

Risk Assessment and Mitigation Phase (Chapter SDG&E-Risk-8-WP) Incident Involving an Employee Workpapers

May 17, 2021

2021 RAMP SDG&-Risk-8-WP Risks Recorded and Forecast Costs Incurred Allocations Workpaper Tab: Incurred5 (2020 Direct 500)

		RECORDED DOLLARS										FORECAST DOLLARS															
						0&M					Capital					08						Capital					
		Control /		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	202			023		24		22		023		2024		hared Allocatio
AMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name	L					4					\$ Low	\$ High	\$ Low	\$ High		\$ High		\$ High	\$ Low	\$ High	\$ Low		gh	(Yes/No)
	volving an Employee	C1	Mandatory Employee Health and Safety Training Programs and	\$ 584			\$ 409			\$ -	\$ -	\$ -	\$ -	\$ 776				\$ 776			\$ -	\$ -	\$ -	\$.	- \$	-	No
	volving an Employee	C2	Drug and Alcohol Testing Program	\$ 228			\$ 142			\$ -	\$ -	\$ -	\$ -	\$ 171							\$ -	\$ -	\$ -	\$.	- \$	-	No
	volving an Employee	C3	Strong Safety Culture	\$ 290	\$ 188	\$ 313	\$ 246	\$ 116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 223	\$ 270			\$ 223	\$ 270	\$ -	\$ -	\$ -	\$ -	\$	- \$	-	No
	volving an Employee	C4	Employee Behavioral Accident Prevention Process Program	\$ 595	\$ 527	\$ 759	\$ 1,046	\$ 777	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 818	\$ 990	\$ 818	\$ 990	\$ 818	\$ 990	\$ -	\$ -	\$ -	\$ -	\$.	- \$	-	No
	volving an Employee	C5	A Comprehensive Environmental & Safety Compliance Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	\$	-	No
IG&E-Risk-8 Incident Inv	volving an Employee	C6	Employee Safety Communications and Awareness Programs	\$ 243	\$ 260	\$ 242	\$ 313	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$-	\$.	\$	-	No
0G&E-Risk-8 Incident Inv	volving an Employee	C7	Employee Wellness Programs	\$ 862	\$ 759	\$ 730	\$ 817	\$ 769	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 733	\$ 888	\$ 733	\$ 888	\$ 733	\$ 888	\$ -	\$ -	\$ -	\$ -	\$.	. \$	-	No
IG&E-Risk-8 Incident Inv	volving an Employee	C8	OSHA Voluntary Protection Program	\$ -	\$ -	\$ 50	\$ 11	\$ 219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475	\$ 575	\$ 475	\$ 575	\$ 475	\$ 575	\$ -	\$ -	\$ -	\$ -	\$	\$	-	No
	volving an Employee		Safe Driving Programs	\$ 131	\$ 124	\$ 267	\$ 85	\$ 94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89	\$ 108	\$ 81	\$ 98	\$ 89	\$ 108	\$ -	\$ -	\$ -	\$ -	\$.	. \$	-	No
	volving an Employee	C10	Personal Protective Equipment	\$ 96			\$ 1,322			\$ 1,510	\$ 1,461		\$ -		\$ 2,045						\$ -	\$ -	\$ -	\$	\$		No
DG&E-Risk-8 Incident Inv	volving an Employee	C11	Jobsite Safety Programs		\$ 6,953	\$ 8,974	\$ 1,969	\$ 2,750		\$ -	\$ ·	\$ 60	\$ 352	\$ 2,108		\$ 2,108					\$ 153	\$ 126	\$ 153	\$ 4	\$	486	No
DG&E-Risk-8 Incident Inv	volving an Employee	C12	Utilizing OSHA and Industry Best Practices and Industry Benchmarking	\$ 218	\$ 492	\$ 680	\$ 780	\$ 703	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 668	\$ 808	\$ 668	\$ 808	\$ 668	\$ 808	\$ -	\$ -	\$ -	\$-	\$.	- \$	-	No
			Enhanced Mandatory Employee Training (OSHA): Certified																								
			Occupational Safety Specialist, Certified Utility Safety Professional;	1	1		1	1	\$ -	1				1						1		1		1			
G&E-Risk-8 Incident Inv	volving an Employee	C13	Certified Safety Professional	\$ -	\$ -	\$ -	\$ 11	\$ 11		\$ -	\$ -	\$ -	\$ -	\$ 14	\$ 17	\$ 14	\$ 17	\$ 14	\$ 17	\$ -	\$ -	\$ -	\$ -	\$.	\$	-	No
G&E-Risk-8 Incident Inv	volving an Employee	C14	Enhanced Safety in Action Program	\$ -	\$ -	\$ -	\$ -	\$ 133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 147	\$ 178					\$ -	\$ -	\$ -	\$ -	\$.	- \$	-	No
G&E-Risk-8 Incident Inv	volving an Employee	C15	Enhanced Employee Safe Driving Training	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68	\$ 345	\$ 523	\$ 633	\$ 523	\$ 633	\$ 523	\$ 633	\$ -	\$ -	\$ -	\$ -	\$.	\$	-	No
G&E-Risk-8 Incident Inv	volving an Employee	C16	Energized Skills Training and Testing Yard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 549							\$ -	\$ -	\$ -	\$ -	\$.	. \$	-	No
			Employee Wildfire Smoke Protection – Cal/OSHA emergency																								-
DG&E-Risk-8 Incident Inv	volving an Employee	C17	regulation	\$ -	\$ -	\$ -	s -	\$ 17	ş -	\$ -	\$ -	\$ -	\$ -	\$ 16	\$ 20	\$ 16	\$ 20	\$ 16	\$ 20	\$ -	\$ -	\$ -	\$ -	\$	\$		No
			Purchasing and testing more protective respiratory protection for																								-
DG&E-Risk-8 Incident Inv	volving an Employee	M1	wildfire smoke particulates.	Ś -	Ś -	Ś -	ś -	Ś 5	ş -	s -	s -	ś -	s -	Ś 2	Ś 2	Ś 2	\$ 2	Ś 2	Ś 2	s -	ś -	s -	s -	Ś.	- s	-	No
	0		Purchasing break/rest trailers with filtered air systems to reduce											·													
DG&E-Risk-8 Incident Inv	volving an Employee	M2	wildfire smoke exposure	Ś -	s -	s -	s -	s .	ş -	s -	s -	s -	s -	\$ 143	\$ 173	\$ 143	\$ 173	\$ 143	\$ 173	s -	s -	s -	s -	\$	5		No
	0		Automate notifications and employee communications when the Air	T.	*			*			*			T					+	Ŧ	*	*	*				
			Quality Index PM2.5 reaches specific thresholds during a wildfire in	1					s -																		
DG&E-Risk-8 Incident Inv	volving an Employee	M3	our service territory	Ś -	\$ -	s -	s -	s -	*	s -	s -	s -	s -	\$ 38	Ś 46	\$ 38	\$ 46	\$ 38	\$ 46	s -	s -	s -	ś -	s .	s.	-	No
	· · · · · 6 · · · · · · · · · · · · · ·		Instructional designer support to update & convert safety training	Ľ.	-	Ť	· ·		1.	· ·	•	·	•	+						+	Ť		*				
DG&E-Risk-8 Incident Inv	volving an Employee	M4	curriculum to web based	Ś .	¢ .	¢ .	s .	\$ 10	ş -	s .	s .	¢ .	¢ .	\$ 23	\$ 28	\$ 22	\$ 31	\$ 22	\$ 31	s .	¢ .	¢ .	¢ .	ć .	ć		No
	volving an Employee	A1	Piloted Alert Driving	š .	š .	š -	š -	\$ -	s -	Ś -	š .	ś.	ś.	\$ -	\$ -	Ś -	\$ -		\$ -	š -	ś.	Ś -	š -	Š 1	.00 \$	120	No
	volving an Employee	A2	Modernizing Safety Video Library	÷ .	ś.	Ś.	\$ -	š .	Ś -	Ś.	\$.	s .	Ś.	ś.,	ŝ.	ŝ.	š .	š .	Ś .	s -	ŝ.	\$ -	\$ -			100	No
IOTES:		-1		-	, r	*	*		1	T		Ŧ	*	Ť	T	Ŧ	Ŧ	÷		Ť	· ·	T	Ŧ	T			
1] The figures provided are dire	ect charges and do not include compa	any loaders, with the ex	cception of vacation. The costs are also in 2020 dollars and have not bee	n escalated	i to 2021 an	nounts.																					
] Costs are provided, where a	vailable, for all activities regardless o	of whether a RSE analysi	s was performed.																								
] The following control is not i	included in this risk's control and miti	igation plan for 2022 - 2	2024 for reasons discussed in the Chapter narrative: C 16 - Energized Skil	Is Training a	and Testing	Yard																					

2021 RAMP SDG&E-Risk-8-WP Risks Shared Allocations Workpaper Tab: Shared Allocations (2020 Direct \$000)

				Shared Allocations						
RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Retained	SoCalGas	Sempra Energy	Other			
-			Mandatory Employee Health and Safety Training Programs and							
SDG&E-Risk-8	Incident Involving an Employee	C1	Standardized Policies	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C2	Drug and Alcohol Testing Program	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C3	Strong Safety Culture	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C4	Employee Behavioral Accident Prevention Process Program	100%	0%	0%	0%			
			A Comprehensive Environmental & Safety Compliance Management							
SDG&E-Risk-8	Incident Involving an Employee	C5	Program	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C6	Employee Safety Communications and Awareness Programs	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C7	Employee Wellness Programs	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C8	OSHA Voluntary Protection Program	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C9	Safe Driving Programs	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C10	Personal Protective Equipment	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C11	Jobsite Safety Programs	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C12	Utilizing OSHA and Industry Best Practices and Industry Benchmarking	100%	0%	0%	0%			
			Enhanced Mandatory Employee Training (OSHA): Certified							
			Occupational Safety Specialist, Certified Utility Safety Professional;							
SDG&E-Risk-8	Incident Involving an Employee	C13	Certified Safety Professional	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C14	Enhanced Safety in Action Program	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C15	Enhanced Employee Safe Driving Training	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	C16	Energized Skills Training and Testing Yard	100%	0%	0%	0%			
			Employee Wildfire Smoke Protection – Cal/OSHA emergency							
SDG&E-Risk-8	Incident Involving an Employee	C17	regulation	100%	0%	0%	0%			
			Purchasing and testing more protective respiratory protection for							
SDG&E-Risk-8	Incident Involving an Employee	M1	wildfire smoke particulates.	100%	0%	0%	0%			
			Purchasing break/rest trailers with filtered air systems to reduce							
SDG&E-Risk-8	Incident Involving an Employee	M2	wildfire smoke exposure	100%	0%	0%	0%			
			Automate notifications and employee communications when the Air							
			Quality Index PM2.5 reaches specific thresholds during a wildfire in							
SDG&E-Risk-8	Incident Involving an Employee	M3	our service territory	100%	0%	0%	0%			
			Instructional designer support to update & convert safety training							
SDG&E-Risk-8	Incident Involving an Employee	M4	curriculum to web based	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	A1	Piloted Alert Driving	100%	0%	0%	0%			
SDG&E-Risk-8	Incident Involving an Employee	A2	Modernizing Safety Video Library	100%	0%	0%	0%			

2021 RAMP SDG&E-Nisk-8-WP Risks Recorded and Forecast Costs After Allocations Workpaper Tab: After Allocations\$ (2020 Direct 500)

						RECORDED	DOLLARS						FORECAST DOLLARS												
						0&M					Capital					08	M						Capital		
		Control /		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020		2022		023	20	024		022		2023		2024
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name											\$ Lo	w \$High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High
			Mandatory Employee Health and Safety Training Programs and						¢																
SDG&E-Risk-8	Incident Involving an Employee	C1	Standardized Policies	\$ 584			\$ 409		ş -	\$ -	Ş -	ş -	ş -		776 \$ 940	\$ 776			\$ 940		ş -	\$ -	ş -	s -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C2	Drug and Alcohol Testing Program					\$ 200		\$ -	\$ -	\$ -	\$ -		171 \$ 208						\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C3		\$ 290				\$ 116		\$ -	\$ -	ş -	\$ -		223 \$ 270			\$ 223			ş -	\$ -	\$ -	ş -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C4		\$ 595	\$ 527	\$ 759	\$ 1,046	\$ 777	\$ -	\$ -	\$ -	ş -	\$ -	\$	818 \$ 990	\$ 818	\$ 990	\$ 818	\$ 990	\$ -	ş -	\$ -	\$ -	ş -	\$ -
			A Comprehensive Environmental & Safety Compliance Management																						
SDG&E-Risk-8	Incident Involving an Employee	C5	Program	\$ -	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ -	ş -	\$ -	\$	- \$ -	\$ -	s -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C6	Employee Safety Communications and Awareness Programs	\$ 243	\$ 260	\$ 242	\$ 313	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$	- \$ -	\$ -	ş -	\$ -	\$ -	\$ -	ş -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C7	Employee Wellness Programs	\$ 862	\$ 759	\$ 730	\$ 817	\$ 769	\$ -	\$ -	\$ -	ş -	\$ -	\$	733 \$ 888	\$ 733	\$ 888	\$ 733	\$ 888	\$ -	ş -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C8	OSHA Voluntary Protection Program	\$ -	ş -	\$ 50	\$ 11	\$ 219	\$ -	\$ -	\$ -	ş -	\$ -	\$	475 \$ 575			\$ 475	\$ 575	\$ -	ş -	\$ -	\$ -	ş -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C9	Safe Driving Programs	\$ 131	\$ 124	\$ 267	\$ 85	\$ 94	\$ -	\$ -	\$ -	ş -	\$ -	\$	89 \$ 108	\$ 81	\$ 98	\$ 89	\$ 108	\$ -	ş -	\$ -	\$ -	ş -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C10	Personal Protective Equipment	\$ 96	\$ 43	\$ 729	\$ 1,322	\$ 1,778	\$ 30	\$ 1,510	\$ 1,461	ş -	\$ -	\$ 1,	,689 \$ 2,045	\$ 1,689	\$ 2,045	\$ 1,689	\$ 2,045	\$ -	ş -	\$ -	\$ -	ş -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C11	Jobsite Safety Programs	\$ 5,258	\$ 6,953	\$ 8,974	\$ 1,969	\$ 2,750	\$ -	\$ -	\$ -	\$ 60	\$ 352	\$ 2,	108 \$ 2,551	\$ 2,108	\$ 2,551	\$ 2,108	\$ 2,551	\$ 126	\$ 153	\$ 126	\$ 153	\$ 40	2 \$ 486
SDG&E-Risk-8	Incident Involving an Employee	C12	Utilizing OSHA and Industry Best Practices and Industry	\$ 218	\$ 492	\$ 680	\$ 780	\$ 703	\$ -	\$ -	\$ -	\$ -	\$ -	\$	668 \$ 808	\$ 668	\$ 808	\$ 668	\$ 808	\$ -	\$ -	\$ -	\$ -	S -	\$ -
			Enhanced Mandatory Employee Training (OSHA): Certified											1											
			Occupational Safety Specialist, Certified Utility Safety Professional;						\$ -																
SDG&E-Risk-8	Incident Involving an Employee	C13	Certified Safety Professional	s -	s -	s -	\$ 11	S 11		s -	ŝ -	s -	s -	ŝ	14 S 17	\$ 14	\$ 17	S 14	\$ 17	ŝ -	s -	s -	s -	s -	s -
SDG&E-Risk-8	Incident Involving an Employee	C14	Enhanced Safety in Action Program	\$ -	\$ -	\$ -	\$ -	\$ 133	\$ -	\$ -	\$ -	\$ -	\$ -	\$	147 \$ 178	1				\$ -	\$ -	\$ -	\$ -	S -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C15	Enhanced Employee Safe Driving Training	\$ -	\$ -	\$ -	\$ -	s -	\$ -	\$ -	\$ -	\$ 68	\$ 345	\$	523 \$ 633	\$ 523	\$ 633	\$ 523	\$ 633	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-8	Incident Involving an Employee	C16	Energized Skills Training and Testing Yard	\$ -	\$ -	\$ -	\$ -	s -	\$ -	\$ -	\$ -	\$ -	\$ 549	1						\$ -	\$ -	\$ -	\$ -	S -	\$ -
			Employee Wildfire Smoke Protection – Cal/OSHA emergency																						
SDG&E-Risk-8	Incident Involving an Employee	C17	regulation	s -	s -	s -	s -	\$ 17	ş -	s -	ŝ -	s -	s -	ŝ	16 \$ 20	\$ 16	\$ 20	\$ 16	\$ 20	ŝ -	s -	s -	s -	s -	s -
			Purchasing and testing more protective respiratory protection for																						-
SDG&E-Risk-8	Incident Involving an Employee	M1	wildfire smoke particulates.	\$ -	\$ -	\$ -	\$ -	\$ 5	Ş -	\$ -	\$ -	\$ -	ş -	\$	2 \$ 2	\$ 2	\$ 2	\$ 2	\$ 2	\$ -	\$ -	\$ -	s -	s -	\$ -
			Purchasing break/rest trailers with filtered air systems to reduce																						
SDG&E-Risk-8	Incident Involving an Employee	M2	wildfire smoke exposure	s -	s -	s -	s -	s -	ş -	s -	ŝ -	s -	s -	ŝ	143 \$ 173	\$ 143	\$ 173	\$ 143	\$ 173	ŝ -	s -	s -	s -	s -	s -
			Automate notifications and employee communications when the Air																						
			Quality Index PM2.5 reaches specific thresholds during a wildfire in						s -																
SDG&E-Risk-8	Incident Involving an Employee	M3	our service territory	s -	s -	s -	s .	s -		s .	s -	s .	s .	s	38 \$ 46	\$ 38	\$ 46	\$ 38	\$ 46	s -	s -	s -	s -	s -	s -
			Instructional designer support to update & convert safety training	*			*	Ť					*					+ •••	*		*		Ŧ	Ŧ	
SDG&E-Risk-8	Incident Involving an Employee	M4	curriculum to web based	s -	s -	s -	s .	\$ 10	ş -	s .	s -	s .	s .	s	23 \$ 28	\$ 22	\$ 31	\$ 22	\$ 31	s -	s -	s -	s -	s -	s -
SDG&E-Risk-8	Incident Involving an Employee	A1		š -	š.	Š -	š .	s -	s .	š -	š -	Š.	š -	ŝ	- 5 -	s -	s -	\$ -	Ś -	Ś -	š -	Š -	\$ -	\$ 10	0 \$ 120
SDG&E-Risk-8	Incident Involving an Employee	A2	Modernizing Safety Video Library	š .	š.	Š-	š .	š -	š .	š -	š -	Š.	š -	ŝ	- 5 -	š -	Š.	š.	š .	Ś -	š -	Š -	\$ -		0 \$ 100
NOTES: [1] The figures pro	wided are direct charges and do not include con	npany loaders, with the	xception of vacation and sick. The costs are also in 2020 dollars and ha	ve not been	escalated	to 2021 am	ounts.																		
(2) Casta and annu	and others contable for all activities secondly.	f.ubathar - DCC analy	-in			1								1	1		1			1	1	1		1	
[2] Costs are provi	ded, where available, for all activities regardles	s or whether a RSE analy	sis was performed.	l	1	1	1					1	1	1		1	1	l	1	1	1	1	1	1	

2021 RAMP SDG&E-Risk-8-WP Risks Recorded and Forecast Units Workpaper Tab: Units

						RECORDED UNITS											FORECAST UNITS												
								0&M					Capital			0&M									_				
		Control /		Units Description		2016	2017	2018	2019	2020	2016	2017 2	2018	2019	2020	2022	2022 2023			2024			022		Capital	20	024		
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name	Capital		2019 202	2020	2010	2017	2010	2015	2020	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High					
		-	Mandatory Employee Health and Safety Training Programs and																								1		
SDG&E-Risk-8	Incident Involving an Employee	C1	Standardized Policies	employees	employees	4,400	4,400	4,400	4,400	4,400	-	-	-	-	-	4,400	4,800	4,400	4,800	4,400	4,800	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C2	Drug and Alcohol Testing Program	employees	employees	1,704	1,704	1,704	1,704	1,704	-	-	-	-	-	2,217	2,684	2,217	2,684	1,704	1,960		-	-	-	-			
				surveys and	surveys and																								
SDG&E-Risk-8	Incident Involving an Employee	C3	Strong Safety Culture	conferences cost	conferences cost	290	188	313	246	116	-	-	-	-	-	223	270	223	270	223	270	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C4	Employee Behavioral Accident Prevention Process Program	employees	employees	100	100	100	100	100	-	-	-	-	-	100	115	100	115	100	115		-	-	-	-			
			A Comprehensive Environmental & Safety Compliance Management																										
SDG&E-Risk-8	Incident Involving an Employee	CS	Program	employees	employees	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C6	Employee Safety Communications and Awareness Programs	employees	employees	4,400	4,400	4,400	4,400	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C7	Employee Wellness Programs	employees	employees	4,400	4,400	4,400	4,400	4,400	-	-	-	-	-	4,400	4,800	4,400	4,800	4,400	4,800	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C8	OSHA Voluntary Protection Program	VPP locations	VPP locations	-	-	-	-	3	-	-	-	-	-	3	5	3	5	3	5	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C9	Safe Driving Programs	employees	employees	2,200	2,200	2,200	2,200	2,200	-	-	-	-	-	2,200	2,400	2,200	2,400	2,200	2,400		-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C10	Personal Protective Equipment	employees	employees	4,400	4,400	4,400	4,400	4,400	-	10	10	-	-	4,400	4,800	4,400	4,800	4,400	4,800		-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C11	Jobsite Safety Programs	employees	employees	1,985	1,985	1,985	1,985	1,985	-	-	-	1	245	1,985	2,282	1,985	2,282	1,985	2,282	139	160	140	161	456	52		
				EEI & other	EEI & other																								
SDG&E-Risk-8	Incident Involving an Employee	C12	Utilizing OSHA and Industry Best Practices and Industry Benchmarking	membership fees	membership fees	218	492	680	780	703	-	-	-	-	-	703	808	703	808	703	808	-	-	-	-	-			
SDG&E-Risk-8	Incident Involving an Employee	C13	Enhanced Mandatory Employee Training (OSHA): Certified	employees	employees	-	-	-	30	30	-	-	-	-	-	30	34	30	34	30	34	-	-	-	-	-			
				professional	professional																								
SDG&E-Risk-8	Incident Involving an Employee	C14	Enhanced Safety in Action Program	services cost	services cost	-		-	-	133	-	-	-	-	-	147	178	-		-	-	-	-	-	-	-			
				vehicle																									
SDG&E-Risk-8	Incident Involving an Employee	C15	Enhanced Employee Safe Driving Training	installations	licensing cost	-					-			-	1.650	1.600	1.760	1.600	1.760	1.650	1.800			-					
SDG&E-Risk-8	Incident Involving an Employee	C16	Energized Skills Training and Testing Yard	construction cost	construction cost	-					-				549	-	-	-	-	-	-			-	-				
																											1		
				employees	employees																								
			Employee Wildfire Smoke Protection - Cal/OSHA emergency		requireing medical						-																		
SDG&E-Risk-8	Incident Involving an Employee	C17	regulation	evaluations	evaluations					650						650	747	650	747	650	747								
Stroke hisk o	incluent intolving an employee	(1)	Purchasing and testing more protective respiratory protection for	cruitorio	Croindacions					0.50						030	/4/	050	/4/	0.00	/4/								
SDG&E-Risk-8	Incident Involving an Employee	M1	wildfire smoke particulates.	replacement filter	contacoment filters						-					40	46	40	46	40	46								
3D/JOCE-RISK-0	incident involving an employee	INI1	Purchasing break/rest trailers with filtered air systems to reduce	staging area	staging area		-		-				-	-		40	40	40	40	40	40			-	-		+		
SDG&E-Risk-8	Incident Involving an Employee	M2	wildfire smoke exposure	trailers	trailers						-					10	15	10	15	10	15						1		
SDG&E-Risk-8	Incident Involving an Employee	M3	Automate notifications and employee communications when the Air	internal FTF	internal FTF	-			-				-	-		10	15	10	13	10	13			-	-		+		
SDG&F-Risk-8	Incident Involving an Employee	M4	Instructional designer support to update & convert safety training	internal FTE	internal FTE	-	-		-		-	-	-	-		0	0	0	0	0	0			-	-	-	+		
SDG&E-Risk-8	Incident Involving an Employee	M14	Piloted Alert Driving	employees	employees	-	-		-		-	-	-	-		0	U	U	U	1.650	1.800			-	-	-	+		
SDG&E-Risk-8	Incident Involving an Employee	A1 A2	Modernizing Safety Video Library	contractor	contractor	-			-	-	-		-	-	-	-	-	-	-	1,050	1,800		-	-	-	-			