



# **Risk Assessment and Mitigation Phase**

**(Chapter SCG -Risk-5-WP)**

**Incident Involving an Employee**

**Workpapers**

**May 17, 2021**

2021 RAMP  
 SCG-Risk-5-WP  
 Risks Recorded and Forecast Costs Incurred Allocations Workpaper  
 Tab: Incurred<sup>1</sup>  
 (2020 Direct 5000)

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	RECORDED DOLLARS										FORECAST DOLLARS										Shared Allocations (Yr/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
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Programs and Standardized Policies	\$ 628	\$ 844	\$ 842	\$ 787	\$ 882	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 838	\$ 1,015	\$ 838	\$ 1,015	\$ 838	\$ 1,015	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C2	Drug and Alcohol Testing Programs	\$ 447	\$ 459	\$ 501	\$ 489	\$ 498	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 473	\$ 572	\$ 473	\$ 572	\$ 473	\$ 572	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C3	Employee Wellness Programs	\$ 3,751	\$ 4,094	\$ 2,190	\$ 2,451	\$ 2,648	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,516	\$ 3,045	\$ 2,516	\$ 3,045	\$ 2,516	\$ 3,045	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C4	Employee Safety Training and Awareness Programs	\$ 394	\$ 373	\$ 435	\$ 451	\$ 438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 416	\$ 504	\$ 416	\$ 504	\$ 416	\$ 504	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C5	Safe Driving Programs	\$ 566	\$ 524	\$ 620	\$ 1,141	\$ 1,179	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,120	\$ 1,356	\$ 1,120	\$ 1,356	\$ 1,120	\$ 1,356	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C6	Personal Protection Equipment (PPE)	\$ 1,274	\$ 1,213	\$ 1,173	\$ 1,263	\$ 1,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,082	\$ 1,309	\$ 1,082	\$ 1,309	\$ 1,082	\$ 1,309	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C7	Near Miss, Stop the Job and jobsite safety programs	\$ 394	\$ 373	\$ 435	\$ 451	\$ 438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 416	\$ 504	\$ 416	\$ 504	\$ 416	\$ 504	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C8	Safety Culture Programs	\$ 568	\$ 531	\$ 534	\$ 702	\$ 810	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 802	\$ 971	\$ 802	\$ 971	\$ 802	\$ 971	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C9	Utilizing Industry Best Practices and Benchmarking	\$ 1,165	\$ 1,188	\$ 1,291	\$ 1,314	\$ 1,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,012	\$ 1,225	\$ 1,012	\$ 1,225	\$ 1,012	\$ 1,225	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	C10	Workplace Violence Prevention Programs	\$ 1,328	\$ 1,211	\$ 3,364	\$ 1,310	\$ 1,357	\$ 584	\$ 1,877	\$ 496	\$ 1,909	\$ 1,296	\$ 3,231	\$ 4,490	\$ 1,193	\$ 1,645	\$ 1,196	\$ 4,487	\$ 1,109	\$ 1,356	\$ 1,109	\$ 1,356	\$ 1,109	\$ 1,356	No
SCG-Risk-5	Incident Involving an Employee	M1	OSHA Construction Certification Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	M2	Industrial Hygiene Program Refresh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 961	\$ 1,262	\$ 961	\$ 1,262	\$ 961	\$ 1,262	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	M3	Proactive Monitoring for Indoor Air Quality and Chemicals of Concern	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59	\$ 78	\$ 59	\$ 78	\$ 59	\$ 78	\$ -	\$ -	\$ -	\$ -	\$ -	No
SCG-Risk-5	Incident Involving an Employee	M4	Creation of a Safety Video Library	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50	\$ 65	\$ 50	\$ 65	\$ 50	\$ 65	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-Risk-5	Incident Involving an Employee	M5	Expanded Safety Culture Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45	\$ 60	\$ 45	\$ 60	\$ 45	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-Risk-5	Incident Involving an Employee	M6	Industrial Hygiene Program Expansion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 149	\$ 195	\$ 149	\$ 195	\$ 149	\$ 195	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SCG-Risk-5	Incident Involving an Employee	M7	Workplace Violence Prevention Program Enhancements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 219	\$ 317	\$ 219	\$ 317	\$ 219	\$ 317	No
<b>NOTES:</b>																										
[1] The figures provided are direct charges and do not include company leaders, 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  
 SCG-Risk-5-WP  
 Risks Shared Allocations Workpaper  
 Tab: Shared Allocations  
 (2020 Direct \$000)

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Shared Allocations			
				Retained	SDG&E	Sempra Energy	Other
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Programs and Standardized Policies	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C2	Drug and Alcohol Testing Programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C3	Employee Wellness Programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C4	Employee Safety Training and Awareness Programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C5	Safe Driving Programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C6	Personal Protection Equipment (PPE)	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C7	Near Miss, Stop the Job and jobsite safety programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C8	Safety Culture Programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C9	Utilizing Industry Best Practices and Benchmarking	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	C10	Workplace Violence Prevention Programs	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M1	OSHA Construction Certification Training	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M2	Industrial Hygiene Program Refresh	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M3	Proactive Monitoring for Indoor Air Quality and Chemicals of Concern	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M4	Creation of a Safety Video Library	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M5	Expanded Safety Culture Assessments	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M6	Industrial Hygiene Program Expansion	100%	0%	0%	0%
SCG-Risk-5	Incident Involving an Employee	M7	Workplace Violence Prevention Program Enhancements	100%	0%	0%	0%



2021 RAMP  
 SCG-Risk-5-WP  
 Risks Recorded and Forecast Units Workpaper  
 Tab: Units

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Units Description		RECORDED UNITS										FORECAST UNITS											
				Capital	O&M	O&M					Capital					O&M				Capital							
						2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		2023		2024		2022		2023		2024	
				Low	High																						
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Programs and Standardized Policies	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C2	Drug and Alcohol Testing Programs	FTE	7	6	8	3	6	0	0	0	0	0	6	7	6	7	6	7	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C3	Employee Wellness Programs	FTE	7	6	8	3	6	0	0	0	0	0	6	7	6	7	6	7	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C4	Employee Safety Training and Awareness Programs	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C5	Safe Driving Programs	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C6	Personal Protection Equipment (PPE)	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C7	Near Miss, Stop the Job and Jobite safety programs	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C8	Safety Culture Programs	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C9	Utilizing Industry Best Practices and Benchmarking	FTE	24	18	18	24	18	0	0	0	0	0	17	21	17	21	17	21	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	C10	Workplace Violence Prevention Programs	FTE	27	26	28	28	30	2	2	1	2	2	28	32	28	32	28	32	2	2	2	2	2		
SCG-Risk-5	Incident Involving an Employee	M1	OSHA Construction Certification Training	Attendees	0	0	0	0	0	0	0	0	0	0	50	65	50	65	50	65	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	M2	Industrial Hygiene Program Refresh	FTE	0	0	0	0	0	0	0	0	0	0	19	25	19	25	19	25	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	M3	Proactive Monitoring for Indoor Air Quality and Chemicals of Concern	FTE	0	0	0	0	0	0	0	0	0	0	6	8	6	8	6	8	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	M4	Creation of a Safety Video Library	FTE	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	M5	Expanded Safety Culture Assessments	Survey	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	M6	Industrial Hygiene Program Expansion	FTE	0	0	0	0	0	0	0	0	0	0	2	3	2	3	2	3	0	0	0	0	0	0	
SCG-Risk-5	Incident Involving an Employee	M7	Workplace Violence Prevention Program Enhancements	FTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	