



Risk Assessment and Mitigation Phase Cross-Functional Factor

(SDG&E-CFF-7-WP) Safety Management System Workpapers

May 17, 2021

2021 RAMP
SDG&E-CFF-7-WP
Cross-Functional Factors Recorded and Forecast Costs Incurred Workpaper
Tab: Incurred\$
(2020 Direct \$000)

CFF Volume ID	CFF Name	Line No.	Project / Program Description	RECORDED DOLLARS										FORECAST DOLLARS												Shared Allocations (Yes/No)		
				O&M					Capital					O&M						Capital								
				2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		2023		2024		2022		2023		2024				
											\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High						
SDG&E-CFF-7	Safety Management System	1	Development and Implementation of an Enterprise-Wide SMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 600	\$ 500	\$ 600	\$ 500	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	2	Enhanced Employee and Stakeholder Engagement, including SMS Competence, Awareness, Survey and Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400	\$ 600	\$ 400	\$ 600	\$ 400	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	3	Integration of New Technology and Enhanced Data and Analytics Capabilities for Continuous Safety Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	4	Enhanced Documentation and Recordkeeping Practices	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 300	\$ 100	\$ 300	\$ 100	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	5	Expanded Quality Management Program Focused on Asset Safety	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 300	\$ 200	\$ 300	\$ 200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	6	Enhanced Stakeholder Feedback and Key Performance Indicator Monitoring, Tracking, and Reporting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 300	\$ 200	\$ 300	\$ 200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	7	Development and Implementation of a Strong Management of Change Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SDG&E-CFF-7	Safety Management System	8	SMS Program Benchmarking, Measurement, and Maturity Assessment for Continuous Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 300	\$ 200	\$ 300	\$ 200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No

NOTES:

[1] The figures provided are direct charges and do not include company loaders, with the exception of vacation and sick. The costs are also in 2020 dollars and have not been escalated to 2021 amounts.

[2] Costs are provided, where available, for all activities regardless of whether a RSE analysis was performed.

2021 RAMP

SDG&E-CFF-7-WP

Cross-Functional Factors Shared Allocations Workpaper

Tab: Shared Allocations

(2020 Direct \$000)

CFF Volume ID	CFF Name	Line No.	Project / Program Description	O&M Shared Allocations			
				Retained	SoCalGas	Sempra Energy	Other
SDG&E-CFF-7	Safety Management System	1	Development and Implementation of an Enterprise-Wide SMS	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	2	Enhanced Employee and Stakeholder Engagement, including SMS Competence, Awareness, Survey and Training	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	3	Integration of New Technology and Enhanced Data and Analytics Capabilities for Continuous Safety Improvement	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	4	Enhanced Documentation and Recordkeeping Practices	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	5	Expanded Quality Management Program Focused on Asset Safety	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	6	Enhanced Stakeholder Feedback and Key Performance Indicator Monitoring, Tracking, and Reporting	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	7	Development and Implementation of a Strong Management of Change Platform	100%	0%	0%	0%
SDG&E-CFF-7	Safety Management System	8	SMS Program Benchmarking, Measurement, and Maturity Assessment for Continuous Improvement	100%	0%	0%	0%

2021 RAMP
SDG&E-CFF-7-WP
Cross-Functional Factors Recorded and Forecast Costs After Allocations Workpaper
Tab: After Allocations\$
(2020 Direct \$000)

CFF Volume ID	CFF Name	Line No.	Project / Program Description	RECORDED DOLLARS										FORECAST DOLLARS											
				O&M					Capital					O&M					Capital						
				2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		2023		2024		2022		2023		2024	
				\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High
SDG&E-CFF-7	Safety Management System	1	Development and Implementation of an Enterprise-Wide SMS	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 600	\$ 500	\$ 600	\$ 500	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	2	Enhanced Employee and Stakeholder Engagement, including SMS Competence, Awareness, Survey and Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400	\$ 600	\$ 400	\$ 600	\$ 400	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	3	Integration of New Technology and Enhanced Data and Analytics Capabilities for Continuous Safety Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	4	Enhanced Documentation and Recordkeeping Practices	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 300	\$ 100	\$ 300	\$ 100	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	5	Expanded Quality Management Program Focused on Asset Safety	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 300	\$ 200	\$ 300	\$ 200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	6	Enhanced Stakeholder Feedback and Key Performance Indicator Monitoring, Tracking, and Reporting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 300	\$ 200	\$ 300	\$ 200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	7	Development and Implementation of a Strong Management of Change Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-CFF-7	Safety Management System	8	SMS Program Benchmarking, Measurement, and Maturity Assessment for Continuous Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 300	\$ 200	\$ 300	\$ 200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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