

## Risk Assessment and Mitigation Phase (Chapter SDG&E-Risk-9-WP) Incident Related to the Medium Pressure System (Excluding Dig-in) Workpapers

May 17, 2021

## 2021 RAMP SDG&E-Risks-9-WP Risks Recorded and Forecast Costs Incurred Allocations Workpaper Tab: Incurred\$

(2020 Direct \$000)

(2020 Direct \$000)		RECORDED DOLLARS FORECAST DOLLARS																							
					0&M		KECUKDEI	DULLAKS		Capital					0&1	м		FURE	LASI DULL	AKS	Capital				
RAMP	Control /		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	202		20	23		024			2023	2024		Shared Allocations	
Chapter ID RAMP Chapter Name	Mitigation ID	Control / Mitigation Name											\$ Low	\$ High	h \$Low	\$ High	\$ Low	\$ High	\$ Low	\$ High \$ Low	\$ High	\$ Low	\$ High	(Yes/No)	Notes
SDG&E-Risk- Incident Related to the Medium Pressure System 9 (Excluding Dig-in)	C1	Cathodic Protection Program - O&M	\$ 1,967	\$ 1,862	\$ 1,921	\$ 1,968	\$ 1,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,853	\$ 2,24	\$ 1,853	\$ 2,244	\$ 1,853	\$ 2,244	\$ -	s - s -	s - s	- 5	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System	-	Cathodic Frotecadii Fograni - Own	٠.			c		£ 1 000	\$ 2,834	¢ 2.702	\$ 4,961	\$ 3,672		e				٠.	C E 401	\$ 6,538 \$ 5,932	C 7101 C	6,463 \$	7 922		
9 (Excluding Dig-in) SDG&E-Risk- Incident Related to the Medium Pressure System	C2	Cathodic Protection Program - Capital	7	7	7	7	,	7 1,500	3 2,034	5 5,702	J 4,301			-	,	,	7	7						No	
9 (Excluding Dig-in)	C3	Piping in Vaults Replacement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,869	\$ 3,473 \$ 2,869	\$ 3,473 \$	2,869	3,473	No	
SDG&E-Risk- Incident Related to the Medium Pressure System 9 (Excluding Dig-in)	C4	Regulator station, Valve, and Large Meter Set	\$ 3,639	\$ 3,965	\$ 4,613	\$ 4,273	\$ 4,502	ş -	\$ -	\$ -	\$ -	\$ -	\$ 4,240	\$ 5,13	32 \$ 4,240	\$ 5,132	\$ 4,240	\$ 5,132	\$ -	s - s -	s - s	- 9	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System		Inspection Regulator Station Replacements	e			c		c	c										\$ 1,800	\$ 2,300 \$ 1,800	\$ 2,300 \$	1,800 \$	2,300		+
9 (Excluding Dig-in)	CS		3 -	ş ·	3 -	<b>3</b> -	3 -	<b>3</b> -	3 -	3 -	, .	3 -	, .	, .	, .	<b>3</b> -	, .	ş -	3 1,000	3 2,300 3 1,800	3 2,300 3	1,000 3	2,300	No	
SDG&E-Risk- Incident Related to the Medium Pressure System 9 (Excluding Dig-in)	C6	Leak Repair	\$ 1,884	\$ 673	\$ 1,268	\$ 1,448	\$ 1,401	\$ 2,719	\$ 7,308	\$ 7,707	\$ 7,760	\$ 9,500	\$ 1,331	\$ 1,61	11 \$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 8,956	\$ 10,841 \$ 8,956	\$ 10,841 \$	8,956	10,841	No	
SDG&E-Risk- Incident Related to the Medium Pressure System		Pipeline Monitoring (Leak Mitigation, Bridge & Span,	\$ 1,988	\$ 2,349	\$ 2,264	\$ 2,708	\$ 2,901	s -	s -	\$ -	\$ -	\$ -	\$ 2,756	\$ 3,33	36 \$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ -	s - s -	s - s	- 5		No	
9 (Excluding Dig-in) SDG&E-Risk- Incident Related to the Medium Pressure System	C/	Unstable Earth, and Pipeline Patrol Underperforming Steel Replacement Program -																						No	+
9 (Excluding Dig-in)	C8-T1	Threaded Main (pre- 1933 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,757	\$ 10,601 \$ 8,757	\$ 10,601 \$	8,757 \$	10,601	No	
SDG&E-Risk- Incident Related to the Medium Pressure System 9 (Excluding Dig-in)	C8-T2	Underperforming Steel Replacement Program (1934- 1965 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,863	\$ 1,588	\$ -	\$ 3,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,935	\$ 8,395 \$ 6,935	\$ 8,395 \$	6,935	8,395	No	
SDG&E-Risk- Incident Related to the Medium Pressure System		Underperforming Steel Replacement Program -	ς .	ς -	ς .	ς -	ς .	\$ 3,813	\$ 9,200	\$ 4729	\$ 1,935	\$ 1,040	ς .	ς.	ς -	ς .	ς.	ς .	\$ 3 389	\$ 4,102 \$ 3,389	\$ 4,102 \$	3,389 \$	4,102		
9 (Excluding Dig-in)  SDG&E-Risk- Incident Related to the Medium Pressure System	C8-T3	Other Steel (Post 1965 vintage)  Early Vintage Program (Components) - Oil Drip Piping	*		*		*	,	,	¥ 1,125	,	-		-		*	*		-					No	
9 (Excluding Dig-in)	C9-T1	Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,001	\$ 3,633 \$ 1,900	\$ 2,300 \$	1,900 \$	2,300	No	
SDG&E-Risk- Incident Related to the Medium Pressure System  9 (Excluding Dig-in)	C9-T2	Early Vintage Program (Components) - Dresser	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,942	\$ 3,562 \$ 2,942	\$ 3,562 \$	2,942 \$	3,562	No	
SDG&E-Risk- Incident Related to the Medium Pressure System	C5-12	Mechanical Coupling Removal Early Vintage Program (Components) - Removal of				c		c	c	e	\$ 33	\$ 448		e				c	\$ 735	\$ 890 \$ -				NO	
9 (Excluding Dig-in)	C9-T3	Closed Valves Between High/Medium Zones	3 -	ş ·	3 -	<b>3</b> -	3 -	<b>3</b> -	3 -	3 -	2 33	3 446	, .	, .	ş ·	<b>3</b> -	<b>3</b> -	ş -	\$ 755	3 830 3 -	3 - 3		, .	No	
SDG&E-Risk- Incident Related to the Medium Pressure System 9 (Excluding Dig-in)	C10	Code Compliance Mitigation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 857	\$ 2,104	\$ 2,391	\$ 1,014	\$ 1,278	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,967	\$ 2,381 \$ 1,967	\$ 2,381 \$	1,967	2,381	No	
SDG&E-Risk- Incident Related to the Medium Pressure System	C11	Gas Distribution Emergency Department	\$ - \$ -	\$ 966	\$ 2,374	\$ 2,138			\$ -	\$ -	\$ -			\$ 3,13	38 \$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138		\$ - \$ -	s - s	- 5	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System SDG&E-Risk- Incident Related to the Medium Pressure System	C12	Cathodic Protection System Enhancements Human Factors Mitigations - Gas Handling Plans	s -	\$ -	\$ -	\$ -	\$ - \$ -	\$ 1,2/3	\$ 5,976	\$ 8,743	\$ 1,349	\$ 1,249		\$ -	\$ -	7	\$ -	\$ -		\$ 1,203 \$ 994		994 \$		No No	+
SDG&E-Risk- Incident Related to the Medium Pressure System		Human Factors Mitigations - Operator Qualification	· -	· -	\$ 1,479		\$ 2,117					\$ 579		-	*	*					\$ 506 \$	418 5			<del> </del>
9 (Excluding Dig-in)  SDG&E-Risk- Incident Related to the Medium Pressure System	C14	Training and Certification  Human Factors Mitigations - QA/QC Program -	\$ 1,303				3 2,117	3 400	3 333	3 880	3 440	3 3/3		-		-			-	3 300 3 410	3 300 3	410 3	5 300	No	
9 (Excluding Dig-in)	C15	Mandated Activities	\$ -	\$ 268	\$ 284	\$ 105	\$ 270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 342	\$ 41	14 \$ 342	\$ 414	\$ 342	\$ 414	\$ -	\$ - \$ -	s - s	- \$	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System	CAC TA		\$ 1,365	\$ 1,725	\$ 1,590	\$ 1,690	\$ 2,680	\$ 25,977	\$ 38,544	\$ 35,483	\$ 41,322	\$ 40,367	\$ 1,283	\$ 1,29	98 \$ 1,236	\$ 1,238	\$ 1,187	\$ 1,176	\$ 48,735	\$ 56,430 \$ 51,585	\$ 59,730 \$	57,285 \$	66,330		SDG&E costs are not shared; however, SCG shared services at
9 (Excluding Dig-in)	C16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan																						No	allocated to SDG&E SDG&E costs are not shared; however, SCG shared services ar
SDG&E-Risk- Incident Related to the Medium Pressure System			\$ 2,195	\$ 4,475	\$ 360	\$ 45	\$ 10	\$ -	\$ -	\$ -	\$ 490	\$ 1,445	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - \$ -	s - s	- \$	-		allocated to SDG&E
9 (Excluding Dig-in)	C16-T2	DIMP: Replace Balance of CP Daisy Chained Services CCM Distribution Field Asset Real Time Monitoring																	-					No	Project in-service 2021
SDG&E-Risk- Incident Related to the Medium Pressure System		and Control Site Installations/Upgrades & New	\$ -	\$ -	\$ -	\$ -	s -	\$ -	s -	\$ -	\$ -	\$ -	\$ 265	\$ 38	82 \$ 265	\$ 382	\$ 265	\$ 382	\$ 3,444	\$ 4,975 \$ 4,941	\$ 7,137 \$	4,034	5,827		
9 (Excluding Dig-in) SDG&E-Risk- Incident Related to the Medium Pressure System	C17	Control Room Technologies									-			_										No	
9 (Excluding Dig-in)	C18	Gas Public Safety Communications	\$ 210	\$ 127	\$ (1)	\$ 169	\$ 2,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,395	\$ 3,45	59 \$ 2,395	\$ 3,459	\$ 2,395	\$ 3,459	\$ -	\$ - \$ -	s - s	- \$	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System	cuo	Field and Public Safety	\$ 9,596	\$ 10,537	\$ 10,672	\$ 10,740	\$ 9,694	\$ 432	\$ 480	\$ 698	\$ 642	\$ 568	\$ 9,209	\$ 11,63	33 \$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 541	\$ 654 \$ 541	\$ 654 \$	541 \$	654	No	
9 (Excluding Dig-in)  SDG&E-Risk- Incident Related to the Medium Pressure System	C19	Natural Gas Appliance Testing (NGAT) or Carbon									1.													NO	+
9 (Excluding Dig-in)	C20	Monoxide Testing	\$ 157	\$ 170	\$ 177	\$ 186	\$ 111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105	\$ 32	22 \$ 105	\$ 322	\$ 105	\$ 322	\$ -	5 - 5 -	\$ - \$	- \$	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System 9 (Excluding Dig-in)	C21	CSF Quality Assurance (QA) Program	\$ 79	\$ 70	\$ 82	\$ 155	\$ 65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 184	\$ 22	23 \$ 185	\$ 224	\$ 185	\$ 224	\$ -	s - s -	s - s	- \$	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System		Safety Control Valves	\$ -	s -	\$ -	\$ -	s -	\$ -	s -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	s -	\$ -	\$ 2,282	\$ 2,915 \$ 2,282	\$ 2,915 \$	2,282 \$	2,915		
9 (Excluding Dig-in) SDG&E-Risk- Incident Related to the Medium Pressure System	wll	Cathodic Protection System Enhancements – Real	l	<u> </u>	1.					1.	+		<del> </del>	t. –	1		l .	<del> </del>	-					No	+
9 (Excluding Dig-in)	M2	Time Monitoring	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700	\$ 3,450 \$ -	s - s	- 5	-	No	
SDG&E-Risk- Incident Related to the Medium Pressure System  9 (Excluding Dig-in)	M3	Replace Curb Valves with EFVs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,408	\$ 2,915 \$ 2,408	\$ 2,915 \$	2,408	2,915	No	
SDG&E-Risk- Incident Related to the Medium Pressure System		Post-Training Follow-up Field Evaluation	٠.	٠.	٠.	٠.	٠.	٠.	٠.	٠.	٠.	٠.	S 14	\$ 2	20 S 14	\$ 20	S 14	\$ 20	٠.						
9 (Excluding Dig-in)  SDG&E-Risk- Incident Related to the Medium Pressure System	A1	8	*		*		*		*			*		-					Ļ.	, ,				No	<del></del>
9 (Excluding Dig-in)	A2	Soil Sampling Program	\$ -	\$ -	\$ -	\$ -	s -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,690	\$ 5,33	30 \$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	\$ -	s - s -	s - s	- \$	-	No	
				1	1					1	1							1 -	1		1 T	T			
							1				1	1				l	l		1						
NOTES:	1		l			1	ļ	-	ļ	-					1						<del> </del>				
[1] The figures provided are direct charges and do not include co	so in 2020 d	ollars and I	nave not bee	n escalated	to 2021 amo	ounts.			1																
[2] Costs are provided, where available, for all activities regardles	s of whether a RS	E analysis was performed.																							
										1	1														1
[3] The following mitigation is not included in this risk's control ar	d mitigation plan	tor 2022 - 2024 for reasons discussed in the Chapter n	arrative: C1	.6-T2: DIME	: Replace Ba	ance of CP	Daisy Chain	Services			1	1		1		L	L	1	4					l	4

2021 RAMP SDG&E-Risk-9-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	Notes
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C1	Cathodic Protection Program - O&M	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C2	Cathodic Protection Program - Capital	100%	0%	0%	0%	
SEGGE HISK S	Incident Related to the Medium Pressure System		eaglia.	100%	0,0	070	0,0	
SDG&E-Risk-9	(Excluding Dig-in)	C3	Piping in Vaults Replacement Program	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C4	Regulator station, Valve, and Large Meter Set Inspection	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C5	Regulator Station Replacements	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System		·					
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C6	Leak Repair Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth,	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	C7	and Pipeline Patrol	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System		Underperforming Steel Replacement Program -Threaded Main (pre-					
SDG&E-Risk-9	(Excluding Dig-in)	C8-T1	1933 vintage)	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	100%	0%	0%	0%	
3DG&L-NISK-3	Incident Related to the Medium Pressure System	C6-12	Underperforming Steel Replacement Program - Other Steel (Post 1965)	100%	078	0/0	078	
SDG&E-Risk-9	(Excluding Dig-in)	C8-T3	vintage)	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System			1000/	001			
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C9-T1	Early Vintage Program (Components) - Oil Drip Piping Removal Early Vintage Program (Components) - Dresser Mechanical Coupling	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	C9-T2	Removal	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System		Early Vintage Program (Components) - Removal of Closed Valves					
SDG&E-Risk-9	(Excluding Dig-in)	C9-T3	Between High/Medium Zones	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C10	Code Compliance Mitigation	100%	0%	0%	0%	
SDOGE MISK S	Incident Related to the Medium Pressure System	CIO	code compilance wingution	10070	070	070	070	
SDG&E-Risk-9	(Excluding Dig-in)	C11	Gas Distribution Emergency Department	100%	0%	0%	0%	
CDCS F Di-I-O	Incident Related to the Medium Pressure System	C4.2	Cathadia Bastastian Costana Falancana	1000/	00/	00/	00/	
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C12	Cathodic Protection System Enhancements	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	C13	Human Factors Mitigations - Gas Handling Plans	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System		Human Factors Mitigations - Operator Qualification Training and					
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C14	Certification	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	C15	Human Factors Mitigations - QA/QC Program - Mandated Activities	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan	100%	0%	0%		100% of SDG&E costs are retained by SDG&E however, SCG has shared services that are allocated to SDG&E
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C16-T2	DIMP: Replace balance of CP Daisy Chained Services	100%	0%	0%	0%	100% of SDG&E costs are retained by SDG&E however, SCG has shared services that are allocated to SDG&E
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C17	CCM Distribution Field Asset Real Time Monitoring and Control Site Installations/Upgrades & New Control Room Technologies	100%	0%	0%	0%	
SDOCKE MISK S	Incident Related to the Medium Pressure System	CIT	installations/ opgrades & New Control Nooth Technologies	10070	070	070	070	
SDG&E-Risk-9	(Excluding Dig-in)	C18	Gas Public Safety Communications	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C19	Field and Dublic Cofee.	1000/	00/	00/	00/	
SDG&E-RISK-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C19	Field and Public Safety	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	C20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System							
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C21	CSF Quality Assurance (QA) Program	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	M1	Safety Control Valves	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System							
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	M2	Cathodic Protection System Enhancements – Real Time Monitoring	100%	0%	0%	0%	
SDG&E-Risk-9	(Excluding Dig-in)	M3	Replace Curb Valves with EFVs	100%	0%	0%	0%	
	Incident Related to the Medium Pressure System	-						
SDG&E-Risk-9	(Excluding Dig-in)	A1	Post-Training Follow-up Field Evaluation	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A2	Soil Sampling Program	100%	0%	0%	0%	
PDGKT-KISK-3	(Exclosing Dig-III)	n4	Jon Jamping Flogram	100%	υ%	U%	υ%	

2021 RAMP SDG&E-Risk-9-WP Risks Recorded and Forecast Costs After Allocations Workpaper Tab: After Allocations\$

(2020 Direct \$000)																								
						O&M		RECORDE	DOLLARS		Capital					0&			FOREC	AST DOLLA	RS	Capital		
		Control /		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	202	22		123	2	024	21	122	2023		2024
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name	2010	2017	2016	2019	2020	2010	2017	2018	2019	2020	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High \$	Low \$ High	\$ Low	\$ High
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	CI	Cathodic Protection Program - O&M	\$ 1.967	\$ 1.862	\$ 1.921	\$ 1.968	\$ 1.964	ė	ć	e	ė	ė	Ś 1.853	\$ 2,244	\$ 1,853	\$ 2,244	\$ 1,853	\$ 2.244	e	e e	e	ė	ė
3DGGC-NISK-3	Incident Related to the Medium Pressure System	CI	Cathodic Protection Program - Oxivi	\$ 1,967	\$ 1,002	\$ 1,921	\$ 1,908	\$ 1,964	ş -	<b>,</b> -	<b>&gt;</b> -	ş -	ş -	\$ 1,055	\$ 2,244	\$ 1,000	\$ 2,244	\$ 1,000	\$ 2,244	5 -	3 - 3	- 3 -	ş -	
SDG&E-Risk-9	(Excluding Dig-in)	C2	Cathodic Protection Program - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,988	\$ 2,834	\$ 3,702	\$ 4,961	\$ 3,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,401	\$ 6,538 \$	5,932 \$ 7,18	1 \$ 6,4	63 \$ 7,823
	Incident Related to the Medium Pressure System																						1.	
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C3	Piping in Vaults Replacement Program	\$ -	ş -	\$ -	ş -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ 2,869	\$ 3,473 \$	2,869 \$ 3,47	3 \$ 2,8	69 \$ 3,473
SDG&E-Risk-9	(Excluding Dig-in)	C4	Regulator station, Valve, and Large Meter Set Inspection	\$ 3,639	\$ 3,965	\$ 4.613	\$ 4.273	\$ 4,502	s -	s -	s -	s -	s -	\$ 4,240	\$ 5.132	\$ 4.240	\$ 5.132	\$ 4.240	\$ 5.132	s -	s - s		\$ -	s -
	Incident Related to the Medium Pressure System			V 0,000	7 0,500	7 7,020	7 .,210	4 .,	-		*	-		7 7,210	¥ 3,232	4 1,210	¥ 0,102	¥ 1,210	7 0/-02			Ť	1	1
SDG&E-Risk-9	(Excluding Dig-in)	C5	Regulator Station Replacements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$ 2,300 \$	1,800 \$ 2,30	0 \$ 1,8	00 \$ 2,300
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	ce	Leak Renair	\$ 1,884	\$ 673	\$ 1.268	\$ 1448	\$ 1,401	\$ 2,719	\$ 7,308	ć 7.707	\$ 7,760	\$ 9,500	\$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 8.956	\$ 10.841 \$	8,956 \$ 10,84	1 \$ 8,9	56 S 10.841
JDG&L-NISK-9	Incident Related to the Medium Pressure System	CO	Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth,	\$ 1,004	\$ 0/3	\$ 1,200	3 1,446	\$ 1,401	\$ 2,/19	\$ 7,3U6	\$ 7,707	\$ 7,760	\$ 9,500	\$ 1,331	\$ 1,011	\$ 1,331	\$ 1,011	\$ 1,331	3 1,011	\$ 6,930	\$ 10,641 \$	8,956 \$ 10,64	1 5 6,9:	.6 3 10,641
SDG&E-Risk-9	(Excluding Dig-in)	C7	and Pipeline Patrol	\$ 1,988	\$ 2,349	\$ 2,264	\$ 2,708	\$ 2,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ -	\$ - \$	- \$ -	\$ -	\$ -
	Incident Related to the Medium Pressure System		Underperforming Steel Replacement Program -Threaded Main (pre-																					
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C8-T1	1933 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,757	\$ 10,601 \$	8,757 \$ 10,60	1 \$ 8,7	57 \$ 10,601
SDG&E-Risk-9	(Excluding Dig-in)	C8-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	s -	s -	s -	s -	s -	s -	\$ 1.863	\$ 1.588	s -	\$ 3.754	\$ -	s -	\$ -	s -	s -	s -	\$ 6.935	\$ 8,395 \$	6.935 \$ 8.39	5 5 69	35 \$ 8.395
SDOGE HISK S	Incident Related to the Medium Pressure System	CO 12	Underperforming Steel Replacement Program - Other Steel (Post	,	7	7	7	7	,	7 1,005	7 1,500	,	y 3,734	7	7	7	7	7	Ť	ŷ 0,555	ŷ 0,333 ŷ	0,555 \$ 0,5.	3 9 0,5.	3 0,555
SDG&E-Risk-9	(Excluding Dig-in)	C8-T3	1965 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,813	\$ 9,200	\$ 4,729	\$ 1,935	\$ 1,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,389	\$ 4,102 \$	3,389 \$ 4,10	2 \$ 3,3	89 \$ 4,102
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C9-T1											\$ 193								\$ 3.633 \$	1.900 S 2.30		
SDG&E-RISK-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C9-11	Early Vintage Program (Components) - Oil Drip Piping Removal Early Vintage Program (Components) - Dresser Mechanical Coupling	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,001	\$ 3,633 \$	1,900 \$ 2,30	0 \$ 1,9	00 \$ 2,300
SDG&E-Risk-9	(Excluding Dig-in)	C9-T2	Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,942	\$ 3,562 \$	2,942 \$ 3,56	2 \$ 2,9	42 \$ 3,562
	Incident Related to the Medium Pressure System		Early Vintage Program (Components) - Removal of Closed Valves																					
SDG&E-Risk-9	(Excluding Dig-in)	C9-T3	Between High/Medium Zones	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33	\$ 448	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 735	\$ 890 \$	- \$ -	\$ -	\$ -
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C10	Code Compliance Mitigation	e	ė	é	e	e	\$ 857	6 2 104	¢ 2 201	\$ 1,014	ć 1 270	ė	e	ė	ė	e	ė	\$ 1,967	\$ 2.381 \$	1,967 \$ 2,38	1 6 10	67 \$ 2,381
3DGGC-NISK-3	Incident Related to the Medium Pressure System	CIO	Code Compilance Widgation	ş -	ş -	ş -	ş -	<b>3</b> -	\$ 657	\$ 2,104	\$ 2,391	\$ 1,014	\$ 1,278	<b>3</b> -	ş -	<b>3</b> -	ş -	<b>&gt;</b> -	3 -	\$ 1,967	\$ 2,381 \$	1,967 \$ 2,30	1 5 1,91	./ \$ 2,361
SDG&E-Risk-9	(Excluding Dig-in)	C11	Gas Distribution Emergency Department	\$ -	\$ 966	\$ 2,374	\$ 2,138	\$ 2,709	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138	\$ -	\$ - \$	- \$ -	\$ -	\$ -
	Incident Related to the Medium Pressure System																						1.	
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C12	Cathodic Protection System Enhancements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,273	\$ 5,976	\$ 8,743	\$ 1,349	\$ 1,249	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ 994	\$ 1,203 \$	994 \$ 1,20	3 \$ 9	94 \$ 1,203
SDG&E-Risk-9	(Excluding Dig-in)	C13	Human Factors Mitigations - Gas Handling Plans	s -	s -	\$ -	s -	s -	\$ 17	\$ 17	\$ 17	\$ 17	\$ 286	\$ -	s -	\$ -	s -	s -	s -	\$ 265	\$ 338 \$	332 \$ 42	4 5 4	01 \$ 512
	Incident Related to the Medium Pressure System		Human Factors Mitigations - Operator Qualification Training and		-	1	1					7	7 200					*	Ť					
SDG&E-Risk-9	(Excluding Dig-in)	C14	Certification	\$ 1,505	\$ 1,640	\$ 1,479	\$ 1,714	\$ 2,117	\$ 466	\$ 999	\$ 886	\$ 440	\$ 579	\$ 2,100	\$ 2,542	\$ 2,223	\$ 2,691	\$ 2,347	\$ 2,841	\$ 418	\$ 506 \$	418 \$ 50	6 \$ 4:	18 \$ 506
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C15	Human Factors Mitigations - QA/QC Program - Mandated Activities		4 200			4 270										4 242						
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C16-T1		\$ 1367	\$ 268	\$ 284		\$ 270	\$ 25.977	\$ 38 544	\$ 35.483	\$ 41 322	\$ 40.367	\$ 342	\$ 414	\$ 342	\$ 414	\$ 342		\$ 48 735	\$ 56.430 \$ 5	1.585 \$ 59.73	0 \$ 57.2	85 \$ 66.330
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C16-T2		\$ 2.193						\$ -	\$ 33,463		\$ 1,445		\$ -	\$ -	\$ -	\$ 2,030	\$ -	\$ -	\$ - \$	- \$	\$ \$ 37,28	- \$ -
	Incident Related to the Medium Pressure System		CCM Distribution Field Asset Real Time Monitoring and Control Site																					
SDG&E-Risk-9	(Excluding Dig-in)	C17	Installations/Upgrades & New Control Room Technologies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 265	\$ 382	\$ 265	\$ 382	\$ 265	\$ 382	\$ 3,444	\$ 4,975 \$	4,941 \$ 7,13	7 \$ 4,0	34 \$ 5,827
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C18	Gas Public Safety Communications	\$ 210	S 127	\$ (1)	\$ 169	\$ 2.661	٠.	¢ .	¢ .	٠.	٠.	\$ 2,395	\$ 3,459	\$ 2,395	\$ 3,459	\$ 2.395	\$ 3,459	٠.	۹ . ۹		٠.	٠ .
	Incident Related to the Medium Pressure System			7 110	y 11.7	y (1)	J 103	7 1,001	,	7	7	,	,	Ų 2,333	7 3,433	7 2,333	7 3,433	7 2,333	7 3,433	7	, ,	1	7	
SDG&E-Risk-9	(Excluding Dig-in)	C19	Field and Public Safety	\$ 9,596	\$ 10,537	\$ 10,672	\$ 10,740	\$ 9,694	\$ 432	\$ 480	\$ 698	\$ 642	\$ 568	\$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 541	\$ 654 \$	541 \$ 65	4 \$ 5	41 \$ 654
SDG&E-Risk-9	Incident Related to the Medium Pressure System																						١.	
SDG&E-RISK-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	C20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	\$ 157	\$ 170	\$ 177	\$ 186	\$ 111	\$ -	\$ -	5 -	\$ -	\$ -	\$ 105	\$ 322	\$ 105	\$ 322	\$ 105	\$ 322	\$ -	\$ - \$	- \$ -	\$ -	\$ -
SDG&E-Risk-9	(Excluding Dig-in)	C21	CSF Quality Assurance (QA) Program	\$ 79	\$ 70	\$ 82	\$ 155	\$ 65	ś-	Ś-	Ś-	ś-	Ś-	\$ 184	\$ 223	\$ 185	\$ 224	Ś 185	\$ 224	ś -	s - s	- s -	ŝ -	ś -
	Incident Related to the Medium Pressure System																					1		
SDG&E-Risk-9	(Excluding Dig-in)	M1	Safety Control Valves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,282	\$ 2,915 \$	2,282 \$ 2,93	5 \$ 2,2	82 \$ 2,915
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M2	Cathodic Protection System Enhancements – Real Time Monitoring	e	e	ė	e	e	ė	e	e	ė	e	ė	e	ė	e	e	ė	\$ 2.700	\$ 3,450 \$	e	e	e
DEGICE-NISK-3	Incident Related to the Medium Pressure System	·····	estinosie i rotection system cimancements – near riffle Monitoring	. ·	, ·	- د	, -	, -	٠ ډ	, -	, -	٠. د	. ·	, -	, -	· ·	٠ د	, -	3 -	2,/00 د	\$ 3,450 \$	- > -	3 -	+3 -
SDG&E-Risk-9	(Excluding Dig-in)	M3	Replace Curb Valves with EFVs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,408	\$ 2,915 \$	2,408 \$ 2,93	5 \$ 2,40	08 \$ 2,915
	Incident Related to the Medium Pressure System																							
SDG&E-Risk-9	(Excluding Dig-in) Incident Related to the Medium Pressure System	A1	Post-Training Follow-up Field Evaluation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14	\$ 20	\$ 14	\$ 20	\$ 14	\$ 20	\$ -	\$ - \$	- \$ -	\$ -	\$ -
SDG&E-Risk-9	(Excluding Dig-in)	A2	Soil Sampling Program	ś -	ś -	ś -	ś -	ś -	ś -	ś -	ś -	ś -	ś -	\$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	ś -	\$ - \$	- s -	ś -	ś -
NOTES:	1 0 0 0 0 0	1				Ĺ	ľ.			•	•	Ė		. 2,550	. 5,550	. 2,230	,	,-50	, 2,230	i -	. ,	Ť	1	+
[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 no						021 amount	S.																	+
[2] Costs are provided, where available, for all activities regardless of whether a RSE analysis was performed.																								
[3] The following m	itigation is not included in this risk's control and mitiga	ation plan for 2022 - 2	2024 for reasons discussed in the Chapter narrative: C16-T2: DIMP: Rep	lace Balance	of CP Dais	y Chain Sen	vices												1					

						RECORDED UNITS									FORECAST UNITS												
								0&M					Capital					0&M	1						Capital		
		Control /		Units Description		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	20	22	20	23	20	024	20	122		2023	2	124
RAMP Chapter ID	RAMP Chapter Name	Mitigation ID	Control / Mitigation Name	Capital	0&M	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	1	Cathodic Protection Program - O&M	N/A	# of trouble orders	1,629	964	1,405	1,330	1.387	_		_			1,305	1.580	1,305	1,580	1.305	1.580	.'	- '		_	L.	_
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	2	Cathodic Protection Program - Capital	# of deep well anode bed							62	40	24	52	39			_				46	55	46	55	46	55
	Incident Related to the Medium Pressure System		-		1900																						
SDG&E-Risk-9	(Excluding Dig-in) C: Incident Related to the Medium Pressure System	3	Piping in Vaults Replacement Program	# of projects	N/A # of inspections and related	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	19	23	19	23	19	23
SDG&E-Risk-9	(Excluding Dig-in) C4 Incident Related to the Medium Pressure System	4	Regulator station, Valve, and Large Meter Set Inspection	N/A # of regluator stations	mainenance	812	830	731	825	1,022	-	-	-			816	988	816	988	816	988	<u> </u>	_		-	-	-
SDG&E-Risk-9	(Excluding Dig-in)	5	Regulator Station Replacements	replaced	N/A	-	-	-	-	-	-	-	-		-	-			-	-	-	4	5	4	5	4	5
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	6	Leak Repair	# of projects	# of projects	510	748	785	647	633	736	388	433	697	564	601	728	601	728	601	728	536	649	536	649	536	649
	Incident Related to the Medium Pressure System		Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth,								750	300	433	037	304									330	043	330	
SDG&E-Risk-9	(Excluding Dig-in) C: Incident Related to the Medium Pressure System	7	and Pipeline Patrol Underperforming Steel Replacement Program -Threaded Main (pre-	N/A	# of inspections/surveyes	1,129	1,128	1,060	990	941	-		-		-	894	1,082	894	1,082	894	1,082	$\vdash$		-	<del></del>		
SDG&E-Risk-9	(Excluding Dig-in) CS Incident Related to the Medium Pressure System	8-T1	1933 vintage)	# of feet	N/A	-	-	-	-	-	-		-	-	1,584	-	-	-	-	-	-	63,001	76,265	63,001	76,265	63,001	76,265
SDG&E-Risk-9	(Excluding Dig-in)	8-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	# of feet	N/A			-				14,528	12,383		10,560				-	-	-	49,892	60,396	49,892	60,396	49,892	60,396
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	8-T3	Underperforming Steel Replacement Program - Other Steel (Post 1965 vintage)	# of feet	N/A						11,227	43,385	29,767	5,628	1,718	-	-			-		24,379	29,511	24,379	29,511	24,379	29,511
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	9-T1	Early Vintage Program (Components) - Oil Drip Piping Removal	# of projects	N/A		_	_			_		_	_	3					_	_	50	61	32	38	32	38
	Incident Related to the Medium Pressure System		Early Vintage Program (Components) - Dresser Mechanical Coupling																								
SDG&E-Risk-9	(Excluding Dig-in) CS Incident Related to the Medium Pressure System	9-T2	Removal  Early Vintage Program (Components) - Removal of Closed Valves	# of projects	N/A	-	-	-	-	-	-		-		11	-	-	-	-	-	-	20	24	20	24	20	24
SDG&E-Risk-9	(Excluding Dig-in) CS Incident Related to the Medium Pressure System	9-T3	Between High/Medium Zones	# of projects	N/A	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	4	5	-	-	-	-
SDG&E-Risk-9	(Excluding Dig-in)	10	Code Compliance Mitigation	# of projects	N/A						695	500	887	1,053	1,364				-			945	1,144	945	1,144	945	1,144
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	11	Gas Distribution Emergency Department	N/A	# of responses		538	1.517	1.290	1 032	_		_	_	_	1.216	1.472	1.216	1.472	1.216	1.472	.'		_			_
SDG&E-Risk-9	Incident Related to the Medium Pressure System		Cathodic Protection System Enhancements	# of projects	N/A			-,	2,232	-,,,,,,	85	326	422	35	18	-,	-,	-,		-,	2,	45	55	45	55		55
	Incident Related to the Medium Pressure System					-	-	-	-	-	85	326	422	35		-		-	-	-	-	46		46		46	
SDG&E-Risk-9	(Excluding Dig-in)	13	Human Factors Mitigations - Gas Handling Plans	# of projects # of employees /	N/A	-	-	-	-	-	23	23	23	23	386	-	-	-	-	-	-	500	638	630	805	761	972
	Incident Related to the Medium Pressure System		Human Factors Mitigations - Operator Qualification Training and	contractors trained /	# of employees/contractors																	'	1			Į.	
SDG&E-Risk-9	(Excluding Dig-in) C: Incident Related to the Medium Pressure System	14	Certification	certified	trained/certified # of internal QA/QC field	390	550	410	432	651	390	500	410	432	651	625	757	669	810	712	861	625	757	669	810	712	861
SDG&E-Risk-9	(Excluding Dig-in) C1	15	Human Factors Mitigations - QA/QC Program - Mandated Activities		audits	-	-	59	166	239	-	-	-	-	-	227	275	227	275	227	275	- '	- '	-		- 1	-
SDG&E-Risk-9	Incident Related to the Medium Pressure System C1	16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan	# of miles	N/A	-	-	-	-	-	24	35	40	46	51	-	-	-	-	-	-	44	54	46	56	50	60
																						'	1 '			l	
SDG&E-Risk-9	Incident Related to the Medium Pressure System C1	16-T2	DIMP: Replace Balance of CP Daisy Chained Services	# of risers Control: No. of sites	# of risers Control: No. of sites		44,426	5,018	698	-	-		-	10	65	-	-	-	-	- Control:	- Control:	-	-	-	-	-	-
				installed	Inspected														Control: 7	10	14		Control: 4		,	Control: 5	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	17	CCM Distribution Field Asset Real Time Monitoring and Control Site Installations/Upgrades & New Control Room Technologies	Real-time: No. of sites installed	Real-time: No. of sites Inspected		_	_		_	_		_	_	_	Control: 2 Real-time: 4	Control: 3 Real-time: 5	Control: 5 Real-time: 9	Real-time: 13	Real-time: 20	Real-time: 29	Real-time: 5	Real-time: 8	Real-time: 11	Control: 8 Real-time: 16	Real-time:	Control: 8 Real-time: 26
	Incident Related to the Medium Pressure System																										
SDG&E-Risk-9	(Excluding Dig-in) C: Incident Related to the Medium Pressure System	18	Gas Public Safety Communications	No Feasible Units	No Feasible Units	-	-			-	-		-	-	-	-		-	-	-		<del>-</del>		-	+		
SDG&E-Risk-9	(Excluding Dig-in) C: Incident Related to the Medium Pressure System	19	Field and Public Safety	# of Orders	# of Orders # of Natural Gas Appliance	147,694	158,625	150,456	147,779	123,196	6,006	7,171	6,924	6,687	6,784	117,036	160,155	117,036	160,155	117,036	160,155	6,445	7,802	6,445	7,802	6,445	7,802
SDG&E-Risk-9	(Excluding Dig-in)	20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	N/A	Tests	5,275	4,297	5,309	4,481	2,838	-		-	-	-	2,696	6,953	2,696	6,953	2,696	6,953	- '	_	-	-	-	-
SDG&E-Risk-9		21	CSF Quality Assurance (QA) Program	N/A	# of Inspections	904	1,160	1,463	2,135	181	-		-		-	1,483	1,795	1,496	1,811	1,509	1,826	- '	- '	-	-	-1	-
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in) M	41	Safety Control Valves	# of projects	N/A																	17	22	17	22	17	22
	Incident Related to the Medium Pressure System		,	# of upgraded rectifier	1977																						
SDG&E-Risk-9	(Excluding Dig-in) M Incident Related to the Medium Pressure System	12	Cathodic Protection System Enhancements – Real Time Monitoring	stations	N/A	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	1,180	1,508	-	<del></del>	-	
SDG&E-Risk-9	(Excluding Dig-in) M Incident Related to the Medium Pressure System	13	Replace Curb Valves with EFVs	# of projects	N/A	-	-	-	-	-	-	-	-		-	-		-	-	-	-	120	146	120	146	120	146
SDG&E-Risk-9	(Excluding Dig-in) A:	1	Post-Training Follow-up Field Evaluation	N/A	# of projects			-	-	-	-	-	-			32	46	32	46	32	46		-		-		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in) AJ	2	Soil Sampling Program	N/A	# of projects		-				-	-	-		-	3,544	5,119	3,544	5,119	3,544	5,119	.'	- '	-	-		-