#### SOUTHERN CALIFORNIA GAS COMPANY

Risk Assessment and Mitigation Phase 2025 Report

Chapter: SCG-Risk-8 Number: SCG-R08-CWP

# Cybersecurity Capital Workpapers SOUTHERN CALIFORNIA GAS COMPANY

May 15, 2025



## 2025 Risk Assessment & Mitigation Phase

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# Risk Chapter 2CR08: SCG-RISK-8 CYBERSECURITY

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#### Summary of Risk Chapter: 2CR08 - SCG-Risk-8 Cybersecurity

	In 2024 \$ (000s) Incurred Costs											
	Adjusted Recorded Adjusted Forecast											
2020 2021 2022 2023 2024 <b>2025 2026 2027 2028 2029 2030</b>						2031						
Control/Mitigation	30,702	17,892	23,247	26,121	26,320	44,091	51,023	31,252	51,744	47,275	41,973	40,112
Alternative Mitigation	0	0	0	0	0	86,678	97,901	63,004	102,540	94,213	81,021	78,409
Units	nits See detailed pages for Units as the unit measure can vary for each mitigation.											

**Note:** Totals may include rounding differences.

Risk Chapter: SCG-Risk-8 Cybersecurity

Risk ID: 2CR08

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#### In 2024 \$ (000s) Incurred Costs

	=== - + (0000)													
	Mitigation	Unit		Adju	sted Reco	rded		Adjusted Forecast						
ID	Name	Measure	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
A801	Alternative Portfolio 1	Users Prote	0	0	0	0	0	42,586	41,828	31,252	50,347	43,186	39,048	38,297
A802	Alternative Portfolio 2	Users Prote	0	0	0	0	0	44,092	56,073	31,752	52,193	51,027	41,973	40,112
C801	Perimeter Defenses	Users Prote	20,070	2,507	13,421	18,270	1,991	13,881	21,920	14,245	29,251	15,719	6,435	7,020
C802	Internal Defenses	Users Prote	10,632	11,812	7,101	6,014	11,879	18,949	19,215	6,607	17,894	17,013	24,525	25,221
C803	Sensitive Data Protection	Users Prote	0	696	401	6	2,998	0	3,000	2,400	0	5,400	4,320	0
C804	Operational Technology (OT	Users Prote	0	2,876	2,325	1,830	338	3,489	5,371	6,438	3,151	3,151	4,754	5,873
C805	IT Infrastructure Modernizati	Users Prote	0	0	0	0	9,113	7,772	1,517	1,562	1,448	5,992	1,939	1,998

Ö,	_						Unit	S							
G-20		Mitigation	Unit	Adjusted Recorded				Adjusted Forecast							
CR08	ID	Name	Measure	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
8-0		Alternative Portfolio 1	Users Prote	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000
₽	A802	Alternative Portfolio 2	Users Prote	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000
	C801	Perimeter Defenses	Users Prote	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
	C802	Internal Defenses	Users Prote	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
	C803	Sensitive Data Protection	Users Prote	0	25,000	25,000	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0
	C804	Operational Technology (OT	Users Prote	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000

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**Note:** Totals may include rounding differences.

C805 IT Infrastructure Modernizati Users Prote

**Supplemental Workpapers** 

_		RAMP					
Forecast Year	Description (Public)	Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2025	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	90,000	510,000	600,000
2025	Enhancements to the technologies, platforms, and services that provides backup of critical and sensitive data, and used in the event of a potential ransomware recovery scenario.	2CR08C802	Internal Defenses	High	1,155,000	6,545,000	7,700,000
2025	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C805	IT Infrastructure Modernization	High	1,165,698	6,605,622	7,771,319
2025	Investments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	988,735	5,602,833	6,591,568
2025	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.  Network security hardware, software, connectivity, visibility of traffic and	2CR08C804	OT Cybersecurity	High	523,465	2,966,302	3,489,767
2025	other critical security controls to ensure traffic entering and exiting our networks are safe.	2CR08C801	Perimeter Defenses	High	1,093,509	6,196,554	7,290,063
2025	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	174,513	988,906	1,163,418
2025	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	340,708	1,930,676	2,271,384
2025	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	856,248	4,852,074	5,708,322
025 Total					6,387,876	36,197,966	42,585,842
2026	A capability that enables secure connections into our most sensitive operational technologies from remote or offsite locations, often needed by key personnel who use systems to manage electric and gas operations.	2CR08C804	OT Cybersecurity	High	75,000	425,000	500,000
2026	$\label{lem:entropy} Enhancements to the data recovery platforms, tools and services, ensuring the company is protected from serious threats posed by ransomware.$	2CR08C802	Internal Defenses	High	300,000	1,700,000	2,000,000
2026	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C801	Perimeter Defenses	High	1,200,669	6,803,790	8,004,459
2026	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	675,000	3,825,000	4,500,000
2026	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	525,000	2,975,000	3,500,000
2026	Our primary platform that enables threat and vulnerability scanning on a key business technology platform that maintains enterprise-wide financials, work management, field operations, customer data and operations among others.	2CR08C802	Internal Defenses	High	1,018,512	5,771,571	6,790,083
2026	Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our OT network.	2CR08C801	Perimeter Defenses	High	225,000	1,275,000	1,500,000
2026	Platform that enables workflows, cataloguing, tracking and assignment of ownership for operational technology ("OT") vulnerabilities and their associated remediation and/or risk management activities.	2CR08C804	OT Cybersecurity	High	205,643	1,165,312	1,370,955
2026	Platforms and services to enhance our data protection capabilities through classification and labeling of data.	2CR08C803	Sensitive Data Protection	High	450,000	2,550,000	3,000,000
2026	Replacement of obsolete, end of life/end of service hardware that runs firewalls, protecting the company from threats and malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	227,534	1,289,357	1,516,890
2026	The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.	2CR08C801	Perimeter Defenses	High	483,171	2,737,971	3,221,142
2026	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	513,749	2,911,244	3,424,993
2026	Upgrade capabilities on a security platform that enables collection of data that can be analyzed to respond to threats.	2CR08C802	Internal Defenses	High	375,000	2,125,000	2,500,000
026 Total	that our be unally but to respond to amount				6,274,278	35,554,244	41,828,522
2027	An upgrade to the company's data loss protection ("DLP") capability, which ensures we mitigate the risk of losing sensitive information either unknowingly or by purposeful attempt from a threat actor.	2CR08C803	Sensitive Data Protection	High	360,000	2,040,000	2,400,000
2027	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	234,360	1,328,037	1,562,397
2027	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C801	Perimeter Defenses	High	1,236,689	7,007,904	8,244,593
2027	Investments in security technologies, platforms and services that enable security guardralis for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	825,000	4,675,001	5,500,00
2027	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	525,000	2,975,000	3,500,000
2027	Security analytics and threat intelligence platform enhancement.	2CR08C801	Perimeter Defenses	High	75,000	425,000	500,000
2027	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	256,875	1,455,622	1,712,497
	Upgrade for our Public Key Infrastructure capabilities, protection from post-	2CR08C802	Internal Defenses	High	734,244	4,160,715	4,894,959

orecast		RAMP		Portfolio			
orecast Year	Description (Public)	Workpaper Group	Mitigation	Impact	Labor	Non-Labor	Total
2027	Upgrade to the devices (sensors) used to monitor network traffic within operational technology ("OT") environments. This capability ensures we can monitor and log potentially malicious behavior and traffic from OT assets.	2CR08C804	OT Cybersecurity	High	440,682	2,497,199	2,937,88
027 Total					4,687,849	26,564,479	31,252,32
2028	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	83,430	472,770	556,20
2028	A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.	2CR08C801	Perimeter Defenses	High	135,000	765,000	900,00
2028	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	217,251	1,231,091	1,448,34
2028	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	675,000	3,825,000	4,500,00
2028	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,00
2028	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,00
2028	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	161,773	916,716	1,078,48
2028	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	398,628	2,258,891	2,657,51
2028	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	1,155,935	6,550,300	7,706,23
2028	Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic and threats.	2CR08C801	Perimeter Defenses	High	-	22,500,000	22,500,00
028 Total					4,177,018	46,169,767	50,346,7
2029	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	223,769	1,268,023	1,491,79
2029	Investment in a capability that allows the company to identify which specific web connections can or cannot be accessed, typically from within a highly-sensitive environment such as operational technology.	2CR08C802	Internal Defenses	High	351,000	1,989,000	2,340,00
2029	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	270,000	1,530,000	1,800,00
2029	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,00
2029	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,0
2029	Our primary platform that enables threat and vulnerability scanning on a key business technology platform that maintains enterprise-wide financials, work management, field operations, customer data and operations among others.	2CR08C802	Internal Defenses	High	1,191,660	6,752,737	7,944,39
2029	Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our network.	2CR08C801	Perimeter Defenses	High	208,575	1,181,925	1,390,50
2029	Platforms and services to enhance our data protection capabilities through classification and labeling of data.	2CR08C803	Sensitive Data Protection	High	810,000	4,590,000	5,400,00
2029	The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.	2CR08C801	Perimeter Defenses	High	447,900	2,538,099	2,985,99
2029	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	300,543	1,703,078	2,003,62
2029	Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.	2CR08C801	Perimeter Defenses	High	210,600	1,193,400	1,404,00
2029	Upgrade capabilities on a security platform that enables collection of data that can be analyzed to respond to threats.	2CR08C802	Internal Defenses	High	438,750	2,486,250	2,925,00
2029	Enhancement, replacement or upgrades to advanced threat protection tools, software, capabilities	2CR08C805	IT Infrastructure Modernization	High	675,000	3,825,000	4,500,00
)29 Total					6,477,796	36,707,513	43,185,3
2030	An upgrade to the company's data loss protection ("DLP") capability, which ensures we mitigate the risk of losing sensitive information either unknowingly or by purposeful attempt from a threat actor.	2CR08C803	Sensitive Data Protection	High	648,000	3,672,000	4,320,0
2030	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	290,900	1,648,431	1,939,3
2030	Enhancements to the data recovery platforms, tools and services, ensuring the company is protected from serious threats posed by ransomware.	2CR08C802	Internal Defenses	High	945,000	5,355,000	6,300,0
2030	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,0
2030	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,0

	2CR08A801 - SCG-RIS	K-8 Cypersecurity	Alternative Portfolio 1				
Forecast Year	Description (Public)	RAMP Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2030	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	877,500	4,972,500	5,850,000
2030	Platform that enables workflows, cataloguing, tracking and assignment of ownership for operational technology ("OT") vulnerabilities and their associated remediation and/or risk management activities.	2CR08C804	OT Cybersecurity	High	240,603	1,363,414	1,604,017
2030	Security analytics and threat intelligence platform enhancement.	2CR08C801	Perimeter Defenses	High	87,750	497,250	585,000
2030	Investments in protection of AI related technologies used to serve the business.	2CR08C802	Internal Defenses	High	1,417,500	8,032,500	9,450,000
2030 Total					5,857,252	33,191,095	39,048,347
2031	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	85,933	486,953	572,886
2031	A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.	2CR08C801	Perimeter Defenses	High	175,500	994,500	1,170,000
2031	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	299,626	1,697,883	1,997,509
2031	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	877,500	4,972,500	5,850,000
2031	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
2031	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2031	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	526,500	2,983,500	3,510,000
2031	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	518,216	2,936,559	3,454,775
2031	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	1,502,716	8,515,390	10,018,106
2031	Upgrade to the devices (sensors) used to monitor network traffic within operational technology ("OT") environments. This capability ensures we can monitor and log potentially malicious behavior and traffic from OT assets.	2CR08C804	OT Cybersecurity	High	408,512	2,314,904	2,723,416
2031 Total					5,744,504	32,552,188	38,296,692
Grand Total					39.606.574	246.937.252	286.543.826

Forecast Year	Description (Public)	RAMP Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2025	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	90,000	510,000	600,000
2025	Enhancements to the technologies, platforms, and services that provides backup of critical and sensitive data, and used in the event of a potential ransomware recovery scenario.	2CR08C802	Internal Defenses	High	1,155,000	6,545,000	7,700,000
2025	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C805	IT Infrastructure Modernization	High	1,165,698	6,605,622	7,771,319
2025	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	988,735	5,602,833	6,591,568
2025	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	523,465	2,966,302	3,489,767
2025	Network security hardware, software, connectivity, visibility of traffic and other critical security controls to ensure traffic entering and exiting our networks are safe.	2CR08C801	Perimeter Defenses	High	1,093,509	6,196,554	7,290,063
2025	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	174,513	988,906	1,163,418
2025	Platform that enables automated checks and remediation of common Indicators of Compromise ("IOCs"), which indicate a system or platform may be vulnerable to a breach.	2CR08C802	Internal Defenses	Medium	225,904	1,280,120	1,506,024
2025	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	340,708	1,930,676	2,271,384
2025	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	856,248	4,852,074	5,708,322
2025 Total					6,613,780	37,478,086	44,091,866
2026	A capability that enables secure connections into our most sensitive operational technologies from remote or offsite locations, often needed by key personnel who use systems to manage electric and gas operations.	2CR08C804	OT Cybersecurity	High	75,000	425,000	500,000
2026	An attack surface management ("ASM") platform that provides broad, enterprise-scale visibility to key threat, vulnerability, analytics, and security insights in a single console.	2CR08C802	Internal Defenses	Low	525,000	2,975,000	3,500,000
2026	An automation capability that creates conditions for how we manage inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.	2CR08C801	Perimeter Defenses	Medium	524,101	2,969,905	3,494,006
2026	An upgrade to the company's Security Information and Event Management ("SIEM") capability, enabling critical insights and action for our security operations and incident response teams.	2CR08C802	Internal Defenses	Medium	375,000	2,125,000	2,500,000
2026	$\label{lem:enhancements} Enhancements to the data recovery platforms, tools and services, ensuring the company is protected from serious threats posed by ransomware.$	2CR08C802	Internal Defenses	High	300,000	1,700,000	2,000,000
2026	Investment in a capability that allows the company to identify which specific web connections can or cannot be accessed, typically from within a highly-sensitive environment such as operational technology.	2CR08C802	Internal Defenses	Medium	300,000	1,700,000	2,000,000
2026	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C801	Perimeter Defenses	High	1,200,669	6,803,790	8,004,459
2026	Investment in our Security Orchestration and Automated Response ("SOAR"), enables taking information from security alerts and triggering predefined actions to mitigate threats quickly and efficiently.	2CR08C802	Internal Defenses	Low	150,000	850,000	1,000,000
2026	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	675,000	3,825,000	4,500,000
2026	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	525,000	2,975,000	3,500,000
2026	Our primary platform that enables threat and vulnerability scanning on a key business technology platform that maintains enterprise-wide financials, work management, field operations, customer data and operations among others.	2CR08C802	Internal Defenses	High	1,018,512	5,771,571	6,790,083
2026	Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our OT network.	2CR08C801	Perimeter Defenses	High	225,000	1,275,000	1,500,000
2026	Platform that enables automation of penetration testing, an activity that seeks to target, identify and exploit potential attack methods used by malicious threat actors. This investment ensures we can expand through automation vs relying solely on manual human-led penetration testing.	2CR08C801	Perimeter Defenses	Low	82,500	467,500	550,000
2026	Platform that enables workflows, cataloguing, tracking and assignment of ownership for operational technology ("OT") vulnerabilities and their associated remediation and/or risk management activities.	2CR08C804	OT Cybersecurity	High	205,643	1,165,312	1,370,955
2026	Platforms and services to enhance our data protection capabilities through classification and labeling of data.	2CR08C803	Sensitive Data Protection	High	450,000	2,550,000	3,000,000
2026	Replacement of obsolete, end of life/end of service hardware that runs firewalls, protecting the company from threats and malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	227,534	1,289,357	1,516,890
2026	The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.	2CR08C801	Perimeter Defenses	High	483,171	2,737,971	3,221,142

		RAMP					
Forecast Year	Description (Public)	Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2026	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	513,749	2,911,244	3,424,993
2026	Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.	2CR08C801	Perimeter Defenses	Medium	180,000	1,020,000	1,200,000
2026	Upgrade capabilities on a security platform that enables collection of data that can be analyzed to respond to threats.	2CR08C802	Internal Defenses	High	375,000	2,125,000	2,500,00
26 Total					8,410,879	47,661,649	56,072,52
2027	An upgrade to the company's data loss protection ("DLP") capability, which ensures we mitigate the risk of losing sensitive information either unknowingly or by purposeful attempt from a threat actor.	2CR08C803	Sensitive Data Protection	High	360,000	2,040,000	2,400,00
2027	Enhancement, replacement or upgrades to our core firewalt infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	234,360	1,328,037	1,562,39
2027	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C801	Perimeter Defenses	High	1,236,689	7,007,904	8,244,59
2027	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	825,000	4,675,001	5,500,00
2027	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	525,000	2,975,000	3,500,00
2027	Security analytics and threat intelligence platform enhancement.  Security orchestration across various platforms and tools, enabling our	2CR08C801	Perimeter Defenses	High	75,000	425,000	500,00
2027	security operations teams to quickly assess potential threats and take action on them.	2CR08C802	Internal Defenses	Low	75,000	425,001	500,00
2027	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	256,875	1,455,622	1,712,49
2027	Upgrade for our Public Key Infrastructure capabilities, protection from post- quantum cryptographic decryption.	2CR08C802	Internal Defenses	High	734,244	4,160,715	4,894,95
2027	Upgrade to the devices (sensors) used to monitor network traffic within operational technology ("OT") environments. This capability ensures we can monitor and log potentially malicious behavior and traffic from OT assets.	2CR08C804	OT Cybersecurity	High	440,682	2,497,199	2,937,88
27 Total					4,762,849	26,989,480	31,752,32
2028	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	83,430	472,770	556,20
2028	A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.	2CR08C801	Perimeter Defenses	High	135,000	765,000	900,00
2028	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	217,251	1,231,091	1,448,34
2028	Investment in ensuring cryptography enhancements to protect against post-quantum computing.	2CR08C802	Internal Defenses	High	675,000	3,825,000	4,500,00
2028	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,00
2028	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,00
2028	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	161,773	916,716	1,078,48
2028	Platform that enables automated checks and remediation of common Indicators of Compromise ("IOCs"), which indicate a system or platform may be vulnerable to a breach.	2CR08C802	Internal Defenses	Medium	209,413	1,186,671	1,396,08
2028	Security orchestration across various platforms and tools, enabling our security operations teams to quickly assess potential threats and take action on them.	2CR08C802	Internal Defenses	Low	67,500	382,500	450,00
2028	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	398,628	2,258,891	2,657,51
2028	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	1,155,935	6,550,300	7,706,23
2028	Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic and threats.	2CR08C801	Perimeter Defenses	High	-	22,500,000	22,500,00
28 Total	An obtacle surface management (HACAMIN allasters at the second at the se				4,453,930	47,738,939	52,192,86
2029	An attack surface management ("ASM") platform that provides broad, enterprise-scale visibility to key threat, vulnerability, analytics, and security insights in a single console.	2CR08C802	Internal Defenses	Low	486,675	2,757,825	3,244,50
2029	An automation capability that creates conditions for how we manage inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.	2CR08C801	Perimeter Defenses	Medium	613,198	3,474,789	4,087,98
0000	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against	2CR08C805	IT Infrastructure Modernization	High	223,769	1,268,023	1,491,79
2029	malicious traffic.		1-10deffilzation				

		RAMP					
Forecast Year	Description (Public)	Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2029	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	270,000	1,530,000	1,800,000
2029	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  Investments in security technologies, platforms and services that enable	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
2029	security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2029	Our primary platform that enables threat and vulnerability scanning on a key business technology platform that maintains enterprise-wide financials, work management, field operations, customer data and operations among others.	2CR08C802	Internal Defenses	High	1,191,660	6,752,737	7,944,397
2029	Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our network.	2CR08C801	Perimeter Defenses	High	208,575	1,181,925	1,390,50
2029	Platform that enables automation of penetration testing, an activity that seeks to target, identify and exploit potential attack methods used by malicious threat actors. This investment ensures we can expand through automation vs relying solely on manual human-led penetration testing.	2CR08C801	Perimeter Defenses	Low	76,478	433,373	509,850
2029	Platforms and services to enhance our data protection capabilities through classification and labeling of data.	2CR08C803	Sensitive Data Protection	High	810,000	4,590,000	5,400,000
2029	The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.	2CR08C801	Perimeter Defenses	High	447,900	2,538,099	2,985,999
2029	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	300,543	1,703,078	2,003,621
2029	Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.	2CR08C801	Perimeter Defenses	High	210,600	1,193,400	1,404,000
2029	Upgrade capabilities on a security platform that enables collection of data that can be analyzed to respond to threats.	2CR08C802	Internal Defenses	High	438,750	2,486,250	2,925,000
2029	Enhancement, replacement or upgrades to advanced threat protection tools, software, capabilities	2CR08C805	IT Infrastructure Modernization	High	675,000	3,825,000	4,500,000
29 Total					7,654,147	43,373,499	51,027,64
2030	An upgrade to the company's data loss protection ("DLP") capability, which ensures we mitigate the risk of losing sensitive information either unknowingly or by purposeful attempt from a threat actor.	2CR08C803	Sensitive Data Protection	High	648,000	3,672,000	4,320,000
2030	An upgrade to the company's Security Information and Event Management ("SIEM") capability, enabling critical insights and action for our security operations and incident response teams.	2CR08C802	Internal Defenses	Medium	438,750	2,486,250	2,925,000
2030	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	290,900	1,648,431	1,939,330
2030	Enhancements to the data recovery platforms, tools and services, ensuring the company is protected from serious threats posed by ransomware.	2CR08C802	Internal Defenses	High	945,000	5,355,000	6,300,000
2030	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
2030	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2030	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	877,500	4,972,500	5,850,000
2030	Platform that enables workflows, cataloguing, tracking and assignment of ownership for operational technology ("OT") vulnerabilities and their associated remediation and/or risk management activities.	2CR08C804	OT Cybersecurity	High	240,603	1,363,414	1,604,017
2030	Security analytics and threat intelligence platform enhancement.  Investments in protection of AI related technologies used to serve the	2CR08C801	Perimeter Defenses	High	87,750	497,250	585,000
2030	business.	2CR08C802	Internal Defenses	High	1,417,500	8,032,500	9,450,000
030 Total					6,296,002	35,677,345	41,973,347
2031	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	85,933	486,953	572,886
2031	A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.	2CR08C801	Perimeter Defenses	High	175,500	994,500	1,170,000
2031	Enhancement, replacement or upgrades to our core firewalt infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	299,626	1,697,883	1,997,509
2031	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	877,500	4,972,500	5,850,000
2031	Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.	2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
2031	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000

	Year Description (Public) Workpaper Mitigation Impact Labor Non-Labor Total  Flatform that enables automated checks and remediation of common  2031 Indicators of Compromise ("IOCs"), which indicate a system or platform may 2CR08C802 Internal Defenses Medium 272,236 1,542,673 1,814,909												
Forecast Year	Description (Public)	Workpaper	Mitigation		Labor	Non-Labor	Total						
2031		2CR08C802	Internal Defenses	Medium	272,236	1,542,673	1,814,909						
2031	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	518,216	2,936,559	3,454,775						
2031	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	1,502,716	8,515,390	10,018,106						
2031	Upgrade to the devices (sensors) used to monitor network traffic within operational technology ("OT") environments. This capability ensures we can monitor and log potentially malicious behavior and traffic from OT assets.	2CR08C804	OT Cybersecurity	High	408,512	2,314,904	2,723,416						
2031 Total					6,016,740	34,094,861	40,111,601						
<b>Grand Total</b>					44,208,328	273,013,859	317,222,187						

Personal Process   Personal Pr			Services   Company   Com					
Investments in socially bechnologies, platforms and services that enable services are under services.	Forecast Year	Description (Public)	Workpaper	Mitigation		Labor	Non-Labor	Total
other circles security controls to ensure traffic entering and existing our expension of the circles are sale.  2025 Total and another composition of the control of the control of the circles are sale.  2026 Total and another composition of the control of the c	2025			Perimeter Defenses	High	988,735	5,602,833	6,591,568
2025   Total	2025	other critical security controls to ensure traffic entering and exiting our	2CR08C801	Perimeter Defenses	High	1,093,509	6,196,554	7,290,063
	2025 Total	networks are suit.				2,082,245	11,799,387	13,881,631
primary perimeter defense capability.  2020   International Security channels security channels are services that enable security guardraits for our cloud applications and services.  2021   Perimeter Defenses   High   675,000   3,825,000   4,500,000   2020   Curp primary technology for authenticate and connect to our Of network.  2021   Perimeter Defenses   High   225,000   1,275,000   1,500,000   2022   Perimeter Defenses   High   483,171   2,737,971   3,221,144   2023   International Control of the Perimeter Defenses   High   483,171   2,737,971   3,221,144   2024   International Control of the Perimeter Defenses   High   483,171   2,737,971   3,221,144   2025   International Control of the Perimeter Defenses   High   483,171   2,737,971   3,221,144   2026   International Control of the Perimeter Defenses   High   483,171   2,737,971   3,221,144   2026   International Control of the Perimeter Defenses   High   483,171   2,737,971   3,221,144   2026   International Control of the Perimeter Defenses   High   1,236,689   7,007,904   8,244,59   2027   International Control of the Perimeter Defenses   High   1,236,689   7,007,904   8,244,59   2028   International Control of the Perimeter Defenses   High   1,236,689   7,007,904   8,244,59   2029   International Control of the Perimeter Defenses   High   1,236,689   12,107,905   14,244,59   2029   International Control of the Perimeter Defenses   High   1,236,689   12,107,905   14,244,59   2029   International Control of the Perimeter Defenses   High   1,250,000   900,000   2027 Total	2026	inbound and outbound traffic between our network and public internet,	2CR08C801	Perimeter Defenses	Medium	524,101	2,969,905	3,494,006
Security guardratis for our cloud applications and services.   2.00   2.00   3.00	2026		2CR08C801	Perimeter Defenses	High	1,200,669	6,803,790	8,004,459
### Required to safely authenticate and connect to our OT network.  ### Terminary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.  ### Tool that enables our threat intelligence capability to identify the threat control of the malicious traffic and attacks.  ### Tool that enables our threat intelligence capability to identify the threat control of the malicious traffic and attacks.  ### Tool that enables our threat intelligence capability to identify the threat control of the malicious traffic and attacks.  ### Tool that enables our threat intelligence capability to identify the threat control of the malicious traffic and attacks.  ### Tool that enables our threat intelligence capability to identify the threat control of the malicious traffic and attacks.  ### Tool that enables our threat intelligence capability.  ### Tool of the malicious traffic and attacks.  ### Too	2026		2CR08C801	Perimeter Defenses	High	675,000	3,825,000	4,500,000
portall from malicious traffic and attacks.  2026  Tool that enables our treat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.  2027  Perimeter Defenses Medium 180,000 1,020,000 1,200,000	2026		2CR08C801	Perimeter Defenses	High	225,000	1,275,000	1,500,000
Security particular for the company and users and services.   2CR08C801   Perimeter Defenses   High   1.236,689   7,007,904   8,244,59	2026	portal) from malicious traffic and attacks.	2CR08C801	Perimeter Defenses	High	483,171	2,737,971	3,221,142
1,025 Folial	2026		2CR08C801	Perimeter Defenses	Medium	180,000	1,020,000	1,200,000
244,59	2026 Total	tanuscape, take action on tineats, and prevent and mitigate attacks.				3,287,941	18,631,666	21,919,607
Security guardralis for our cloud applications and services.   2CR08C801   Perimeter Defenses   High   55,000   425,000   500,00   500,00   227,000   500,	2027	primary perimeter defense capability.	2CR08C801	Perimeter Defenses	High	1,236,689	7,007,904	8,244,593
Security analytics and threat intelligence platform enhancement.  2CR08C801 Perimeter Defenses High 75,000 425,000 500,00 2027 Total  A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security ploticies to keep the company and users safe.  2CR08C801 Perimeter Defenses High 135,000 765,000 900,00 900,00 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2CR08C801 Perimeter Defenses High 877,500 4,972,500 5,850,00 900,00 Perimeter Defenses High 877,500 4,972,500 5,850,00 Perimeter Defenses High 877,500 4,972,500 5,850,00 Perimeter Defenses High 877,500 Perimeter Defenses High 877,500 Perimeter Defenses Perimeter Defenses High 877,500 Perimeter Defenses Perimeter	2027		2CR08C801	Perimeter Defenses	High	825,000	4,675,001	5,500,001
A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.   2CR08C801   Perimeter Defenses   High   135,000   765,000   900,00	2027		2CR08C801	Perimeter Defenses	High	75,000	425,000	500,000
Laptops) from risk of a breach or sharing of sensitive information. This capability enforces security problecies to keep the company and users safe.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable protect from malicious traffic and threats.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications (e.g., customer login portal) from malicious traffic and attacks.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security guardraits for our cloud applications and services.  Linestments in security technologies, platforms and services that enable security product enabling protection of endpoi	2027 Total					2,136,689	12,107,905	14,244,594
security guardraits for our cloud applications and services.  Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic and threats.  An automation capability that creates conditions for how we manage inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic and threats.  An automation capability that creates conditions for how we manage inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic between our network and public internet, enabling cost-reduction of manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic between our network and public internet, enabling cost-reduction of manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from malicious traffic between our network and public internet, enabling cost-reduction of manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from manual work.  Enterprise licenses for firewall hardware used across the enterprise to protect from manual work.  Enterprise licenses for firewall hardware used across the enterprise to primeter Defenses.  High 20,575 1,181,925 1,390,50 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,985,99 2,99 2,99 2,99 2,99 2,99 2,99 2,99	2028	laptops) from risk of a breach or sharing of sensitive information. This	2CR08C801	Perimeter Defenses	High	135,000	765,000	900,000
protect from malicious traffic and threats.  2R08C801 Perimeter Defenses Righ 1.012,500 28,237,500 29,250,00  An automation capability that creates conditions for how we manage inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.  2029 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2CR08C801 Perimeter Defenses High 877,500 4,972,500 5,850,00  2CR08C801 Perimeter Defenses High 208,575 1,181,925 1,390,50  4.972,500 5,850,00  4.972,500 5,85	2028		2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
An automation capability that creates conditions for how we manage inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.  2029 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2029 Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our network.  2029 The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.  2029 Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.  2029 Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.  2029 Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.  2030 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2030 Security analytics and threat intelligence platform enhancement.  2030 Security analytics and threat intelligence platform enhancement.  2030 Security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.  2031 Security guardrails for our cloud applications and services.  2032 Security guardrails for our cloud applications and services.  2033 Perimeter Defenses High 87,500 497,250 585,000 6,435,00	2028		2CR08C801	Perimeter Defenses	High	-	22,500,000	22,500,000
inbound and outbound traffic between our network and public internet, enabling cost-reduction of manual work.  2029 Investments in security technologies, platforms and services that enable security guardralis for our cloud applications and services.  2029 Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our network.  2029 The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.  2029 Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.  2030 Investments in security technologies, platforms and services that enable security guardralis for our cloud applications (e.g., customer login portal) from malicious traffic and attacks.  2030 Investments in security technologies, platforms and services that enable security guardralis for our cloud applications and services that enable security part to the platform of endpoints (e.g., customer login portal) from malicious traffic and attacks.  2030 Security analytics and threat intelligence platform enhancement.  2040 Security analytics and threat intelligence platform enhancement.  2050 Security analytics and threat intelligence platform enhancement.  2060 Security product enabling protection of endpoints (e.g., employee apability enforces security product enabling of sensitive information. This capability enforces security policies to keep the company and users safe.  2031 Investments in security technologies, platforms and services that enable security guardralis for our cloud applications and services that enable security guardralis for our cloud applications and services that enable security guardralis for our cloud applications and services.  2031 Investments in security technologies, platforms and services that enable security guardralis for our cloud applications and services.  2031 Investments in security technologies, platforms and servic	2028 Total	protect from maticious trainc and threats.				1,012,500	28,237,500	29,250,000
2029 Our primary technology for authentication and connectivity for contractors, required to safely authenticate and connect to our network.  2029 The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.  2029 Tool that enables our threat intelligence capability to identify the threat landscape, take action on threats, and prevent and mitigate attacks.  2029 Total  2030 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2030 Security analytics and threat intelligence platform enhancement.  2031 Carona Security product enabling protection of endpoints (e.g., employee Laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.  2031 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services.  2030 Security analytics and threat intelligence platform enhancement.  2031 Carona Security product enabling protection of endpoints (e.g., employee Laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.  2031 Carona Security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services.  2032 Carona Security policies to keep the company and users safe.  2033 Carona Security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services.  2034 Carona Security policies to keep the company of the	2029	inbound and outbound traffic between our network and public internet,	2CR08C801	Perimeter Defenses	Medium	613,198	3,474,789	4,087,987
required to safely authenticate and connect to our network.  2029 The primary platform that protects our web applications (e.g., customer login portal) from malicious traffic and attacks.  2029 Tool that enables our threat intelligence capability to identify the threat and scape, take action on threats, and prevent and mitigate attacks.  2029 Tool that enables our threat intelligence capability to identify the threat and scape, take action on threats, and prevent and mitigate attacks.  2029 Total  2030 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2030 Security analytics and threat intelligence platform enhancement.  2030 Security analytics and threat intelligence platform enhancement.  2030 Security product enabling protection of endpoints (e.g., emptoyee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security puclicies to keep the company and users safe.  2031 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services that enable security guardrails for our cloud applications and services.  2031 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2032 Perimeter Defenses High 447,900 2,538,099 2,985,999,500 5,850,000 2,900,000 1,000,000 1,000,000 1,000,000 1,000,000	2029		2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
portal) from malicious traffic and attacks.  2CR08C801 Perimeter Defenses High 447,900 2,538,099 2,985,199  Tool that enables our threat intelligence capability to identify the threat andscape, take action on threats, and prevent and mitigate attacks.  2CR08C801 Perimeter Defenses High 210,600 1,193,400 1,404,000  2,357,773 13,360,713 15,718,48  2D30 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2CR08C801 Perimeter Defenses High 877,500 4,972,500 5,850,000  2CR08C801 Perimeter Defenses High 87,750 497,250 585,000  3R5,000 Total Perimeter Defenses High 87,750 497,250 585,000  4 key security analytics and threat intelligence platform enhancement.  2CR08C801 Perimeter Defenses High 87,750 497,250 585,000  3R5,000 Total A key security product enabling protection of endpoints (e.g., employee apabity enforces security policies to keep the company and users safe.  2CR08C801 Perimeter Defenses High 87,500 994,500 1,170,000  3R5,000 Total Perimeter Defenses High 87,500 4,972,500 5,850,000  3R5,000 Total Perimeter Defenses High	2029		2CR08C801	Perimeter Defenses	High	208,575	1,181,925	1,390,500
landscape, take action on threats, and prevent and mitigate attacks.  2029 Total  2030 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2030 Security analytics and threat intelligence platform enhancement.  2031 Perimeter Defenses  2030 High S77,50  4,972,50  5,850,00  2030 Security analytics and threat intelligence platform enhancement.  2031 Perimeter Defenses  2031 High S77,50  4,972,50  5,850,00  6,435,00  2031 Akey security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.  2031 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2031 Perimeter Defenses  4 High S77,50  4,972,50  5,850,00  5,850,00  7,020,00	2029		2CR08C801	Perimeter Defenses	High	447,900	2,538,099	2,985,999
15,718,48   2030   Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.   2CR08C801   Perimeter Defenses   High   877,500   4,972,500   5,850,000	2029		2CR08C801	Perimeter Defenses	High	210,600	1,193,400	1,404,000
Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2CR08C801 Perimeter Defenses High 877,500 4,972,500 5,850,00 5,850	2029 Total	tanascape, take action on uneats, and prevent and mingate attacks.				2,357,773	13,360,713	15,718,486
A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.  Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2010 2010 2010 2010 2010 2010 2010 201	2030		2CR08C801	Perimeter Defenses	High	877,500	4,972,500	5,850,000
A key security product enabling protection of endpoints (e.g., employee laptops) from risk of a breach or sharing of sensitive information. This capability enforces security policies to keep the company and users safe.  2031 Investments in security technologies, platforms and services that enable security guardrails for our cloud applications and services.  2080 Perimeter Defenses High 877,500 4,972,500 5,850,00 for perimeter Defenses High 877,500		Security analytics and threat intelligence platform enhancement.	2CR08C801	Perimeter Defenses	High			585,000
2031 security guardrails for our cloud applications and services. 2CR08C801 Perimeter Defenses High 877,500 4,972,500 5,850,00 2011 Total 2CR08C801 Perimeter Defenses High 877,500 4,972,500 5,850,00 7,020,00 10,0		laptops) from risk of a breach or sharing of sensitive information. This	2CR08C801	Perimeter Defenses	High			6,435,000 1,170,000
			2CR08C801	Perimeter Defenses	High			5,850,000
	2031 Total							7,020,000

orecast		RAMP		Portfolio			
Year	Description (Public)	Workpaper Group	Mitigation	Impact	Labor	Non-Labor	Total
2025	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	90,000	510,000	600,00
2025	Enhancements to the technologies, platforms, and services that provides backup of critical and sensitive data, and used in the event of a potential ransomware recovery scenario.	2CR08C802	Internal Defenses	High	1,155,000	6,545,000	7,700,00
2025	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	174,513	988,906	1,163,41
2025	Platform that enables automated checks and remediation of common Indicators of Compromise ("IOCs"), which indicate a system or platform may be vulnerable to a breach.	2CR08C802	Internal Defenses	Medium	225,904	1,280,120	1,506,02
2025	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	340,708	1,930,676	2,271,38
2025	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	856,248	4,852,074	5,708,3
25 Total	аррионолог.				2,842,372	16,106,776	18,949,14
2026	An upgrade to the company's Security Information and Event Management ("SIEM") capability, enabling critical insights and action for our security operations and incident response teams.	2CR08C802	Internal Defenses	Medium	375,000	2,125,000	2,500,00
2026	Enhancements to the data recovery platforms, tools and services, ensuring the company is protected from serious threats posed by ransomware.	2CR08C802	Internal Defenses	High	300,000	1,700,000	2,000,00
2026	Investment in a capability that allows the company to identify which specific web connections can or cannot be accessed, typically from within a highly-sensitive environment such as operational technology.	2CR08C802	Internal Defenses	Medium	300,000	1,700,000	2,000,00
2026	Our primary platform that enables threat and vulnerability scanning on a key business technology platform that maintains enterprise-wide financials, work management, field operations, customer data and operations among others.	2CR08C802	Internal Defenses	High	1,018,512	5,771,571	6,790,08
2026	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	513,749	2,911,244	3,424,9
2026 026 Total	Upgrade capabilities on a security platform that enables collection of data that can be analyzed to respond to threats.	2CR08C802	Internal Defenses	High	375,000 <b>2,882,261</b>	2,125,000 <b>16,332,815</b>	2,500,0 <b>19,215,0</b>
720 Totat	The technologies, platforms and services that enable our companies to				2,002,201	10,552,615	13,213,0
2027	confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	256,875	1,455,622	1,712,4
2027	Upgrade for our Public Key Infrastructure capabilities, protection from post- quantum cryptographic decryption.	2CR08C802	Internal Defenses	High	734,244	4,160,715	4,894,9
27 Total	, , , , , , , , , , , , , , , , , , ,				991,118	5,616,338	6,607,4
2028	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	83,430	472,770	556,2
2028	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	675,000	3,825,000	4,500,0
2028	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.  Platform that enables automated checks and remediation of common	2CR08C802	Internal Defenses	High	161,773	916,716	1,078,4
2028	Indicators of Compromise ("IOCs"), which indicate a system or platform may be vulnerable to a breach.	2CR08C802	Internal Defenses	Medium	209,413	1,186,671	1,396,0
2028	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.  The technologies, platforms and services that enable our companies to	2CR08C802	Internal Defenses	High	398,628	2,258,891	2,657,5
2028	confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	1,155,935	6,550,300	7,706,2
028 Total	Investment in a capability that allows the company to identify which specific				2,684,179	15,210,348	17,894,5
2029	web connections can or cannot be accessed, typically from within a highly- sensitive environment such as operational technology.	2CR08C802	Internal Defenses	High	351,000	1,989,000	2,340,00
2029	Investment in ensuring cryptography enhancements to protect against post- quantum computing.  Our primary platform that enables threat and vulnerability scanning on a key	2CR08C802	Internal Defenses	High	270,000	1,530,000	1,800,0
2029	business technology platform that maintains enterprise-wide financials, work management, field operations, customer data and operations among others.	2CR08C802	Internal Defenses	High	1,191,660	6,752,737	7,944,3
2029	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	300,543	1,703,078	2,003,6
2029	Upgrade capabilities on a security platform that enables collection of data that can be analyzed to respond to threats.	2CR08C802	Internal Defenses	High	438,750	2,486,250	2,925,0
29 Total	An arranged at the converse of Occasion (Constitution of Constitution of Const				2,551,953	14,461,065	17,013,0
2030	An upgrade to the company's Security Information and Event Management ("SIEM") capability, enabling critical insights and action for our security	2CR08C802	Internal Defenses	Medium	438,750	2,486,250	2,925,0
	operations and incident response teams.						

2CR08C802 - SCG-Risk-8 Cybersecurity Internal Defenses							
Forecast Year	Description (Public)	RAMP Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2030	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	877,500	4,972,500	5,850,000
2030	Investments in protection of AI related technologies used to serve the business.	2CR08C802	Internal Defenses	High	1,417,500	8,032,500	9,450,000
2030 Total					3,678,750	20,846,250	24,525,000
2031	A key component of our vulnerability management program, this platform enables visibility across the enterprise to identify vulnerabilities on our systems and infrastructure.	2CR08C802	Internal Defenses	High	85,933	486,953	572,886
2031	Investment in ensuring cryptography enhancements to protect against post- quantum computing.	2CR08C802	Internal Defenses	High	877,500	4,972,500	5,850,000
2031	Our primary method of verifying digital identities for safe and secure connections that protect sensitive information.	2CR08C802	Internal Defenses	High	526,500	2,983,500	3,510,000
2031	Platform that enables automated checks and remediation of common Indicators of Compromise ("IOCs"), which indicate a system or platform may be vulnerable to a breach.	2CR08C802	Internal Defenses	Medium	272,236	1,542,673	1,814,909
2031	The primary tool that protects the company from malicious email traffic, spam, and potential phishing and ransomware attacks.	2CR08C802	Internal Defenses	High	518,216	2,936,559	3,454,775
2031	The technologies, platforms and services that enable our companies to confirm (authenticate) who should be accessing our network and applications.	2CR08C802	Internal Defenses	High	1,502,716	8,515,390	10,018,106
2031 Total					3,783,101	21,437,575	25,220,676
<b>Grand Total</b>					19,413,735	110,011,166	129,424,902

	2CR08C803 - SCG-Risk-8 Cybersecurity Sensitive Data Protection							
Forecast Year	Description (Public)	RAMP Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total	
2026	Platforms and services to enhance our data protection capabilities through classification and labeling of data.	2CR08C803	Sensitive Data Protection	High	450,000	2,550,000	3,000,000	
2026 Total					450,000	2,550,000	3,000,000	
2027	An upgrade to the company's data loss protection ("DLP") capability, which ensures we mitigate the risk of losing sensitive information either unknowingly or by purposeful attempt from a threat actor.	2CR08C803	Sensitive Data Protection	High	360,000	2,040,000	2,400,000	
2027 Total					360,000	2,040,000	2,400,000	
2029	Platforms and services to enhance our data protection capabilities through classification and labeling of data.	2CR08C803	Sensitive Data Protection	High	810,000	4,590,000	5,400,000	
2029 Total					810,000	4,590,000	5,400,000	
2030	An upgrade to the company's data loss protection ("DLP") capability, which ensures we mitigate the risk of losing sensitive information either unknowingly or by purposeful attempt from a threat actor.	2CR08C803	Sensitive Data Protection	High	648,000	3,672,000	4,320,000	
2030 Total					648,000	3,672,000	4,320,000	
<b>Grand Total</b>		•			2,268,000	12,852,000	15,120,000	

		RAMP					
Forecast Year	Description (Public)	Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total
2025	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	523,465	2,966,302	3,489,767
2025 Total					523,465	2,966,302	3,489,767
2026	A capability that enables secure connections into our most sensitive operational technologies from remote or offsite locations, often needed by key personnel who use systems to manage electric and gas operations.	2CR08C804	OT Cybersecurity	High	75,000	425,000	500,000
2026	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	525,000	2,975,000	3,500,000
2026	Platform that enables workflows, cataloguing, tracking and assignment of ownership for operational technology ("OT") vulnerabilities and their associated remediation and/or risk management activities.	2CR08C804	OT Cybersecurity	High	205,643	1,165,312	1,370,955
2026 Total					805,643	4,565,312	5,370,955
2027	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	525,000	2,975,000	3,500,000
2027	Upgrade to the devices (sensors) used to monitor network traffic within operational technology ("OT") environments. This capability ensures we can monitor and log potentially malicious behavior and traffic from OT assets.	2CR08C804	OT Cybersecurity	High	440,682	2,497,199	2,937,881
2027 Total					965,682	5,472,199	6,437,881
2028	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2028 Total	<u> </u>				472,500	2,677,500	3,150,000
2029	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2029 Total	<u> </u>				472,500	2,677,500	3,150,000
2030	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2030	Platform that enables workflows, cataloguing, tracking and assignment of ownership for operational technology ("OT") vulnerabilities and their associated remediation and/or risk management activities.	2CR08C804	OT Cybersecurity	High	240,603	1,363,414	1,604,017
2030 Total					713,103	4,040,914	4,754,017
2031	Investments in security technologies, platforms and services that enable security controls, visibility of threats and vulnerabilities within our operational technology ("OT") environments.	2CR08C804	OT Cybersecurity	High	472,500	2,677,500	3,150,000
2031	Upgrade to the devices (sensors) used to monitor network traffic within operational technology ("OT") environments. This capability ensures we can monitor and log potentially malicious behavior and traffic from OT assets.	2CR08C804	OT Cybersecurity	High	408,512	2,314,904	2,723,416
2031 Total					881,012	4,992,404	5,873,416
Grand Total					4,833,905	27,392,131	32,226,036

	2CR08C805 - SCG-Risk-8 Cybersecurity IT Infrastructure Modernization							
Forecast Year	Description (Public)	RAMP Workpaper Group	Mitigation	Portfolio Impact	Labor	Non-Labor	Total	
2025	Investment in our enterprise licenses for our firewalls which function as our primary perimeter defense capability.	2CR08C805	IT Infrastructure Modernization	High	1,165,698	6,605,622	7,771,31	
2025 Total					1,165,698	6,605,622	7,771,31	
2026	Replacement of obsolete, end of life/end of service hardware that runs firewalls, protecting the company from threats and malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	227,534	1,289,357	1,516,89	
2026 Total					227,534	1,289,357	1,516,89	
2027	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	234,360	1,328,037	1,562,39	
2027 Total					234,360	1,328,037	1,562,39	
2028	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	217,251	1,231,091	1,448,342	
2028 Total					217,251	1,231,091	1,448,34	
2029	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	223,769	1,268,023	1,491,792	
2029	Enhancement, replacement or upgrades to advanced threat protection tools, software, capabilities	2CR08C805	IT Infrastructure Modernization	High	675,000	3,825,000	4,500,00	
2029 Total					898,769	5,093,023	5,991,79	
2030	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	290,900	1,648,431	1,939,330	
2030 Total					290,900	1,648,431	1,939,330	
2031	Enhancement, replacement or upgrades to our core firewall infrastructure hardware. This hardware enables our primary line of defense against malicious traffic.	2CR08C805	IT Infrastructure Modernization	High	299,626	1,697,883	1,997,50	
2031 Total					299,626	1,697,883	1,997,50	
<b>Grand Total</b>					3,334,137	18,893,443	22,227,579	

Risk Chapter: SCG-Risk-8 Cybersecurity

Risk ID: 2CR08

#### Appendix A: Forecast Methodology

Mitigation ID	Mitigation Name	Labor	Non-Labor	NSE	Units
A801	Alternative Portfolio 1	Zero-Based	Zero-Based	Zero-Based	Zero-Based
A802	Alternative Portfolio 2	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C801	Perimeter Defenses	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C802	Internal Defenses	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C803	Sensitive Data Protection	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C804	Operational Technology (OT) Cybersecurity	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C805	IT Infrastructure Modernization	Zero-Based	Zero-Based	Zero-Based	Zero-Based

Southern California Gas Company 2025 RAMP

Capital Workpapers

Risk Chapter: SCG-Risk-8 Cybersecurity

Risk ID: 2CR08

#### Appendix B: Unit Measure

Mitigation ID	Mitigation Name	Unit Measure
A801	Alternative Portfolio 1	Users Protected
A802	Alternative Portfolio 2	Users Protected
C801	Perimeter Defenses	Users Protected
C802	Internal Defenses	Users Protected
C803	Sensitive Data Protection	Users Protected
C804	Operational Technology (OT) Cybersecurity	Users Protected
C805	IT Infrastructure Modernization	Users Protected

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Capital Workpapers