1030-P2-01 ⁽⁷⁾	25.79	2-Preliminary Design	1955	Apr-2022	-	196
225 North ⁽⁷⁾⁽⁸⁾	8.12	2-Preliminary Design	1959	Jan-2022	-	-
235W-P2-01 ⁽⁶⁾					-	777
235 West Sec 1	24.64	2-Preliminary Design	1957	Jan-2021		
235 West Sec 2	20.35	2-Preliminary Design	1957	Mar-2020		
235 West Sec 3	26.88	2-Preliminary Design	1957	Nov-2019		
2000-E ⁽⁴⁾	8.88	2-Preliminary Design	1947	Sep-2020	-	-
2000-P2-02 ⁽⁶⁾					-	391
2000 Chino Hills	10.00	2-Preliminary Design	1947	Oct-2019	92	231
2000 Blythe to Cactus City Hydrotest	64.65	2-Preliminary Design	1947	Aug-2020		
2000-E Cactus City Compressor Sta	0.17	2-Preliminary Design	1947	Aug-2020		
2001E-P2-01 ⁽⁷⁾	0.07	2-Preliminary Design	1953	Mar-2022	-	88
2001E-P2-02 ⁽⁷⁾	27.43	2-Preliminary Design	1954	Mar-2022	-	193
2001W-P2-01 ⁽⁷⁾	5.66	2-Preliminary Design	1953	Jan-2022	-	113
2001 West - C, D & E ⁽⁶⁾					(616)	1,447
2001 West - C ⁽¹⁷⁾	13.85		1953			
2001WC-P2 ⁽¹³⁾	TBD	2-Preliminary Design	TBD	TBD	626	627
2001WC-CHLA-P2 ⁽¹³⁾	TBD	2-Preliminary Design	TBD	TBD	-	6
2001 West - D ⁽¹⁷⁾	17.84		1950		-	-
2001W-D-P2 ⁽¹³⁾	TBD	2-Preliminary Design	TBD	TBD	-	-
2001W-D-BADL-P2 ⁽¹³⁾	TBD	2-Preliminary Design	TBD	TBD	-	-
2001 West - E	8.88	2-Preliminary Design	1953	Oct-2021	-	-
2005-P2-01 ⁽⁷⁾	0.28	2-Preliminary Design	1950	Nov-2019	-	101
36-1032-P1B-01 ⁽⁶⁾					-	292
36-1032-P1B-11	0.49	2-Preliminary Design	1939	Jun-2020	1	508
36-1032-P1B-12	5.16	2-Preliminary Design	1943	Jul-2020	1	575
36-1032-P1B-13	3.21	2-Preliminary Design	1928	Aug-2020	4	626
36-1032-P1B-14	1.73	2-Preliminary Design	1928	May-2020	6	571
36-9-09N-P1B-01 ⁽⁶⁾					-	43
36-9-09N-P1B-12	0.88	3-Detailed Design & Procurement	1920	Jul-2019	87	1,005
36-9-09N-P1B-14	1.92	3-Detailed Design & Procurement	1920	Sep-2019	24	893
36-9-09N-P1B-15	1.53	2-Preliminary Design	1920	Mar-2020	14	805
36-9-09N-P1B-16	2.02	3-Detailed Design & Procurement	1920	Aug-2019	103	1,860
44-1008-P1B-01 ⁽⁶⁾					1	328
44-1008 (50%)	27.43	1-Initiation & Feasibility	1937	Jan-2020		
44-1008 (50%) ⁽⁷⁾	27.43	1-Initiation & Feasibility	1937	Jan-2021		
407-P2-01	3.97	2-Preliminary Design	1951	Jul-2020	18	260
5000-P2-01 ⁽⁷⁾	0.02	2-Preliminary Design	1953	Sep-2022	-	84
85 Elk Hills to Lake Station ⁽⁹⁾	13.03	2-Preliminary Design	1931	Oct-2020	71	4,569
Future Filing						
103-P1B-01 ⁽¹³⁾	9.28	3-Detailed Design & Procurement	1941	Jun-2019	10	203
128-P1B-01	0.44	2-Preliminary Design	1945	Sep-2019	-	55
133-P2-01 ⁽¹³⁾	3.22	1-Initiation & Feasibility	1946	TBD	-	161
173-P2-01 ⁽¹³⁾	0.00	1-Initiation & Feasibility	1952	TBD	-	5

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Table 1 - SoCalGas Active Pipeline Projects (continued)

Pipeline Project	PSEP Current Mileage ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Predominant Vintage	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽¹⁴⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁴⁾ (in \$1,000)
1004-P1B-01 ⁽¹³⁾	2.43	2-Preliminary Design	1944	TBD	-	580
1004-P2-01 ⁽¹³⁾	1.28	1-Initiation & Feasibility	1944	TBD	-	144
1005-P2 ⁽¹³⁾	12.53	1-Initiation & Feasibility	1951	TBD	-	291
225	3.10	3-Detailed Design & Procurement	1959	Aug-2019	-	1,374
225-P2-01 ⁽⁸⁾⁽¹³⁾	10.70	1-Initiation & Feasibility	1959	TBD	-	514
225-P2-02 ⁽¹³⁾	0.04	1-Initiation & Feasibility	1965	TBD	-	199
225-P2-03 ⁽¹³⁾	0.06	1-Initiation & Feasibility	1959	TBD	-	168
235E-P2-01	114.01	1-Initiation & Feasibility	1960	Jun-20	174	278
L235E-P2-KELSO REPL ⁽¹³⁾	TBD	TBD	TBD	TBD	2	2
L235E-P2-NORTH NEEDLES REPL ⁽¹³⁾	TBD	TBD	TBD	TBD	0	0
L235E-P2-NEWBERRY SPRINGS REPL ⁽¹³⁾	TBD	TBD	TBD	TBD	6	6
257-P2-01 ⁽¹³⁾	0.02	TBD	1961	TBD	-	134
2000-D	3.18	5-Close-Out	1947	Sep-2017 A	3	9,136
2000-D Section 7&9 ⁽¹³⁾	3.28	TBD	1947	TBD	-	-
2000-P2-01	0.57	1-Initiation & Feasibility	TBD	Sep-2020	-	27
2001 West Santa Ana River Crossing	0.15	2-Preliminary Design	1950	Jul-2020	70	839
2001 West - C	11.41	3-Detailed Design & Procurement	1953	Feb-2019	64	1,910
2001 West - D	1.60	3-Detailed Design & Procurement	1950	Feb-2019	17	1,548
2001W-P2-02 ⁽¹³⁾	TBD	TBD	TBD	TBD	-	60
2006	0.06	2-Preliminary Design	1953	Sep-2019	46	192
30-18 Section 2	0.65	5-Close-Out	1943	Jan-2018 A	47	30,692
31-09-C ⁽¹³⁾	TBD	1-Initiation & Feasibility	TBD	TBD	3	7
33-120 Section 1	0.23	5-Close-Out	1930	Sep-2017 A	48	10,578
33-121	0.46	Closed	1955	Jan-2018 A	13	4,122
33-750	0.57	1-Initiation & Feasibility	1946	Jul-2020	4	27
36-1032 Section 4	0.32	5-Close-Out	1953	Jul-2017 A	14	5,415
36-9-09 North Section 5C	0.62	Closed	1932	Dec-2016 A	0	6,657
36-9-09 North Section 5B-01	0.10	3-Detailed Design & Procurement	1932	Jun-2022	0	1
36-9-09 North Section 5B-02	0.20	4-Construction	1932	Nov-2018 A	1,043	2,976
36-9-09 North Section 6B	1.55	5-Close-Out	1955	Oct-2017 A	42	13,824
36-9-21	0.46	Closed	1950	Aug-2017 A	1	5,940
37-18-K	1.91	5-Close-Out	1949	Mar-2018 A	(1,097)	14,320
38-1102-P1B-01 ⁽¹³⁾	0.01	2-Preliminary Design	1963	TBD	5	497
38-100-P2-01 ⁽¹³⁾	0.00	1-Initiation & Feasibility	1960	TBD	-	211
38-101-P1B-01 ⁽¹³⁾	8.55	2-Preliminary Design	1921	May-2019	83	2,017
38-143-P1B-01 ⁽¹³⁾	4.42	2-Preliminary Design	1935	TBD	-	626
38-362-P2-01 ⁽¹³⁾	7.31	1-Initiation & Feasibility	1956	TBD	-	222
38-539-P2-01 ⁽¹³⁾	12.57	1-Initiation & Feasibility	1947	TBD	-	265
38-952-P2-01 ⁽¹³⁾	9.22	1-Initiation & Feasibility	1950	TBD	-	229
41-6000-2 Abandonment ⁽¹²⁾	27.44	4-Construction	1948	Aug-2018 A	1,229	5,683
41-6000-2 Tie Over	0.15	5-Close-Out	1949	Oct-2017 A	970	16,557
41-6001-2	0.00	Closed	1967	Oct-2017 A	2	547
43-121N-P1A-02	0.13	Closed	1930	Apr-2017 A	2	4,456
43-121N-P1A-03	0.15	Closed	1930	Apr-2017 A	8	4,278
43-121N-P1A-04	0.78	Closed	1930	Aug-2017 A	8	11,335
44-707-P2-01 ⁽¹³⁾	0.00	1-Initiation & Feasibility	1969	TBD	-	150
44-729-P2-01 ⁽¹³⁾	0.01	1-Initiation & Feasibility	1958	TBD	-	306
45-120 Section 2	3.53	5-Close-Out	1930	Sep-2014 A	267	76,573
404 Section 4A	0.79	4-Construction	1944	Aug-2018 A	1,178	6,482
404-P2-01 ⁽¹³⁾	6.07	1-Initiation & Feasibility	1944	TBD	-	174
404-406 Somis Station	0.14	5-Close-Out	1951	Aug-2018 A	1,171	6,200
406-P2-01 ⁽¹³⁾	13.72	1-Initiation & Feasibility	1951	TBD	-	622
6921 Dowden & Kershaw	0.01	5-Close-Out	N/A	Apr-2018 A	85	902
85 ⁽⁹⁾⁽¹³⁾	61.07	2-Preliminary Design	1931	TBD	-	-
Goleta	0.29	3-Detailed Design & Procurement	1944	Apr-2019	1	1,639
Total SoCalGas Active Pipeline Projects⁽¹⁹⁾					9,068	1,048,998

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Appendix A - SoCalGas/SDG&E PSEP Pipeline Project List with Costs as of December 2018

Table 2 - SDG&E Active Pipeline Projects

Pipeline Project	PSEP Current Mileage ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Predominant Vintage	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽¹⁴⁾ (in \$,000)	Project-to-Date Actuals ⁽¹⁴⁾ (in \$,000)
2016 Reasonableness Review Application (A.16-09-005)						
49-14	0.03	Closed	1959	Sep-2014 A	-	4,061
49-22 ⁽¹⁰⁾	4.05	Closed	1951	Apr-2014 A	-	4,057
49-32	0.09	Closed	1950	Jun-2014 A	2	4,222
2018 Reasonableness Review Application (A.18-11-010)						
49-11	0.96	Closed	1969	Jun-2015 A	-	6,667
49-13	3.17	Closed	1959	Jul-2015 A	2	20,907
49-15	1.78	5-Close-Out	1950	Nov-2015 A	410	32,203
49-15 Transmission	1.01	Closed	1950	Nov-2015 A	-	7,854
49-28	2.60	5-Close-Out	1932	Sep-2014 A	9	39,412
Future Filing						
49-16 Pipeline	0.99	5-Close-Out	1948	Mar-2015 A	74	25,599
49-16 4th & Palm	0.01	5-Close-Out	1958	Jan-2018 A	61	7,090
49-16 Gate Station	1.04	4-Construction	1955	Nov-2018 A	409	2,074
49-17 East	5.16	5-Close-Out	1948	Jun-2015 A	31	60,372
49-17 West	1.64	5-Close-Out	1948	Oct-2014 A	(27)	28,465
49-25	1.74	Closed	1960	Aug-2014 A	-	21,882
49-26	3.46	5-Close-Out	1958	Oct-2014 A	38	31,080
49-32-L	0.20	5-Close-Out	1965	Aug-2016 A	(351)	4,583
Line 1600						
1600 South					-	444
1600 ⁽⁵⁾⁽¹³⁾	49.89	2-Preliminary Design	1949	TBD	346	26,196
Total SDG&E Active Pipeline Projects⁽²⁰⁾					1,004	327,170

Tables 1 and 2 - Project Footnotes:

- (1) The mileage column was renamed "PSEP Current Mileage," formerly labeled "PSEP Mileage as filed," and updated to reflect the current reporting month's mileage. The mileage reported is the sum of test, replacement, and abandonment miles (except for extensive incidental abandonment). The mileage is subject to change based on various factors including, but not limited to, engineering drawings, construction, and closeout. Numbers may not add exactly due to rounding.
- (2) Project Lifecycle Stage represents the five stages of a pipeline project's lifecycle: Stage 1 Project Initiation & Feasibility, Stage 2 Preliminary Design, Stage 3 Detailed Design & Procurement, Stage 4 Construction, and Stage 5 Close-out.
- (3) The "A" at the end of the date indicates that construction has begun.
- (4) Project 2000-C, D & E currently includes cost for Sections C, D & E. Sections C & D are part of Forecast Application and Section E is part of 2019 GRC. In the future, the cost will be split.
- (5) D.18-06-028 denies the Pipeline Safety and Reliability Project (PSRP) Application A.15-09-013, but requires a test or replace plan for Line 1600 and inclusion of the status of Line 1600 in this report. See D.18-06-028 at 129 (Ordering Paragraph No. 8). In compliance with D.18-06-028, SDG&E and SoCalGas submitted its Line 1600 Test or Replacement Plan to SED on September 26, 2018. On January 15, 2019, the SED transmitted a Response Letter to SDG&E and SoCalGas approving the proposed plan as submitted.
- (6) This line has been split into individual projects. The line still holds some actual costs which will be transferred to the individual projects in the future.
- (7) This project was filed in the 2019 General Rate Case (GRC) Application A.17-10-007/008 as a 4th year project (2022).
- (8) All the costs for project 225 North are captured under project 225-P2-01. In the future, the cost will be split.
- (9) All the costs for project 85 are captured under project 85 Elk Hills to Lake Station. In the future, the cost will be split. Note: 85 South Newhall is a different project.
- (10) The scope for this project is abandonment only.
- (11) The scope for this project is de-rate only.
- (12) The scope for this project is combination of abandonment and de-rate.
- (13) TBD - Information will be updated in the future.
- (14) Costs are in nominal direct dollars. Costs recovery will include indirects and applicable loaders.
- (15) The Line 38-514-P1B-01 project has been renamed, "38-514-P1B-03."
- (16) The scope and costs for the Line 45-1001-P1B-01 and 36-1001-P1B-01 projects have been merged to be reported and executed as one project.
- (17) The following projects have been split into individual projects and are currently in the scoping phase: 2000-C, 2000-D, 2001 West – C and 2001 West – D. Individual project information will be updated in future.
- (18) The Line 235E-P2-01 project has been split into the following individual projects: L235E-P2-KELSO REPL, L235E-P2-NORTH NEEDLES REPL and L235E-P2-NEWBERRY SPRINGS REPL.
- (19) The increase of approximately \$950K in project-to-date costs from November 2018 to December 2018 is due to the inclusion of costs for the following Phase 2 projects in November 2018 that were previously excluded: 2000-C-P2, 2000-C-CHLA-P2, 2000-D-BADL-P2, 2000-Moreno Replacement, 2001 WC-P2, and 2001 WC-CHLA-PA2.
- (20) The decrease of approximately \$11K in project-to-date costs from November 2018 to December 2018 is due to a system migration mapping discrepancy for the Line 1600 project.

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix A - SoCalGas/SDG&E PSEP Pipeline Project List with Costs as of December 2018

Table 3 - SoCalGas Pipeline Projects Remediated or Removed

Pipeline Project	December 2018 Actuals ⁽¹⁴⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁾ (in \$1,000)
119 North-P2-01	-	20
169	-	-
1003	-	-
1003LT2	-	-
1017BP1	-	-
1017BP2	-	-
1017BP3	-	-
1017BR4	-	-
1017BR5	-	-
1017BR6	-	-
1017BR7	-	-
1018	-	-
1020	-	-
1024	-	-
1025	-	-
1171LT2	-	-
1171LT1BP2	-	-
1172 BP2ST1	-	-
1172 BP2ST2	-	2
1172 BP2ST3	-	-
1172 BP2ST4	-	-
1172 BP3	-	-
1172 ID 2313	-	29
235 East	-	-
247	-	18
2000-Bridge	-	-
2000-0.18-BO Crossover Piping	-	-
2001 East	-	106
30-02	-	-
30-02-U	-	-
30-09-A	-	-
30-32	-	-
30-6200	-	-
30-6209	-	-
30-6292	-	-
30-6543	-	-
30-6799	-	-
30-6799BR1	-	-
32-90	-	-
33-6263	-	3
35-10	-	-
35-20	-	-
35-20-A	-	17
35-20-A1	-	-
35-22	-	-
35-39	-	-
35-40	-	-
35-6405	-	-
35-6416	-	-
35-6520	-	-
36-7-04	-	-
36-1006	-	1
36-6588	-	-
36-8-01	-	-
36-8-01-C	-	-
36-8-06	-	-
36-9-06	-	4
36-9-06-A	-	-
36-9-09 North Section 2A	-	-
36-9-21BR1	-	-
37-04	-	-
37-18 J	-	-
37-49	-	-
37-6180	-	-
38-116-1-P2-01	-	27
38-351	-	-
38-508	-	-
38-516	-	5
38-523	-	55
38-528	-	22
38-552	-	-
38-931-P1B-01	-	91
38-959	-	-
317	-	-
3000-261.73-BO	-	-
3000-261.73-BR	-	-
41-04-I	-	8
41-05	-	4

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix A - SoCalGas/SDG&E PSEP Pipeline Project List with Costs as of December 2018

Table 3 - SoCalGas Pipeline Projects Remediated or Removed (continued)

Pipeline Project	December 2018 Actuals ⁽¹⁴⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁾ (in \$1,000)
41-05-A	-	-
41-17-A2	-	4
41-17-F	-	(1)
41-17-FST1	-	-
41-19	-	-
41-25	-	1
41-25-A	-	-
41-30	-	37
41-35-1-KST2	-	-
41-55	-	-
41-80	-	41
41-83	-	-
41-84	-	-
41-84-A	-	-
41-90	-	-
41-101	-	-
41-116BP1	-	-
41-117	-	-
41-128	-	-
41-141	-	-
41-181	-	28
41-201	-	-
41-207BR1	-	-
41-198	-	-
41-199	-	-
41-6045	-	52
41-6501	-	-
42-12	-	-
42-46	-	-
42-46-F	-	-
42-57	-	-
43-1106	-	-
43-34	-	-
44-719	-	1
44-1008 Section 2B	-	1,336
45-163	-	1
408XO1	-	-
4000	-	-
53	-	-
6100	-	-
765-8.24-BO	-	-
765BR4	-	-
775	-	-
775B01	-	-
8107	-	-
Total SoCalGas Pipeline Projects Remediated or Removed⁽²⁾	-	1,913

Table 4 - SDG&E Pipeline Projects Remediated or Removed

Pipeline Project	December 2018 Actuals ⁽¹⁴⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁾ (in \$1,000)
49-18	-	-
49-19	-	-
49-27	-	-
49-32 ^(Test)	-	-
Total SDG&E Pipeline Projects Remediated or Removed	-	-

Tables 3 and 4 - Project Footnotes:

(1) Costs are in nominal direct dollars. Costs recovery will include indirects and applicable loaders.

(2) The Line 33-6263 project and corresponding costs have been added to Appendix A, Table 3.

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix B - SoCalGas/SDG&E PSEP Valve Project List with Costs as of December 2018

Table 1 - SoCalGas Active Valve Projects

Valve Project	No. of Valves ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽⁶⁾ (in \$1,000)	Project-to-Date Actuals ⁽⁶⁾ (in \$1,000)
2016 Reasonableness Review Application (A.16-09-005)					
V-235-335 Palmdale	6	Closed	Jun-2014 A	-	6,771
V-Arrow & Haven	1	Closed	May-2014 A	-	965
V-Bain Street Station	2	Closed	Dec-2013 A	-	883
V-Brea Station-1013	1	Closed	Oct-2014 A	-	240
V-Chino Station	5	Closed	Dec-2013 A	-	997
V-Haskell Station	2	Closed	Jan-2014 A	-	698
V-Moreno Large	1	Closed	Jan-2014 A	-	505
V-Moreno Small	2	Closed	Jan-2014 A	-	710
V-Pixley Station	3	Closed	Nov-2014 A	-	1,339
V-Prado Station	5	Closed	Jan-2014 A	-	1,207
V-Puente Station	2	Closed	Jun-2014 A	-	16
V-Santa Fe Springs	3	Closed	Mar-2014 A	-	723
V-SGV	3	Closed	Feb-2015 A	-	5,051
V-Victoria Station	4	Closed	Dec-2014 A	-	1,533
V-Whitewater Station	3	Closed	Mar-2014 A	-	702
2018 Reasonableness Review Application (A.18-11-010)					
V-L1014 Brea	6	Closed	Nov-2015 A	-	6,421
V-L1018-P1B-Dana Point Station	1	Closed	Oct-2016 A	-	561
V-L1020	1	Closed	Mar-2015 A	-	1,397
V-L225 Bundle-P1B	3	Closed	Aug-2016 A	-	2,283
V-235-335 East	7	Closed	Oct-2016 A	(0)	3,380
V-L2000 Beaumont 2015	3	Closed	Aug-2015 A	-	2,373
V-2001W Seg 10-11	1	Closed	Jan-2017 A	-	1,387
V-L2003 East	7	Closed	Sep-2015 A	1	3,913
V-L2003 West	6	Closed	Oct-2015 A	-	3,441
V-404 Ventura	4	Closed	Feb-2016 A	-	3,864
V-404-406 Ventura 2016 Bundle	3	Closed	Oct-2016 A	-	856
V-406 Ventura	5	Closed	Nov-2015 A	-	3,249
V-L4000 MP 45.36	1	Closed	Sep-2016 A	-	1,224
V-L4000 MP 53.00	3	Closed	May-2015 A	-	1,184
V-L4000 MP 80.08 MLV	3	Closed	May-2015 A	-	1,137
V-L6916-P1B	3	Closed	Nov-2016 A	-	2,434
V-L7000 Bundle-P1B	2	Closed	Sep-2016 A	23	1,533
V-Alhambra Station	3	Closed	Apr-2015 A	(5)	3,133
V-Aviation-P1A-Aviation and Boardwalk	2	Closed	Jun-2016 A	-	6,592
V-Banning 5000	2	Closed	Oct-2015 A	-	2,145
V-El Segundo	2	Closed	Apr-2015 A	(2)	6,671
V-Fontana Bundle - L4002	1	Closed	Jul-2015 A	(0)	1,111
V-Fontana MLVs 4000-4002	1	Closed	Oct-2016 A	-	1,340
V-Haynes Station	3	Closed	Nov-2016 A	-	1,422
V-Honor Ranch - L225	4	Closed	May-2016 A	-	1,189
V-Indio 2014	4	Closed	May-2015 A	-	2,461
V-Lampson	4	Closed	Apr-2015 A	-	8,268
V-New Desert	7	Closed	Oct-2014 A	-	9,261
V-Newhall Station	7	Closed	Jan-2015 A	0	13,627
V-Orange	3	Closed	Apr-2015 A	-	4,679
V-Questar Taps	6	Closed	Sep-2015 A	-	1,608
V-Rainbow	10	Closed	May-2016 A	-	4,426
V-Riverside 2001	5	Closed	Oct-2015 A	-	2,111
V-Santa Barbara - 1005	1	Closed	Mar-2015 A	-	416
V-Sepulveda Station-P1B	2	Closed	Sep-2016 A	-	886
2019 GRC Application (A.17-10-008)					
V-L115-GRC-Herron	3	2-Preliminary Design	Sep-2019	11	290
V-L115-GRC-Pierce	3	2-Preliminary Design	Jun-2019	276	647
V-L115-GRC-Randall	3	2-Preliminary Design	Apr-2019	(262)	1
V-L1004-GRC-Ortega Hill	1	2-Preliminary Design	Mar-2020	3	152
V-L1017-GRC-Bristol	2	2-Preliminary Design	Dec-2019	0	57
V-L1017-P1B-Dyer	1	3-Detailed Design & Procurement	May-2019	5	910
V-L225 Honor Ranch-GRC-Castaic	1	2-Preliminary Design	Aug-2019	18	196
V-L225 Forest Service-GRC-Forest Inn Road	1	2-Preliminary Design	Apr-2020	22	34
V-L225 Forest Service-GRC-Old Ridge Route	1	2-Preliminary Design	May-2020	18	23
V-L235-GRC-Black Canyon	1	2-Preliminary Design	Apr-2020	1	79
V-235-335 West Bundle-P1B ⁽⁵⁾					86
V-235-335 West-GRC-Agua Dulce Canyon	3	2-Preliminary Design	Jun-2019	4	115
V-235-335 West-GRC-Shannon Valley	1	2-Preliminary Design	Jun-2020	4	14
V-235-335 West-GRC-Tick Canyon	2	2-Preliminary Design	Apr-2020	4	10
V-L235-GRC-Bristol Mtn	1	2-Preliminary Design	Jun-2020	1	77
V-L235-GRC-Crucero Rd	1	2-Preliminary Design	Jul-2020	15	60
V-L235-GRC-Fernner	1	2-Preliminary Design	Mar-2020	2	97
V-L235-GRC-Hwy 247	1	2-Preliminary Design	Mar-2020	0	26
V-L235-GRC-Kelso Dunes	1	2-Preliminary Design	May-2020	0	79
V-L235-GRC-Mtn Springs	1	2-Preliminary Design	Feb-2020	1	93
V-L235-GRC-Oro Mtn	1	2-Preliminary Design	Sep-2020	2	38

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix B - SoCalGas/SDG&E PSEP Valve Project List with Costs as of December 2018

Table 1 - SoCalGas Active Valve Projects (continued)

Valve Project	No. of Valves ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽⁶⁾ (in \$1,000)	Project-to-Date Actuals ⁽⁶⁾ (in \$1,000)
V-L235-GRC-Pisgah Rd	1	2-Preliminary Design	Aug-2020	1	30
V-L235-GRC-Sacramento Mtn	1	2-Preliminary Design	Jan-2020	2	93
V-L235-GRC-Stoddard Wells Rd	1	2-Preliminary Design	Oct-2020	1	25
V-SL32-21-GRC-Alhambra Stn	2	2-Preliminary Design	Sep-2019	21	62
V-SL32-21-GRC-State St	1	2-Preliminary Design	Apr-2020	26	113
V-SL32-21-GRC-Crosby St	1	2-Preliminary Design	May-2020	29	98
V-SL33-120-P1B ⁽⁴⁾	1	TBD	May-2020	1	30
V-SL38-504-GRC-Hanford Armona And Front ⁽⁴⁾	TBD	TBD	TBD	2	2
V-L324 Bundle-P1B ⁽⁵⁾				-	79
V-L324-GRC-Center Rd Stn	3	2-Preliminary Design	Oct-2019	4	22
V-L324-GRC-Happy Camp	1	2-Preliminary Design	Mar-2020	6	34
V-L324-GRC-Rice Rd	1	2-Preliminary Design	Jul-2020	4	83
V-L324-GRC-Sence Ranch	1	2-Preliminary Design	Jul-2020	5	39
V-L324-GRC-Torrey Mtn	1	2-Preliminary Design	Aug-2019	16	96
V-L324-GRC-Windy Gap and Salt Creek	1	2-Preliminary Design	May-2020	14	89
V-L2000 And L2001 Fault Isolation-GRC-Dillon Rd	0	1-Initiation & Feasibility	Oct-2020	0	0
V-L2000 Fault Isolation-GRC-Brea Telegraph Canyon Rd	0	1-Initiation & Feasibility	Jan-2021	-	-
V-L2000 And L2051 Fault Isolation-GRC-Monroe St	0	1-Initiation & Feasibility	Mar-2021	-	-
V-L3000-GRC-Bagdad	1	2-Preliminary Design	Jul-2020	14	89
V-L3000-GRC-Black Ridge	1	2-Preliminary Design	Aug-2020	15	80
V-L3000-GRC-Eagle Peak	1	2-Preliminary Design	Jan-2020	21	164
V-L3000-GRC-Kelbaker	1	3-Detailed Design & Procurement	Jan-2019	49	119
V-L3000-GRC-Marble Mtn	1	2-Preliminary Design	May-2020	16	81
V-L3000-GRC-Mercury Mtn	1	2-Preliminary Design	Mar-2020	0	50
V-L3000-GRC-Piute	1	2-Preliminary Design	Feb-2020	4	79
V-L3000-GRC-Route 66	1	2-Preliminary Design	Apr-2020	8	70
V-L3001-GRC-Burbank & Lindley	1	2-Preliminary Design	Jul-2020	3	79
V-L4000 MP 69.00 MLV-P1B	1	3-Detailed Design & Procurement	Apr-2019	4	929
V-43-121-P1B	2	2-Preliminary Design	Feb-2020	-	689
V-L406-GRC-Burbank Etiwanda	1	2-Preliminary Design	Apr-2020	-	-
V-L407-L1205-GRC-San Vicente	2	3-Detailed Design & Procurement	Nov-2019	49	1,098
V-L6906-GRC-Arrow Route Stn ⁽⁴⁾	2	1-Initiation & Feasibility	Jan-2021	4	16
V-L6906-GRC-Merrill Ave ⁽⁴⁾	1	1-Initiation & Feasibility	Feb-2021	5	14
V-L6906-GRC-Mill Rd ⁽⁴⁾	1	1-Initiation & Feasibility	Mar-2021	16	28
V-L765-GRC-Abbot & Atlantic	1	2-Preliminary Design	Nov-2019	3	76
V-L765-GRC-Cypress & Arroyo Seco	3	1-Initiation & Feasibility	Oct-2020	0	49
V-L765-GRC-Farragut & Anaheim	1	1-Initiation & Feasibility	Nov-2019	65	150
V-L765-GRC-Linsley & Atlantic	1	2-Preliminary Design	Jul-2019	20	133
V-L85-GRC-Ed Pump	1	3-Detailed Design & Procurement	Jan-2019	10	70
V-L85-GRC-Rising Canyon Rd	1	2-Preliminary Design	Aug-2019	22	55
V-L85-GRC-Twisselman Rd	1	2-Preliminary Design	Jul-2019	16	43
V-L800-GRC-Nevada Ave	1	2-Preliminary Design	Nov-2019	7	54
V-L800-GRC-Murphy Ranch Rd	1	2-Preliminary Design	Dec-2019	13	37
V-L800-GRC-Lemoore Junction	2	2-Preliminary Design	Dec-2019	16	63
V-L8109 Bundle-P1B ⁽⁵⁾				-	2
V-L8109-GRC-Arundell	1	TBD	Jan-2021	1	18
V-L8109-GRC-Casita Springs	1	TBD	Nov-2020	2	18
V-L8109-GRC-Cuyama Meter Stn	1	TBD	Aug-2020	6	80
V-L8109-GRC-Hall Canyon	1	TBD	Oct-2020	(1)	36
V-L8109-GRC-Live Oaks	1	TBD	Sep-2020	1	40
V-L8109-GRC-Sheep Camp	1	TBD	Jan-2021	0	20
V-Adelanto-P1B-MLV17	1	3-Detailed Design & Procurement	May-2019	2	220
V-Adelanto-GRC-Stoddard Wells & Dale Evans	1	3-Detailed Design & Procurement	Jan-2019	2	229
V-Aviation-GRC-190th & Green	3	1-Initiation & Feasibility	Jun-2020	4	242
V-Brea-P1B-Beach	1	2-Preliminary Design	Mar-2019	13	365
V-Blythe Bndle-GRC-Blythe Statn 2	3	3-Detailed Design & Procurement	May-2019	68	522
V-Blythe-P1B-Chuckawalla ⁽⁴⁾	2	TBD	Dec-2020	4	16
V-Blythe-P1B-Desert Center Station ⁽⁴⁾	1	TBD	Nov-2020	3	19
V-Blythe-GRC-Ford Dry Lake	3	TBD	Jul-2020	(0)	14
V-Blythe-GRC-Hayfield Stn	3	TBD	Aug-2020	0	9
V-Blythe-GRC-Shaver Summit	3	TBD	Oct-2020	0	13
V-Brea-P1B-Lincoln	1	3-Detailed Design & Procurement	Jun-2019	11	455
V-Brea-GRC-Placentia	4	2-Preliminary Design	Oct-2020	4	219
V-Burbank & Lindley-P1B	1	2-Preliminary Design	May-2020	10	155
V-Burbank-GRC-Valleyheart & Noble	3	2-Preliminary Design	Mar-2020	29	146
V-Burbank-GRC-Verdugo & Reese	3	2-Preliminary Design	Jul-2019	18	283
V-Cabazon-P1B	3	1-Initiation & Feasibility	Jan-2021	-	12
V-Carpinteria-GRC-Conoco	1	2-Preliminary Design	Aug-2019	20	393
V-Chestnut And Grand-GRC	4	TBD	Sep-2019	7	129
V-Del Amo And Wilmington-GRC	1	2-Preliminary Design	Sep-2019	4	386
V-El Segundo-P1B-Scattergood	4	3-Detailed Design & Procurement	Feb-2020	4	1,555
V-Glendale Bundle-P1B ⁽⁵⁾				-	127
V-Glendale-GRC-Adams	3	2-Preliminary Design	Sep-2019	6	155

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix B - SoCalGas/SDG&E PSEP Valve Project List with Costs as of December 2018

Table 1 - SoCalGas Active Valve Projects (continued)

Valve Project	No. of Valves ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽⁶⁾ (in \$1,000)	Project-to-Date Actuals ⁽⁶⁾ (in \$1,000)
V-Glendale-GRC-Glenoaks	2	2-Preliminary Design	Jul-2019	3	121
V-Glendale-GRC-Ave 59	3	1-Initiation & Feasibility	Sep-2019	21	180
V-Goleta-GRC-Santa Rosa Rd Buellton	1	2-Preliminary Design	Apr-2019	18	244
V-Goleta-GRC-Farren Rd	1	2-Preliminary Design	Dec-2019	16	252
V-Goleta-GRC-Gaviota St Park	1	2-Preliminary Design	May-2019	16	496
V-Goleta-GRC-Popco	1	2-Preliminary Design	Oct-2019	28	209
V-Haskell Station FM-P1B	1	1-Initiation & Feasibility	Nov-2019	3	20
V-Pico-GRC-Eastern And Commerce	3	2-Preliminary Design	Feb-2020	3	268
V-Santa Barbara-GRC-Cabrillo Bl	1	2-Preliminary Design	Aug-2020	(46)	1
V-Santa Barbara-GRC-Grove Ln	1	2-Preliminary Design	Aug-2019	63	248
V-SB County-GRC-Park Ln	1	3-Detailed Design & Procurement	Jun-2019	16	740
V-SB County-GRC-Parsons	1	3-Detailed Design & Procurement	Jul-2019	7	533
V-SFV Olympic-GRC-Yarmouth Ave ⁽⁴⁾	3	TBD	Apr-2020	2	114
V-SFV Olympic-GRC-Chatsworth St ⁽⁴⁾	2	TBD	May-2020	-	1
V-SFV Olympic-GRC-Killion St ⁽⁴⁾	3	TBD	Jun-2020	1	2
V-SFV Olympic-GRC-White Oak Ave ⁽⁴⁾	1	TBD	Jul-2020	1	3
V-SFV Bundle Valencia ⁽⁵⁾				11	57
V-SFV Valencia-GRC-Encino and San Jose	1	TBD	Oct-2020	-	-
V-SFV Valencia-GRC-Balboa and Westbury	2	1-Initiation & Feasibility	Nov-2020	7	111
V-SFV Valencia-GRC-San Fernando Mission	1	1-Initiation & Feasibility	Apr-2020	15	142
V-SFV Valencia-GRC-Eternal Valley	2	TBD	Sep-2021	2	68
V-SFV Valencia-GRC-Wilbur	1	1-Initiation & Feasibility	Oct-2020	2	74
V-SFV Valencia-GRC-Woodley and Rinaldi	1	1-Initiation & Feasibility	Oct-2020	6	77
V-Ventura Station-GRC	6	2-Preliminary Design	Oct-2019	63	102
V-Wstrn Del Rey Bdle-P1B-Del Rey Junction	3	2-Preliminary Design	Apr-2019	(1)	100
V-Wstrn Del Rey-GRC-McLaughlin & Palms	1	3-Detailed Design & Procurement	Jun-2019	25	175
Future Filing					
V-L1014 Olympic	6	5-Close-Out	Feb-2016 A	(78)	6,666
V-L1018-P1B-Alipaz	1	5-Close-Out	May-2018 A	19	1,214
V-L1018-P1B-Avery	1	5-Close-Out	Feb-2018 A	4	1,061
V-L1018-P1B-Burt Bdl	2	5-Close-Out	Jul-2017 A	7	2,223
V-L1018-P1B-Camino Capistrano	1	4-Construction	Sep-2018 A	347	2,970
V-L1018-P1B-El Toro	1	4-Construction	Dec-2018 A	33	657
V-L1018-P1B-Harvard	3	4-Construction	Jul-2018 A	188	2,043
V-29 Palms-P1B-Indian Canyon	1	4-Construction	Oct-2017 A	6	1,110
V-29 Palms-P1B-Mohawk Trail	1	5-Close-Out	Feb-2018 A	11	785
V-29 Palms-P1B-Sunburst St	1	5-Close-Out	May-2018 A	14	1,312
V-29 Palms-P1B-Utah Trail	1	5-Close-Out	Jan-2018 A	16	1,132
V-L225-P1B-Beartrap	1	Closed	May-2017 A	(23)	1,115
V-L225-P1B-Quail Canal	1	Closed	Jun-2017 A	3	1,111
V-L2000 Beaumont 2016	4	4-Construction	Jun-2017 A	296	4,609
V-SL45-120 Section 2-P1B	1	5-Close-Out	Apr-2018 A	3	822
V-404-406 Valley	8	5-Close-Out	Sep-2015 A	26	9,149
V-404-406 Vent. 2016 P1B Somis Yard	1	5-Close-Out	May-2018 A	21	1,059
V-L4000-P1B-Camp Rock Rd	1	4-Construction	Dec-2018 A	46	318
V-L4000-P1B-Powerline Rd	1	4-Construction	Nov-2018 A	107	409
V-L4000-P1B-Desert View Rd	1	4-Construction	Oct-2018 A	86	1,185
V-L4000-P1B-Devore Stn	3	4-Construction	Sep-2018 A	88	987
V-L7000-P1B-Melcher & Elmo	3	4-Construction	Jun-2018 A	5	2,861
V-L7000-P1B-Beech & HWY 46	1	5-Close-Out	Mar-2018 A	45	2,988
V-L7000-P1B-Rd 68 & Ave 232	1	5-Close-Out	Jan-2018 A	32	1,797
V-L7000-P1B-Rd 96 & Ave 198	1	5-Close-Out	Oct-2017 A	32	1,947
V-L7000-P1B-Visalia Stn	2	5-Close-Out	Jul-2018 A	10	326
V-Adelanto-P1B-MLV4	1	5-Close-Out	Dec-2017 A	(26)	559
V-Apple Valley-P1B	1	5-Close-Out	May-2018 A	16	1,298
V-Apple Valley-P1B-MLV13	1	5-Close-Out	Nov-2017 A	8	314
V-Aviation-P1B-Aviation and 104th	5	5-Close-Out	Apr-2017 A	(43)	8,102
V-Banning 2001	3	Closed	Apr-2016 A	-	1,148
V-Banning-2001-P1B-MLV16A	1	5-Close-Out	Oct-2017 A	20	1,080
V-Banning-2001-P1B-MLV14A	1	Closed	May-2017 A	0	1,089
V-Banning-2001-P1B-MLV17A	1	5-Close-Out	Apr-2018 A	26	1,442
V-Banning Airport	2	Closed	Apr-2015 A	0	990
V-Blythe (Cactus City)-P1B	1	4-Construction	Jul-2018 A	24	1,311
V-Brea Hacienda Bundle-P1B				-	(13)
V-Brea-P1B-Atwood Stn	3	5-Close-Out	Jul-2017 A	2	853
V-Brea-P1B-Azusa Ave	1	4-Construction	Mar-2018 A	4	321
V-Brea-P1B-Brea Canyon	3	5-Close-Out	Oct-2017 A	3	1,137
V-Brea-P1B-Carbon Canyon	1	Closed	Sep-2017 A	4	388
V-Burbank-P1B-Riverside & Agnes	1	4-Construction	Oct-2018 A	67	316
V-Carpinteria-P1B-Oxy-Rincon	1	5-Close-Out	Apr-2018 A	46	1,063
V-Del Amo Station-P1B	3	5-Close-Out	Jan-2018 A	1	1,100
V-Fontana MLVs 4000-4002-P1B-Benson & Chino	1	5-Close-Out	Sep-2017 A	(23)	1,329
V-Fontana 4002-P1B-Etiwand & 4th	1	5-Close-Out	Apr-2017 A	(22)	1,298

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix B - SoCalGas/SDG&E PSEP Valve Project List with Costs as of December 2018

Table 1 - SoCalGas Active Valve Projects (continued)

Valve Project	No. of Valves ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽⁶⁾ (in \$1,000)	Project-to-Date Actuals ⁽⁶⁾ (in \$1,000)
V-Glendale-P1B-Monterey	1	5-Close-Out	Feb-2018 A	3	415
V-Indio 2016-P1B	2	5-Close-Out	Aug-2017 A	3	1,171
V-Indio-2016-P1B-MLV10s	3	5-Close-Out	Oct-2017 A	11	1,532
V-Indio-2016-P1B-MLV8s	3	5-Close-Out	Jan-2018 A	12	1,604
V-Palowalla-P1B	3	4-Construction	Feb-2018 A	(2,689)	2,910
V-Rainbow 2017	2	4-Construction	Jul-2018 A	209	1,368
V-Rainbow CV-P1B ⁽⁵⁾				-	157
V-Rainbow CV-P1B-Newport & Briggs	1	5-Close-Out	Jul-2018 A	6	388
V-Rainbow CV-P1B-Rainbow Valley & Pechanga	2	5-Close-Out	Aug-2018 A	8	155
V-Rainbow CV-P1B-Ramona & Lakeview	2	5-Close-Out	Jul-2018 A	15	357
V-Rainbow CV-P1B-Scott & El Centro	2	5-Close-Out	Sep-2018 A	11	435
V-Rainbow-P1B-MLV5	3	4-Construction	Oct-2018 A	262	574
V-SB County-P1B-Lions	1	4-Construction	Jul-2018 A	25	1,511
V-Spence Station-P1B	2	4-Construction	Dec-2017 A	7	1,121
V-Taft-P1B ⁽⁵⁾				-	0
V-Taft-P1B-Buttonwillow	1	Closed	Apr-2017 A	0	1,133
V-Taft-P1B-7th Standard	1	Closed	Sep-2017 A	-	1,204
V-Taft-P1B-Hageman & Runfro	2	4-Construction	Nov-2018 A	2,175	3,422
V-Taft-P1B-Sycamore	1	Closed	Aug-2017 A	4	1,145
V-Victorville COMMS-P1B-MLV11	1	4-Construction	Oct-2018 A	368	657
V-Victorville COMMS-P1B-MLV12	1	Closed	Nov-2017 A	2	418
V-Wilmington-P1B Lecouver Ave & F St	3	4-Construction	Oct-2018 A	26	237
V-Wilmington-P1B Eubank Stn	2	5-Close-Out	Mar-2018 A	13	515
V-Western/Del Rey Bundle-P1B ⁽⁵⁾				-	5
V-Wstrn Del Rey Bdle-P1B-Mississippi & Armacost	1	Closed	Nov-2017 A	3	418
V-Yorba Station-P1B ⁽⁴⁾	0	TBD	Jan-2022	2	16
Total SoCalGas Active Valve Projects⁽⁷⁾				3,078	252,682

Table 2 - SDG&E Active Valve Projects

Valve Project	No. of Valves ⁽¹⁾	Project Lifecycle Stage ⁽²⁾	Construction Start Date ⁽³⁾ (Month-Year)	December 2018 Actuals ⁽⁶⁾ (in \$1,000)	Project-to-Date Actuals ⁽⁶⁾ (in \$1,000)
2018 Reasonableness Review Application (A.18-11-010)					
V-1600 Bundle	16	Closed	Dec-2014 A	(186)	324
V-3010 Bundle	9	Closed	Dec-2014 A	-	219
V-3100 and 2010 FM	2	Closed	Oct-2016 A	-	238
V-3600 Bundle	12	Closed	Mar-2015 A	-	4,400
V-49-28	1	Closed	Oct-2016 A	(0)	1,522
Future Filing					
V-1601 Ultrason	1	4-Construction	Apr-2018 A	115	429
V-49-11 & 49-27	1	5-Close-Out	Sep-2016 A	6	1,578
V-49-16 RCV	4	5-Close-Out	Aug-2017 A	19	1,938
V-49-18 MVH	1	5-Close-Out	Oct-2017 A	47	498
V-49-23	1	4-Construction	Sep-2018 A	115	1,244
V-49-32-L RCV	1	5-Close-Out	Aug-2016 A	18	1,886
Total SDG&E Active Valve Projects				133	14,277

Tables 1 and 2 - Project Footnotes:

- (1) Number subject to change based on design and constructability. Backflow Prevention (BFP2) and Flow Meters (FM) are for check valves, regulatory station modifications and communication sites. Counts do not include BFP1 (regulator station modification) projects.
- (2) Project Lifecycle Stage represents the five stages of a valve project's lifecycle: Stage 1 Project Initiation & Feasibility, Stage 2 Preliminary Design, Stage 3 Detailed Design & Procurement, Stage 4 Construction, and Stage 5 Close-out.
- (3) The "A" at the end of the date indicates that construction has begun.
- (4) New valve project currently being initiated. TBD represent that the Project scope, stage, and/or construction start date information will be available at a later date.
- (5) This valve has been broken up into separate projects for cost and schedule progress reporting purposes. Part of the project requires separate planning and execution due to location, permitting, and/or constructability.
- (6) Costs are in nominal direct dollars. Costs recovery will include indirects and applicable loaders.
- (7) The increase of approximately \$51K in project-to-date costs from November 2018 to December 2018 is due to:
 - o Inclusion of the V-Burbank-GRC-Lindley-P1B project costs in November 2018 that were previously excluded.
 - o Moving the V-L8109-GRC-Apache Cyn project from Appendix B, Table 1 to 3.

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix B - SoCalGas/SDG&E PSEP Valve Project List with Costs as of December 2018

Table 3 - SoCalGas Valve Projects Remediated or Removed

Valve Project	December 2018 Actuals ⁽⁶⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁾ (in \$1,000)
V-L115-P1B-Walnut	-	142
V-235-198.20	-	0
V-L247 Goleta-P1B	-	38
V-L2002-P1B	-	5
V-L37-18F	-	-
V-L4002 MP 67.00 MLV	-	361
V-L4002 MP 72.70-P1B	-	0
V-L4000-P1B-Cajon Junction	1	1
V-L4002 MP 86.44-FM-P1B	-	(0)
V-L765-P1B-Fairmont & Faircourt	-	-
V-L765-P1B-Mission & Workman	-	(0)
V-L85 Templin Highway MP 137.99-P1B	-	90
V-L8109-GRC-Apache Canyon	-	25
V-Blythe COMMs-P1B	-	-
V-Goleta-P1B-More Ranch Rd	-	122
V-Lampson Check Valves-P1B	0	15
V-Los Alamitos	-	0
V-Needles COMMs-P1B	-	19
V-Quigley Station	-	82
V-Rainbow CV-P1B-Rancho California & Margarita	-	0
Total SoCalGas Valve Projects Remediated or Removed	2	900

Tables 3 - Project Footnotes:

(1) Costs are in nominal direct dollars. Costs recovery will include indirects and applicable loaders.

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix C - SoCalGas/SDG&E Records Review and Interim Safety Measure Costs as of December 2018

Table 1 - SoCalGas Records Review and Interim Safety Measure Costs

Cost Type	December 2018 Actuals ⁽¹⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁾ (in \$1,000)
Leak Survey and Pipeline Patrol	-	684
Records Review	-	14,707
Pressure Protection Equipment	-	196
Other Remediation	-	447
Total SoCalGas Records Review and Interim Safety Measure Costs	-	16,035

Table 2 - SDG&E Records Review and Interim Safety Measure Costs

Cost Type	December 2018 Actuals ⁽¹⁾ (in \$1,000)	Project-to-Date Actuals ⁽¹⁾ (in \$1,000)
Leak Survey and Pipeline Patrol	-	70
Records Review	-	1,098
Pressure Protection Equipment	-	3
Other Remediation	-	1
Total SDG&E Records Review and Interim Safety Measure Costs	-	1,172

Tables 1 and 2 - Footnotes:

(1) Costs are in nominal direct dollars. Costs recovery will include indirects and applicable loaders.

SoCalGas and SDG&E PSEP Monthly Pipeline Safety Plan Status Report to the Commission for December 2018

Appendix D - SoCalGas/SDG&E PSEP Total Project Cost Summary as of December 2018

Table 1 - SoCalGas Cost Summary

Cost Type	December 2018 Actuals (in \$1,000)	Project-to-Date Actuals (in \$1,000)
Total Pipeline Project Costs	9,068	1,050,911
Active Pipeline Projects ^{A,K}	9,068	1,048,998
Remediated or Removed Pipeline Projects	-	1,913
Total Valve Project Costs	3,079	253,582
Active Valve Projects ^{A,C, F,K}	3,078	252,682
Remediated or Removed Valve Projects	2	900
Total Records Review and Interim Safety Measure Costs^{A,E}	-	16,035
Total Pipeline and Valve Other Costs	187	21,511
Methane Detectors	(0)	322
Communications ⁽¹⁾	-	(27)
Construction ⁽¹⁾	(5)	1,268
Engineering ⁽¹⁾	-	251
Training ⁽¹⁾	3	348
Gas Control ⁽¹⁾	-	1
Environmental ⁽¹⁾	-	2
Supply Management ⁽¹⁾	-	2,025
General Administration ⁽¹⁾	192	16,958
Program Management Office ⁽¹⁾	(2)	363
GRAND TOTAL SOCALGAS PSEP PROJECT COST	12,334	1,342,039

Table 2 - SDG&E Cost Summary

Cost Type	December 2018 Actuals (in \$1,000)	Project-to-Date Actuals (in \$1,000)
Total Pipeline Projects	1,004	327,170
Active Pipeline Projects ^{A,K}	1,004	327,170
Remediated or Removed Pipeline Projects	-	-
Total Valve Projects	133	14,277
Active Valve Projects ^{A,C, F,K}	133	14,277
Remediated or Removed Valve Projects	n/a	n/a
Total Records Review and Interim Safety Measure Costs^{A,E}	-	1,172
Other Costs	17	3,190
Methane Detectors	-	104
Communications ⁽¹⁾	0	7
Construction ⁽¹⁾	-	0
Engineering ⁽¹⁾	1	65
Training ⁽¹⁾	-	0
Gas Control ⁽¹⁾	-	-
Environmental ⁽¹⁾	-	30
Supply Management ⁽¹⁾	-	1,984
General Administration ⁽¹⁾	16	1,002
Program Management Office ⁽¹⁾	-	(2)
GRAND TOTAL SDG&E PSEP PROJECT COST	1,153	345,808

Tables 1 and 2 - Project Footnotes:

(1) 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. In addition, adjustment will be made due to changes in project plans, scope, and schedule from the original projection of O&M and Capital project spend.

Table 1 and 2 - Overall Financial Notes:

(A) Costs reflect actuals for the month of December 2018 and project-to-date costs from May 2012 to December 2018.

(B) Project costs do not reflect year-to-date actuals. There is some lag time in getting costs posted.

(C) Costs are in nominal direct dollars. Costs recovery will include indirects and applicable loaders.

(D) As of December 2018, the SoCalGas balance in the Pipeline Safety and Reliability Memorandum Account (PSRMA) reflects a balance of \$5,980,128 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), and reflects approximately \$40.7 million of amortization revenues to-date. The overall regulatory account balance in SoCalGas' PSRMA has decreased from the November 2018 to December 2018 report because amortization exceeds interest for the current month.

(E) As of December 2018, the SDG&E balance in the Pipeline Safety and Reliability Memorandum Account (PSRMA) reflects a balance of \$518 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).

(F) As of December 2018, the SoCalGas balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$50,478,524 which includes balancing account interest and reflects approximately \$84.4 million of amortization revenues to-date. The overall SoCalGas SEEBA balance has decreased from the November 2018 to December 2018 report because amortization exceeds the recorded costs and interest for the current month.

(G) Pursuant to D.16-08-003, SoCalGas and SDG&E are authorized interim rate recovery of 50% of the recorded balances, reduced by amounts currently under review by the Commission, in their SEEBA, Safety Enhancement Capital Cost Balancing Account (SECCBA) and PSRMA.

(H) As of December 2018, the SDG&E balance in the Safety Enhancement Expense Balancing Account (SEEBA) reflects a balance of \$4,284,688 which includes balancing account interest and approximately \$5.7 million of amortization revenues to-date. The overall SDG&E SEEBA balance has decreased from the November 2018 to December 2018 report because amortization exceeds the recorded costs and interest for the current month.

(I) As of December 2018, the SoCalGas balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$234,608,306 which includes balancing account interest and reflects approximately \$87 million of amortization revenues to-date.

(J) As of December 2018, the SDG&E balance in the Safety Enhancement Capital Cost Balancing Account (SECCBA) reflects a balance of \$63,881,565 which includes balancing account interest and approximately \$18.1 million of amortization revenues to-date.

(K) As of December 2018, the SoCalGas balance in the Pipeline Safety Enhancement Plan (Phase 2) Memorandum Account (PSEP-P2MA) reflects a balance of \$8,718,317 which includes balancing account interest.