

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: IncurredS (2020 Direct 5000)

			[RECORDE	D DOLLARS										FORECAST	DOLLARS						
						0&M					Capital					80	.M					Cap	oital			
		Control /		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	20	022	20	23	202	4	20)22	20	123	2024		Shared Allocations
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name	2020	2017	2010	2013	2020	2010	2027	2010	2025	2020	\$ Low	\$ High	\$ Low	\$ High	(Yes/No)								
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Progreams 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		Drug and Alcohol Testing Programs	\$ 447						\$ -	\$ -	\$ -	\$ -	\$ 473						\$ -	\$ -	\$ -	\$ -	\$ - \$		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		\$ 416	\$ 504	\$ -	\$ -	\$ -	\$ -	\$ - \$	-	No
SCG-Risk-5	Incident Involving an Employee	CS	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	s -	\$ -	Š -	Ś -	Š -	\$ 802	\$ 971	\$ 802	\$ 971	\$ 802	\$ 971	\$ -	Š -	Ś -	s -	s - s	-	No
SCG-Risk-5	Incident Involving an Employee	C9	Utilizing Industry Best Practices and Benchmarking	\$ 1.165	\$ 1.188	\$ 1,291	\$ 1.314	\$ 1.066	s -	\$ -	s -	\$ -	s -	\$ 1.012	\$ 1.225	\$ 1,012	\$ 1.225	\$ 1.012	\$ 1.225	\$ -	s -	Ś -	s -	s - s	-	No
SCG-Risk-5	Incident Involving an Employee	C10	Workplace Violence Prevention Programs	\$ 1,328	\$ 1.217			\$ 1,357	\$ 584	\$ 1.877	\$ 496	\$ 1.909	\$ 1.296	\$ 1.232	\$ 1,490			\$ 1.196	\$ 1.447	\$ 1,109	\$ 1.356	\$ 1.109	\$ 1,356	S 1.109 S	1.356	No
SCG-Risk-5	Incident Involving an Employee	M1	OSHA Construction Certification Training	\$ -	\$ -	s -	s -	s -	\$ -	\$ -	\$ -	\$ -	\$ -													No
SCG-Risk-5	Incident Involving an Employee	M2	Industrial Hygiene Program Refresh	ς .	\$ -	ς .	ς .	ς .	s -	\$ -	S -	\$ -	\$ -	\$ 961	\$ 1.262	\$ 961	\$ 1.262	\$ 961	\$ 1.262	\$ -	ς -	ς .	ς .	ς . ς	-	No
SCG-Risk-5	Incident Involving an Employee	M3	Proactive Monitoring for Indoor Air Quality and Chemicals of Concern	\$ -	\$ -	\$ -	s -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59	\$ 78	\$ 59	\$ 78	\$ 59	\$ 78	\$ -	\$ -	\$ -	\$ -	s - s	-	No
SCG-Risk-5	Incident Involving an Employee	M4	Creation of a Safety Video Library	. 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 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
NOTES:	vided are direct charges and do not include compan	y loaders, with the ex	ception of vacation and sick. The costs are also in 2020 dollars and have	not been esca	lated to 2021 a	mounts.																				
	ded, where available, for all activities regardless of v																									

2021 RAMP SCG-Risk-5-WP Risks Shared Allocations Workpaper Tab: Shared Allocations

(2020 Direct \$000)

					Shared A	llocations	
RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Retained	SDG&E	Sempra Energy	Other
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Progreams 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-S-WP Risks Recorded and Forecast Costs After Allocations Workpaper Tab: After Allocations\$

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

[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.

(2020 Direct \$000)

(2020 Direct 3000	•		i																						
								RECORDE	DOLLARS										FOREC	AST DOLLAR	S				
						0&M					Capital					0&	М						Capital		
		Control /		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		20	123	20	124	20	22		2023	20	024
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name	2020	2027	2010	2013	2020	2010	2027	2010	2023	2020	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Progreams and Standardized Policies	\$ 628	\$ 844	\$ 842	\$ 787	\$ 882	\$ -	\$ -	\$ - :	\$ -	\$ -	\$ 838 5	1,015	\$ 838	\$ 1,015	\$ 838	\$ 1,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C2	Drug and Alcohol Testing Programs	\$ 447	\$ 459	\$ 501	\$ 489	\$ 498	\$ -	\$ -	\$ - :	\$ -	\$ -	\$ 473 \$	572	\$ 473	\$ 572	\$ 473	\$ 572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C3	Employee Wellness Programs	\$ 3,751	\$ 4,094	\$ 2,190	\$ 2,451	\$ 2,648	\$ -	\$ -	\$ - !	٠ \$	\$ -	\$ 2,516 \$	3,045	\$ 2,516	\$ 3,045	\$ 2,516	\$ 3,045	\$ -	٠ \$	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C4	Employee Safety Training and Awareness Programs	\$ 394	\$ 373	\$ 435	\$ 451	\$ 438	\$ -	\$ -	\$ - !	٠ \$	\$ -	\$ 416 5	504	\$ 416	\$ 504	\$ 416	\$ 504	\$ -	٠ \$	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C5	Safe Driving Programs	\$ 566	\$ 524	\$ 620	\$ 1,141	\$ 1,179	\$ -	\$ -	\$ - !	٠ \$	\$ -	\$ 1,120 \$	1,356	\$ 1,120	\$ 1,356	\$ 1,120	\$ 1,356	\$ -	٠ \$	\$ -	\$ -	\$ -	\$ -
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C7	Near Miss, Stop the Job and jobsite safety programs	\$ 394						\$ -	\$ - !	\$ -	\$ -	\$ 416 5	504	\$ 416	\$ 504	\$ 416	\$ 504	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C8	Safety Culture Programs	\$ 568	\$ 531	\$ 534	\$ 702	\$ 810	\$ -	\$ -	\$ - !	٠ \$	\$ -	\$ 802 \$	971	\$ 802	\$ 971	\$ 802	\$ 971	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C9	Utilizing Industry Best Practices and Benchmarking	\$ 1,165	\$ 1,188	\$ 1,291	\$ 1,314	\$ 1,066	\$ -	\$ -	\$ - !	٠ \$	\$ -	\$ 1,012 \$	1,225	\$ 1,012	\$ 1,225			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	C10	Workplace Violence Prevention Programs	\$ 1,328	\$ 1,217	\$ 1,364	\$ 1,319	\$ 1,357	\$ 584	\$ 1,877	\$ 496 \$	\$ 1,909	\$ 1,296	\$ 1,232 \$	1,490	\$ 1,193	\$ 1,445	\$ 1,196	\$ 1,447	\$ 1,109	\$ 1,356	\$ 1,109	\$ 1,356	\$ 1,109	\$ 1,356
SCG-Risk-5	Incident Involving an Employee	M1	OSHA Construction Certification Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5		\$ -	\$ - 5	-	\$ -	\$ -	\$ -	\$ -	\$ -	٠ \$	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	M2	Industrial Hygiene Program Refresh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	. 5	\$ -	\$ 961 5	1,262	\$ 961	\$ 1,262	\$ 961	\$ 1,262	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
																									ì
SCG-Risk-5	Incident Involving an Employee	M3	Proactive Monitoring for Indoor Air Quality and Chemicals of Concern	\$ -	\$ -	\$ -	\$ -	s -	\$ -	\$ -	\$ - 5	ŝ -	\$ -	\$ 59 5	78	\$ 59	\$ 78	\$ 59	\$ 78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	M4	Creation of a Safety Video Library	\$ -	\$ -	\$ -	\$ -	S -	\$ -	\$ -	\$ - 5	\$ -	\$ -	\$ 50 5	65	\$ 50	\$ 65	\$ 50	\$ 65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	M5	Expanded Safety Culture Assessments	\$ -	\$ -	\$ -	\$ -	S -	\$ -	\$ -	\$ - 5	ŝ-	\$ -	\$ 45 5	60	\$ 45	\$ 60	\$ 45	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	M6	Industrial Hygiene Program Expansion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	ŝ -	\$ -	\$ 149 \$	195	\$ 149	\$ 195	\$ 149	\$ 195	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCG-Risk-5	Incident Involving an Employee	M7	Workplace Violence Prevention Program Enhancements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	\$ -	\$ -	\$ - 5	-	\$ -	\$ -	\$ -	\$ -	\$ 219	\$ 317	\$ 219	\$ 317	\$ 219	\$ 317
											1														
NOTES:											1														1

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

Tab: Units

										RECORDED	UNITS					FORECAST UNITS											
								0&M					Capital				0&N	4					Capital				
		Control / Mitigation		Units Description		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022	2022 2023		2024		2022		2023	7	2024		
RAMP Chapter ID	RAMP Chapter Name	ID	Control / Mitigation Name	Capital	M&O	2010 2017 2	2010	2023	2020	2010	2027	2020			Low High	Low	High	Low High	Low	High	Low	High	Low	High			
SCG-Risk-5	Incident Involving an Employee	C1	Employee Health and Safety Progreams and Standardized Policies		FTE	24	18	18	24	18	0	0	0	0	0	17 21	17	21	17	21	0 0	0	0	j .	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		
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		
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	1	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	1	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	1	0 (
SCG-Risk-5	Incident Involving an Employee	C7	Near Miss, Stop the Job and jobsite safety programs		FTE	24	18	18	24	18	0	0	0	0	0	17 21	17	21	17	21	0 0) (0	1	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	4	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	4	0 0		
SCG-Risk-5	Incident Involving an Employee	C10	Workplace Violence Prevention Programs	FTE	FTE	27	26	28	28	30	2	2	2	1	2	28 32	28	32	28	32	2	2	2	ž.	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	j c	0 1		
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 (
																								1			
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	اد	0 1		
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 1	0	ı	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 (
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	اد	0 1		
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	1	1 :	1	1	1		