

# Risk Assessment and Mitigation Phase (Chapter SDG&E-Risk-4-WP) Incident Involving a Contractor Workpapers

May 17, 2021

### 2021 RAMP SDG&F.Risk-4-WP Risk Factors Recorded and Forecast Costs Incurred Workpaper Tab: IncurredS (2020 Direct 5000)

				RECORDED DOLLARS									FORECAST DOLLARS																
				O&M							Capital					0&M							Capital						
		Control / Mitigation		2016	2017	7 2	2018	2019	2020	2016	2017	2018	18 2019	2020	202	2023			2024 2022		022	2023		2024		Shared Allocations			
AMP Chapter ID	RAMP Chapter Name	ID	Control / Mitigation Name	2010	2016 2017 2018	2018	2015	2020	2010	2017	2010	2015	2020	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	(Yes/No)			
DG&E-Risk-4 Ir	Incident Involving a Contractor	C1	Contractor Oversight Program	\$ 3	5 \$ 1	15 \$	18	\$ 974	\$ 1,14	8 \$ -	\$ -	ş -	\$ -	\$ -	\$ 1,008	\$ 1,220	\$ 1,008	\$ 1,220	\$ 1,008	\$ 1,220	ş -	\$ -	\$ - !	\$-	s -	ş -	No		
DG&E-Risk-4 Ir	Incident Involving a Contractor	C2	Field Safety Oversight	\$ -	\$ -	\$	-	\$ 267	7 \$ 43	3 \$ 73	9 \$ 76	2 \$ 78	5 \$ 2,404	\$ 3,894	\$ 500	\$ 605	\$ 500	\$ 605	\$ 500	\$ 605	\$ 4,500	\$ 5,447	\$ 4,500	\$ 5,447	\$ 4,500	\$ 5,447	No		
DG&E-Risk-4 Ir	Incident Involving a Contractor	C3	Safety Culture	\$ 1	2 \$ 1	12 \$	12	\$ 12	2 \$ -	ş -	\$ -	ş -	\$ -	\$ -	\$ 11	\$ 14	\$ 11	\$ 14	\$ 11	\$ 14	ş -	\$ -	\$ - !	\$-	s -	\$ -	No		
DG&E-Risk-4 Ir	Incident Involving a Contractor	M1	Enterprise-Wide Contractor Incident and Schedule Management	\$ -	\$ -	\$	-	ş -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ 19	\$ 23	\$ 95	\$ 115	\$ 95	\$ 115	\$ 95	\$ 115	No		
			Enhanced Verification of Class 1 Contractor Employee Specific							e																			
OG&E-Risk-4 Ir	Incident Involving a Contractor	M2	Training	ş -	\$ -	\$	-	ş -	ş -	2 -	\$ -	ş -	s -	s -	\$ -	ş -	s -	s -	\$ 38	\$ 46	\$ 190	\$ 230	\$ 190	\$ 230	\$ 190	\$ 230	No		
DG&E-Risk-4 Ir	Incident Involving a Contractor	A1	SAP Contractor Incident Portal	\$ -	\$ -	\$	-	ş -	\$ -	\$ -	\$ -	ş -	ş -	\$ -	\$ 95	\$ 115	\$ 95	\$ 115	\$ 95	\$ 115	ş -	s -	s - !	\$-	s -	ş -	No		
OG&E-Risk-4 Ir	Incident Involving a Contractor	A2	Use internal resources and tools to vet contractors for safety	\$ -	\$ -	\$	-	ş -	\$ -	\$ -	\$ -	ş -	ş -	\$ -	\$ 95	\$ 115	\$ 95	\$ 115	\$ 95	\$ 115	ş -	\$ -	\$ -	\$-	\$-	\$ -	No		
																											1		
																											1		
																											1		
OTES:																													

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

## 2021 RAMP SDG&E-Risk-4-WP Risk Factors Recorded and Forecast Costs Shared Allocations Workpaper Tab: Shared Allocations

## (2020 Direct \$000)

					Shared Allocations						
RAMP Chapter ID		Control / Mitigation ID	Control / Mitigation Name	Retained	SoCalGas	Sempra Energy	Other				
SDG&E-Risk-4	Incident Involving a Contractor	C1	Contractor Oversight Program	100%	0%	0%	0%				
SDG&E-Risk-4	Incident Involving a Contractor	C2	Field Safety Oversight	100%	0%	0%	0%				
SDG&E-Risk-4	Incident Involving a Contractor	C3	Safety Culture	100%	0%	0%	0%				
SDG&E-Risk-4	Incident Involving a Contractor	M1	Enterprise-Wide Contractor Incident and Schedule Management	100%	0%	0%	0%				
			Enhanced Verification of Class 1 Contractor Employee Specific								
SDG&E-Risk-4	Incident Involving a Contractor	M2	Training	100%	0%	0%	0%				
SDG&E-Risk-4	Incident Involving a Contractor	A1	SAP Contractor Incident Portal	100%	0%	0%	0%				
SDG&E-Risk-4	Incident Involving a Contractor	A2	Use internal resources and tools to vet contractors for safety	100%	0%	0%	0%				

## 2021 RAMP SDG&F.Risk-4-WP Risk Factors Recorded and Forecast Costs After Allocations Workpaper Tab: After Allocations\$ (2020 Direct 5000)

				RECORDED DOLLARS									FORECAST DOLLARS													
					O&M						Capital					08	M			Capital						
		Control /		2016	2016 2017 2018 2019 2020 2016			2016	2016 2017	2018	2019	2020	20	022	2	2023 2024		24			2 20		20	24		
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name											\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	
SDG&E-Risk-4	Incident Involving a Contractor	C1	Contractor Oversight Program	\$ 36	\$ 15	\$ 18	\$ 974	\$ 1,148	\$ -	\$ -	\$ -	\$ -	ş -	\$ 1,008	\$ 1,220	\$ 1,008	\$ 1,220	\$ 1,008	\$ 1,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-4	Incident Involving a Contractor	C2	Field Safety Oversight	\$ -	\$ -	\$ -	\$ 267	\$ 433	\$ 739	\$ 762	\$ 786	\$ 2,404	\$ 3,894	\$ 500	) \$ 605	\$ 500	\$ 605	\$ 500	\$ 605	\$ 4,500	\$ 5,447	\$ 4,500	\$ 5,447	\$ 4,500	\$ 5,447	
SDG&E-Risk-4	Incident Involving a Contractor	C3	Safety Culture	\$ 12	\$ 12	\$ 12	\$ 12	ş -	\$ -	\$ -	\$ -	\$ -	ş -	\$ 11	\$ 14	\$ 11	\$ 14	\$ 11	\$ 14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-4	Incident Involving a Contractor	M1	Enterprise-Wide Contractor Incident and Schedule Management	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ -	\$ -	\$ -	\$ 19	\$ 23	\$ 95	\$ 115	\$ 95	\$ 115	\$ 95	\$ 115	
			Enhanced Verification of Class 1 Contractor Employee Specific						s -																	
	Incident Involving a Contractor	M2	Training	\$ -	\$ -	\$ -	\$ -	ş -		ş -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ 38		\$ 190	\$ 230	\$ 190	\$ 230	\$ 190	\$ 230	
	Incident Involving a Contractor	A1	SAP Contractor Incident Portal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Ş -	\$ -	\$ -		\$ 115		\$ 115			\$ -	ş -	\$ -	\$ -	\$-	\$ -	
SDG&E-Risk-4	Incident Involving a Contractor	A2	Use internal resources and tools to vet contractors for safety	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95	\$ 115	\$ 95	\$ 115	\$ 95	\$ 115	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	
																								[		
																								ļ		
																								1		
NOTES:																								1		
[1] The figures prov	ided are direct charges and do not include compa	ny loaders, with the e	xception of vacation and sick. The costs are also in 2020 dollars and ha	ve not beer	escalated t	o 2021 amo	unts.																			
[2] Costs are provid	ed, where available, for all activities regardless of	whether a RSE analy	sis was performed.																							

### 2021 RAMP SDG&E-Risk-4-WP Risk Factors Recorded and Forecast Costs Units Workpaper Tab: Units

					RECORDED UNITS										FORECAST UNITS													
							0&M			Capital							180	N			Capital							
		Control / Mitigation	Units	Units Description		2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		20	23	2024		2022		2023		20	124		
RAMP Chapter ID		ID Control / Mitigation Name	Capital	0&M	2016	2017	2018	2015	2020	2010	2017	2010	2015	2020	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High		
SDG&E-Risk-4	Incident Involving a Contractor	C1 Contractor Oversight Program	FTEs	FTES				7	9			-	-	-	10	11	10	11	10	11			-	-		-		
			3rd party	3rd party																								
SDG&E-Risk-4	Incident Involving a Contractor	C2 Field Safety Oversight	contractors	contractors	-	-	-	1	2	4	4	4	13	21	3	4	3	4	3	4	8	9	8	10	8	10		
SDG&E-Risk-4	Incident Involving a Contractor	C3 Safety Culture	# of joint meeting	ngs # of joint meetings	1	1	1	1				-	-	-	4	6	4	6	4	6			-	-		-		
SDG&E-Risk-4	Incident Involving a Contractor	M1 Enterprise-Wide Contractor Incident and Schedule Management	contractor	contractor				-				-	-	-						-	1	1	1	1	1	1		
SDG&E-Risk-4	to defend to only from a financial	M2 Enhanced Verification of Class 1 Contractor Employee Specific Trainin		contractor																						_		
SD/G&E-RISK-4	Incident Involving a Contractor	M2 Enhanced Verification of Class 1 Contractor Employee specific Trainin			-	-		-	-	-	-	-	-	-		-	-	-	-	-	1	Z	1	2	1	2		
			internal IT	internal IT																								
SDG&E-Risk-4	Incident Involving a Contractor	A1 SAP Contractor Incident Portal	resources	resources	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-		
SDG&E-Risk-4	Incident Involving a Contractor	A2 Use internal resources and tools to vet contractors for safety	FTEs	FTEs				-				-	-	-	10	11	10	11	10	11			-			-		