

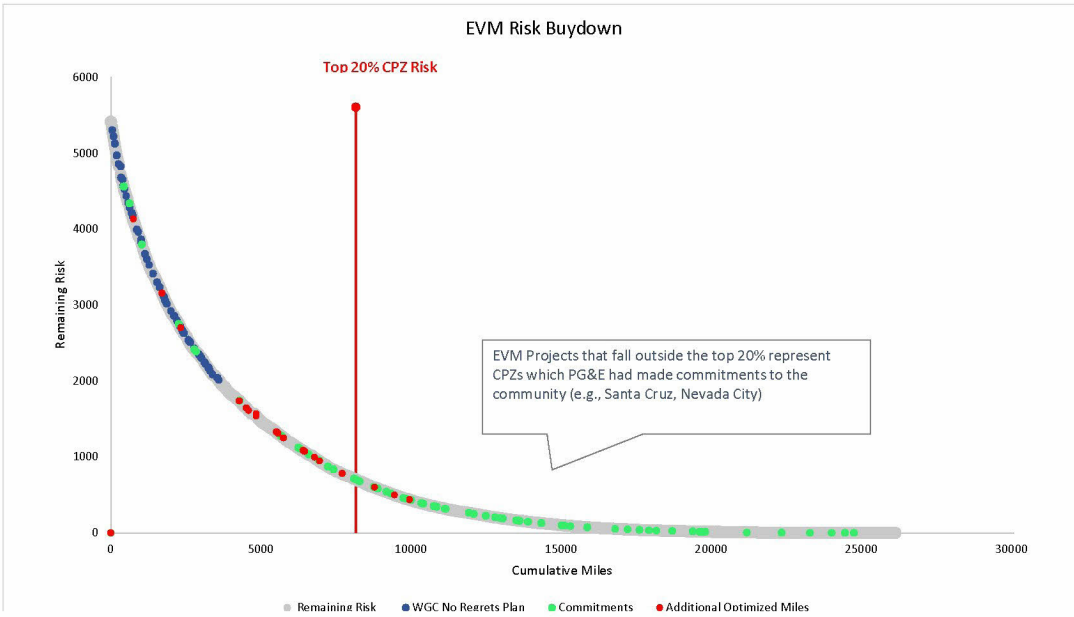
# Enhanced Vegetation Management (EVM) Summary Reporting

Information Updated as of 28 February, 2021

## 2021 Plan Summary

## Summary

2021 Plan Summary		Summary
		Total Miles
Target Miles	1,158	In order to reduce wildfire risk, PG&E has developed advanced risk models to inform the Enhanced Vegetation Management (EVM) work plan for 2021. The 2021-2023 Enhanced Vegetation Management (EVM) LTIP metric targets 1,890 risk-based miles annually (LTIP 1.0 targets). The 2021 EVM Plan includes work approved by the Wildfire Risk Governance Committee (WRGC), regional based commitments, and additional optimization opportunities. As of Feb 2021, the project portfolio includes 1,905 miles of EVM work. The specific targeted miles are shown on the risk buydown curve below and the associated listing is shown on the next page ("2021 Certified EVM Plan").
Commitments for 2021	327	
Additional Optimized Miles	421	<b>2021 Progress:</b> 51 line miles completed YTD, just behind the target of 56 miles. Currently, project level reviews are in-progress to determine constraints and resource allocation to support the 2021 EVM plan. Program is likely to fall further behind plan in March as resources are re-deployed in alignment with the updated workplan to support EVM returning to and staying on schedule.
<b>Total</b>	<b>1,905</b>	



DIVISION	CIRCUIT_PR	REMAINING_MILES
NC_North Coast	RIO DELL 11024230	22.71
SJ_Sierra	APPLE HILL 2102circuit_breaker	37.27
YO_Yosemite	OAKHURST 110110090	26.66
HU_Humboldt	BRIDGEVILLE 1102circuit_breaker	25.16
HU_Humboldt	FORT SEWARD 11211690	10.43
NV_North Valley	OREGON TRAIL 11041574	16.16
SJ_Sierra	HIGGINS 110950072	51.47
NV_North Valley	DESCHUTES 11011580	45.43
SJ_Sierra	DIAMOND SPRINGS 11057722	48.44
NV_North Valley	CHALLENGE 11021064	19.81
YO_Yosemite	OAKHURST 11015490	10.15
SJ_Sierra	SHINGLE SPRINGS 210913322	40.40
NV_North Valley	DESCHUTES 11041370	14.05
NV_North Valley	STILLWATER 1102circuit_breaker	25.57
HU_Humboldt	FRUITLAND 114293234	10.69
SJ_Sierra	WISE 11022230	23.67
NV_North Valley	OREGON TRAIL 11041634	16.63
NV_North Valley	OREGON TRAIL 1104circuit_breaker	10.72
NB_North Bay	PUEBLO 2103678	34.10
NV_North Valley	CEDAR CREEK 11011664	28.92
FR_Fresno	AUBERRY 1101R2578	39.56
SJ_Sierra	HIGGINS 1109circuit_breaker	27.68
SO_Sonoma	FITCH MOUNTAIN 11136751	20.60
SJ_Sierra	PIKE CITY 1101circuit_breaker	19.37
YO_Yosemite	MARIPOSA 210210880	39.25
HU_Humboldt	GARBERVILLE 110256048	4.84
SO_Sonoma	GEYSERVILLE 1101166	11.13
NV_North Valley	CEDAR CREEK 11011656	31.31
SJ_Sierra	BELL 11072400	10.93
SO_Sonoma	SALMON CREEK 110188998	7.87
SJ_Sierra	BANGOR 11017446	24.95
SJ_Sierra	MOUNTAIN QUARRIES 2101circuit_breaker	25.84
NV_North Valley	CEDAR CREEK 11011608	32.83
SJ_Sierra	BELL 110750172	5.66
HU_Humboldt	LAYTONVILLE 1102500	14.71
HU_Humboldt	LAYTONVILLE 1102572	20.91
CC_Central Coast	BIG BASIN 1102circuit_breaker	7.53
HU_Humboldt	MIDDLETOWN 1101622	11.29
NV_North Valley	RED BLUFF 11011334	39.97
YO_Yosemite	OAKHURST 1103circuit_breaker	26.56
HU_Humboldt	PHILO 110137222	25.12
SJ_Sierra	BELL 11082202	29.82
HU_Humboldt	UKIAH 1111534	18.28
HU_Humboldt	WILLITS 1102circuit_breaker	4.93
SJ_Sierra	APPLE HILL 21021532	36.91
NV_North Valley	WYANDOTTE 110979932	21.15
NV_North Valley	STILLWATER 110248952	10.02
SJ_Sierra	PENRYN 11032198	17.04
NV_North Valley	DESCHUTES 110449024	15.76
NV_North Valley	STILLWATER 11021644	22.82
SA_Sacramento	VACAVILLE 110838316	16.58
FR_Fresno	AUBERRY 1102circuit_breaker	32.93
SJ_Sierra	BRUNSWICK 11032784	14.53
NB_North Bay	LAS GALLINAS A 110599904	5.47
NV_North Valley	DESCHUTES 11049718	20.31
SJ_Sierra	BROWNS VALLEY 110193870	21.03
NV_North Valley	COTTONWOOD 110168190	23.68
YO_Yosemite	OAKHURST 110363334	13.88
SJ_Sierra	WISE 11022054	12.89
SJ_Sierra	SHINGLE SPRINGS 210912392	14.63
HU_Humboldt	WILLITS 110391810	26.04
SJ_Sierra	LINCOLN 11042070	21.10
FR_Fresno	TIVY VALLEY 1107584840	24.06
NV_North Valley	DESCHUTES 1104circuit_breaker	12.19
SJ_Sierra	BRUNSWICK 1103circuit_breaker	5.29
YO_Yosemite	SAN JOAQUIN #2 110310320	11.47
YO_Yosemite	COARSEGOLD 210310820	25.53
NV_North Valley	DESCHUTES 11049726	15.00
SJ_Sierra	DIAMOND SPRINGS 110519910	18.60
SJ_Sierra	BRUNSWICK 11041020	28.16
SJ_Sierra	BRUNSWICK 11042112	18.37
CC_Central Coast	CAMP EVERS 210510912	4.54
NV_North Valley	GIRVAN 11011330	30.51
NV_North Valley	GIRVAN 11011636	19.11
NV_North Valley	GIRVAN 11019732	20.06
SJ_San Jose	MORGAN HILL 2105XR564	5.21
NV_North Valley	OREGON TRAIL 11031500	7.57
LP_Los Padres	PASO ROBLES 1103N58	0.52
LP_Los Padres	SAN LUIS OBISPO 1107V60	15.18
NB_North Bay	SILVERADO 2104632	7.30

DIVISION	CIRCUIT_PR	REMAINING_MILES
NB_North Bay	SILVERADO 210478268	5.76
DJ_Diablo	SOBRANTE 1102circuit_breaker	10.66
PE_Peninsula	WOODSIDE 11018974	11.25
SI_Sierra	APPLE HILL 2102186912	17.00
SI_Sierra	APPLE HILL 210251792	4.17
SI_Sierra	APPLE HILL 21027502	0.14
SI_Sierra	APPLE HILL 210277546	22.78
SI_Sierra	APPLE HILL 21028372	27.89
SI_Sierra	BELL 1107circuit_breaker	0.11
SI_Sierra	BELL 1108circuit_breaker	0.37
SI_Sierra	BELL 111056214	0.07
HU_Humboldt	KONOCTI 11022293	0.12
HU_Humboldt	KONOCTI 1102532	0.09
HU_Humboldt	KONOCTI 1102596	0.22
SI_Sierra	BRUNSWICK 11052140	0.55
SI_Sierra	BRUNSWICK 11052210	4.11
SI_Sierra	BRUNSWICK 110663124	0.55
SI_Sierra	BRUNSWICK 1106circuit_breaker	0.11
SI_Sierra	BRUNSWICK 110750010	0.05
SI_Sierra	BRUNSWICK 111061602	0.08
SI_Sierra	DOBINS 11015202	0.42
SI_Sierra	EL DORADO PH 210119752	0.26
SI_Sierra	FORESTHILL 110150486	0.27
SI_Sierra	FORESTHILL 11022106	6.34
HU_Humboldt	KONOCTI 110264464	0.26
SI_Sierra	GRASS VALLEY 11032110	1.56
SI_Sierra	GRASS VALLEY 110358498	0.14
HU_Humboldt	KONOCTI 110264664	0.26
HU_Humboldt	KONOCTI 110275382	0.42
HU_Humboldt	KONOCTI 1102948	0.08
SI_Sierra	BRIDGEVILLE 110137484	1.15
SI_Sierra	BRIDGEVILLE 110169866	0.95
SI_Sierra	BRIDGEVILLE 1101circuit_breaker	0.46
SI_Sierra	GARBERVILLE 110135706	0.05
HU_Humboldt	KONOCTI 1102circuit_breaker	1.15
HU_Humboldt	LAYTONVILLE 11011760	0.10
SI_Sierra	NARROWS 210248484	8.20
SI_Sierra	NARROWS 21052216	0.08
SI_Sierra	OLETA 11021204	0.31
SI_Sierra	OLETA 110241396	0.12
SI_Sierra	PLACER 1103circuit_breaker	0.20
HU_Humboldt	RINCON 1103568	5.78
HU_Humboldt	POTTER VALLEY P H 11051904	0.09
HU_Humboldt	WILLITS 1103826	0.09
HU_Humboldt	WILLITS 110434006	0.70
HU_Humboldt	WILLITS 110434008	0.40
HU_Humboldt	WILLITS 1104504	0.98
HU_Humboldt	WILLITS 1104circuit_breaker	0.11
SI_Sierra	WISE 1102697216	0.11
NB_North Bay	CALISTOGA 1101734	6.32
YO_Yosemite	MARIPOSA 210237282	51.82
FR_Fresno	TIVY VALLEY 1107869946	14.51
FR_Fresno	TIVY VALLEY 1107R1817	13.65
SI_Sierra	HIGGINS 110950078	46.97
<b>Total</b>		<b>1905.16</b>

# Enhanced Vegetation Management (EVM) Update

Information Updated as of 28 February, 2021

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## Contents

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- 1 Workbook Description** - Overview of workbook contents and key definitions
- 2 Summary Reporting** - Summary statistics of the components of 2021 plan and execution of EVM work on mileage
- 3 2021 Certified EVM Plan** - List of projects determined to be in scope of 2021 plan (composed of the WGC Approved Plan "No Regrets", Commitments, and Additional Optimized Miles)

## Glossary - *In order of presentation*

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### Summary Reporting

Targeted Miles	Miles in the plan was approved on via the Wildfire Governance Committee
Commitments for 2021	The Commitment Miles were approved on 12/18/20
Additional Optimized Miles	The Additional Optimized Miles were approved on 12/18/20

### 2021 Certified EVM Plan

DIVISION	Division where CPZ is located.
CIRCUIT_PR	Circuit Protection Zone Name
REMAINING_MILES	Miles to be done in CPZ according to workplan.

# System Hardening Summary Reporting

Information Updated as of 3 March, 2021

## Summary

The 2021-2023 System Hardening LTIP metric has shifted to reflect a more risk informed execution strategy encompassing risk exposure, risk profile and risk effectiveness. The metric targets 200, 470 and 470 miles of System Hardening work in 2021, 2022 and 2023 respectively. The 2021 redeveloped plan is based on the updated risk modeling and is approved by the Wildfire Risk Governance Committee (WRGC). Given the risk model shift and the cycle time of System Hardening projects, the team is exploring a total of 535.6 miles of work to be able to achieve the 2021 target of 200 miles.

**2021 Progress:** 11.2 miles were constructed February YTD against the target of 10 miles. To create momentum for 2021, the program is pushing for scoping 200 miles by 3/15 and moving 200 miles out of estimating and into dependency by 3/31. Construction stretch goal is 300+ miles, including fire rebuild and line removal in 2021.

### Approved CPZs

	CPZ's Approved (#)	CPZ Miles Approved	CPZs with Active Jobs (#)	Active Job Miles
Total	114.0	1,201.1	87.0	524.0

### 08W Opportunity Hopper by Phase (Miles)

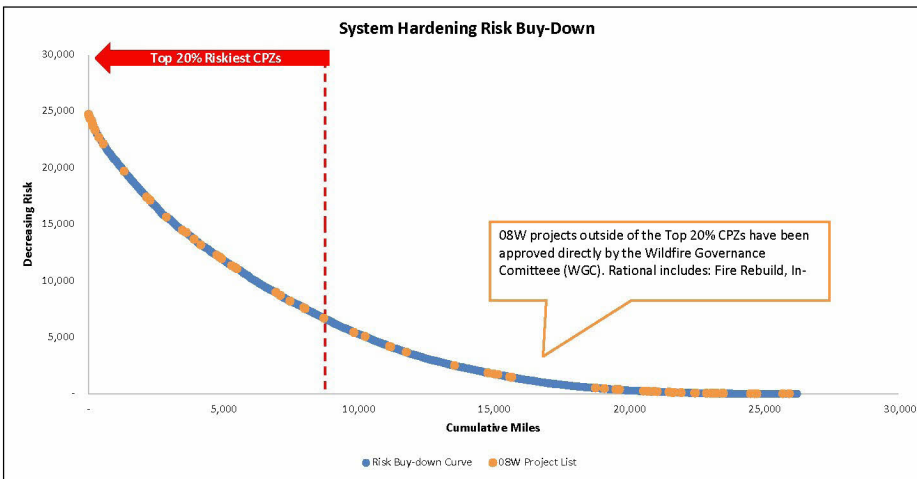
	Total	Scoping	Estimating	Dependencies	Construction	Close-out
Total	535.6	368.5	94.0	8.9	64.2	0.0

### 08W Opportunity Hopper (Miles)

	Total	Mitigation Approved	Mitigation Not Approved
Total	535.6	309.6	226.0

### 08W Opportunity Hopper - Approved Scope by Mitigation Type (Miles)

	Total	Overhead	Underground	Removal	Remote Grid
Total	317.4	194.7	112.0	8.6	2.0



### Supplemental Information:

The top 20% riskiest CPZs represent 73% of total system Risk and 8,762 miles.

The 08W Project List (orange dots) represents all CPZ's where there is an on-going system hardening project. All on-going projects have been approved by the WGC for risk characteristics or other factors on a case-by-case basis.

Order (SH Project)	Residual Miles (SAP EST)	Circuit Protection Zone	Mean Risk Rank	HFTD Tier	Planned Mitigation	Status
35223060	1.74	ALLEGHANY 1101VR816	2010	Multiple	Underground	Scoping
35234527		ALLEGHANY 1101VR816	2010	Multiple	TBD	Scoping
35234528		ALLEGHANY 1101VR816	2010	Multiple	TBD	Scoping
35234529		ALLEGHANY 1101VR816	2010	Multiple	TBD	Scoping
35223030	0.85	BANGOR 1101CB	355	Multiple	Underground	Scoping
35052731	1.47	BIG BASIN 110110296	2456	Tier 3	Overhead	Construction
35199565	2.56	BIG BEND 11021972	1288	Multiple	Overhead	Estimating
35200051	4.80	BIG BEND 11021972	1288	Multiple	Underground	Estimating
35223343	0.85	BIG BEND 11021972	1288	Tier 3	Underground	Estimating
35225821	0.95	BIG BEND 11021972	1288	Multiple	Underground	Estimating
35233166		BIG BEND 11021972	1288	Multiple	TBD	Estimating
35061206	1.77	BRUNSWICK 110350070	2144	Tier 3	Overhead	Construction
35117443	2.16	BRUNSWICK 110350070	2144	Tier 3	Overhead	Construction
35061212	1.79	BRUNSWICK 110350070	2144	Tier 3	Overhead	Construction
35115151	1.90	BRUNSWICK 110350070	2144	Tier 3	Overhead	Construction
35115152	1.57	BRUNSWICK 110350070	2144	Tier 3	Overhead	Construction
35223036	0.06	BRUNSWICK 1110CB	2134	Multiple	Underground	Scoping
35217268	0.26	BUCKS CREEK 1101CB	11	Multiple	Hybrid	Estimating
35224712	3.29	BUCKS CREEK 1101CB	11	Multiple	Hybrid	Estimating
35224713	1.87	BUCKS CREEK 1101CB	11	Multiple	Hybrid	Estimating
35223062	0.18	CALISTOGA 1102184814	3098	Tier 2	Underground	Scoping
35114100	1.04	CAMP EVERS 21065020	2464	Tier 3	Overhead	Construction
35192280	1.64	CLAYTON 221296224	377	Tier 3	Underground	Estimating
35225593	1.18	CLAYTON 221296224	377	Tier 3	Overhead	Estimating
35219097	2.36	COARSEGOLD 2104CB	22	Tier 2	Overhead	Estimating
35227260	2.36	COARSEGOLD 2104CB	22	Tier 2	Overhead	Estimating
35227261	2.16	COARSEGOLD 2104CB	22	Tier 2	Overhead	Estimating
35227262	1.40	COARSEGOLD 2104CB	22	Tier 2	Overhead	Estimating
35054184	0.91	COLUMBIA HILL 11012212	606	Tier 3	Overhead	Scoping
35226659	1.88	COLUMBIA HILL 11012212	606	Tier 3	Hybrid	Scoping
35226720	0.52	COLUMBIA HILL 11012212	606	Tier 3	Overhead	Scoping
35226723	1.04	COLUMBIA HILL 11012212	606	Tier 3	Hybrid	Scoping
35227204	1.30	COLUMBIA HILL 11012212	606	Tier 3	Overhead	Scoping
35229051	3.04	CORNING 110253184	413	Multiple	Rem.Grid/Removal	Scoping
35219286	2.91	DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35232960		DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35225825	1.53	DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35232442	3.13	DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35232443	1.00	DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35232444	3.47	DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35232445	2.60	DESCHUTES 11049718	48	Tier 2	Overhead	Scoping
35026643	1.63	DIAMOND SPRINGS 11052102	666	Tier 2	Rem.Grid/Removal	Scoping
35192290	5.00	DIAMOND SPRINGS 11071402	811	Tier 3	Overhead	Scoping
35192291	1.10	DIAMOND SPRINGS 11071402	811	Tier 3	Hybrid	Scoping
35226845	2.37	DIAMOND SPRINGS 11071402	811	Tier 3	Overhead	Estimating
31361965	0.00	DUNBAR 110147964	1794	Tier 3	Underground	Construction
35223063	0.15	DUNBAR 1101CB	2048	Tier 2	Underground	Scoping
35228774	0.97	DUNBAR 1101CB	2048	Tier 2	Underground	Scoping
35228775	0.89	DUNBAR 1101CB	2048	Tier 2	Underground	Scoping
35222235	2.60	DUNLAP 1102778286	2738	Multiple	Rem.Grid/Removal	Scoping
35226625	7.90	ELK CREEK 11012106	340	Multiple	Rem.Grid/Removal	Scoping
74022384	4.49	FITCH MOUNTAIN 111324918	481	Tier 3	Overhead	Construction
35226626	4.03	FITCH MOUNTAIN 11136751	945	Multiple	Rem.Grid/Removal	Scoping
31334291	0.00	FORT BRAGG A 11013113	2140	Tier 3	Overhead	Dependencies
35075103	0.59	FROGTOWN 17011623	721	Tier 3	Overhead	Estimating
35145540	1.27	FROGTOWN 1702CB	1316	Tier 3	Rem.Grid/Removal	Dependencies
35192292	0.95	FULTON 1107604	637	Tier 3	Hybrid	Scoping
35225594	0.53	FULTON 1107604	637	Tier 3	Hybrid	Scoping
35225595	0.88	FULTON 1107604	637	Tier 3	Overhead	Scoping
35225597	0.78	FULTON 1107604	637	Tier 3	Overhead	Estimating
35225598	0.88	FULTON 1107604	637	Tier 3	Overhead	Estimating
35220936	0.95	HALF MOON BAY 11036012	2186	Multiple	Underground	Scoping
35217274	2.52	HALF MOON BAY 110369412	2055	Multiple	Underground	Scoping

35217275	2.90	HALF MOON BAY 110369412	2055	Multiple	Underground	Scoping
35219099	17.30	HIGHLANDS 1102628	27	Multiple	Overhead	Scoping
35231620	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231621	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231622	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231623	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231624	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231625	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231626	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231627	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231628	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231629	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231630	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35231631	0.00	HIGHLANDS 1102628	27	Multiple	TBD	Scoping
35217272	0.34	KESWICK 11011586	7	Tier 3	Hybrid	Scoping
35226627	0.31	KESWICK 11011586	7	Tier 3	Overhead	Scoping
35226628	0.82	KESWICK 11011586	7	Tier 3	Underground	Scoping
35226629	4.70	KESWICK 11011586	7	Tier 3	Underground	Scoping
35226630	1.41	KESWICK 11011586	7	Tier 3	Overhead	Scoping
35226631	1.53	KESWICK 11011586	7	Tier 3	Overhead	Scoping
35219096	1.67	KIRKER 2104442850	21	Tier 2	Underground	Scoping
35227655	3.77	KIRKER 2104442850	21	Tier 2	Overhead	Scoping
35094397	1.06	KONOCTI 1102532	1999	Tier 3	Overhead	Construction
35217270	0.58	KONOCTI 1102965078	9	Tier 3	Overhead	Scoping
35225589	1.10	KONOCTI 1102965078	9	Tier 3	Overhead	Estimating
35225591	0.86	KONOCTI 1102965078	9	Tier 3	Rem.Grid/Removal	Estimating
35191319	1.17	LAS GALLINAS A 110599904	215	Tier 3	Underground	Scoping
35223615	1.63	LAS GALLINAS A 110599904	215	Tier 3	Underground	Scoping
35119965	0.85	LOS GATOS 1106LB44	1864	Tier 3	Overhead	Dependencies
35222236	0.99	MARIPOSA 210135244	428	Multiple	Rem.Grid/Removal	Scoping
35219268	1.62	MARIPOSA 210197142	36	Tier 2	Overhead	Estimating
35226241	1.48	MARIPOSA 210197142	36	Tier 2	Overhead	Estimating
35226240	1.46	MARIPOSA 210197142	36	Tier 2	Overhead	Estimating
35217267	0.71	MARIPOSA 2102241564	10	Multiple	Overhead	Estimating
35219267	4.27	MARIPOSA 2102440236	50	Multiple	Overhead	Scoping
35219587	2.16	MARIPOSA 2102440236	50	Multiple	Overhead	Scoping
35219588	2.16	MARIPOSA 2102440236	50	Multiple	Overhead	Scoping
35219266	2.60	MARIPOSA 2102CB	35	Tier 2	Overhead	Estimating
35227263	2.61	MARIPOSA 2102CB	35	Tier 2	Overhead	Estimating
35223038	0.87	MARTELL 1101CB	999	Tier 2	Underground	Scoping
35234284		MARTELL 1101CB	999	Tier 2	TBD	Scoping
35234526		MARTELL 1101CB	999	Tier 2	TBD	Scoping
35219098	0.72	MIDDLETOWN 110118494	23	Multiple	Overhead	Scoping
35229119	0.61	MIDDLETOWN 110118494	23	Multiple	Underground	Scoping
35137593	1.38	MIDDLETOWN 11014646	328	Tier 3	Overhead	Estimating
35137596	0.97	MIDDLETOWN 11014646	328	Tier 3	Overhead	Estimating
35219272	0.85	MIDDLETOWN 1101481876	38	Multiple	Overhead	Estimating
35192281	0.31	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35227027	0.98	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35227028	0.62	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35227029	1.09	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35227030	1.71	MIDDLETOWN 110148212	468	Tier 3	Hybrid	Scoping
35227031	2.03	MIDDLETOWN 110148212	468	Tier 3	Hybrid	Scoping
35192282	2.26	MIDDLETOWN 110148212	468	Tier 3	Underground	Scoping
35226621	2.66	MIDDLETOWN 110148212	468	Tier 3	Hybrid	Scoping
35226622	0.88	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35226623	1.30	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35226624	0.71	MIDDLETOWN 110148212	468	Tier 3	Overhead	Scoping
35174478	1.79	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35226857	1.94	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35226858	0.74	MIDDLETOWN 1101548	474	Tier 3	Rem.Grid/Removal	Scoping
35226859	0.88	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226861	0.75	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226862	0.58	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35174479	0.72	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226863	0.53	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping

35226864	0.33	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226865	0.24	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226866	0.52	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226870	0.42	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35226871	1.91	MIDDLETOWN 1101548	474	Tier 3	Hybrid	Scoping
35226872	1.49	MIDDLETOWN 1101548	474	Tier 3	Hybrid	Scoping
35226873	1.04	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35226878	0.59	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35227001	0.72	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35227002	0.43	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35227003	0.58	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35227004	0.35	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35174501	1.68	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35227007	1.13	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35227010	0.16	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35227013	0.03	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35227015	0.96	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35227018	1.20	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35227021	0.22	MIDDLETOWN 1101548	474	Tier 3	Overhead	Scoping
35227025	0.75	MIDDLETOWN 1101548	474	Tier 3	Hybrid	Scoping
35234756	2.78	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35234758	0.58	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35234862	0.08	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35234865	0.65	MIDDLETOWN 1101548	474	Tier 3	Underground	Scoping
35137590	0.53	MIDDLETOWN 1101CB	86	Tier 3	Overhead	Estimating
35217269	0.52	MIDDLETOWN 1102302610	8	Tier 2	Hybrid	Scoping
35226819	1.32	MIDDLETOWN 1102302610	8	Tier 2	Overhead	Scoping
35227160	2.84	MIDDLETOWN 1102302610	8	Tier 2	Hybrid	Scoping
35227161	0.73	MIDDLETOWN 1102302610	8	Tier 2	Overhead	Scoping
35227162	0.42	MIDDLETOWN 1102302610	8	Tier 2	Underground	Scoping
35227163	0.41	MIDDLETOWN 1102302610	8	Tier 2	Overhead	Scoping
35227164	0.56	MIDDLETOWN 1102302610	8	Tier 2	Overhead	Scoping
35217271	2.85	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35227860	0.20	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35227861	1.53	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35227862	0.93	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35227863	0.79	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35227864	1.84	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35227866	0.52	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35227867	1.00	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35227868	0.52	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35220895	2.15	MIDDLETOWN 1103830	14	Multiple	Hybrid	Scoping
35228186	1.48	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35228187	0.63	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35228188	3.73	MIDDLETOWN 1103830	14	Multiple	Rem.Grid/Removal	Scoping
35220896	0.28	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35227165	1.01	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35227167	1.80	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35227168	1.57	MIDDLETOWN 1103830	14	Multiple	Underground	Scoping
35222045	0.89	MIDDLETOWN 1103830	14	Multiple	Overhead	Scoping
35116383	1.39	MIWUK 1701953336	2267	Tier 3	Overhead	Construction
35116384	1.67	MIWUK 1701953336	2267	Tier 3	Overhead	Construction
35052737	1.59	MIWUK 1701953336	2267	Tier 3	Overhead	Dependencies
35115054	1.40	MIWUK 1701CB	2353	Tier 3	Overhead	Construction
35115050	1.61	MIWUK 1701CB	2353	Tier 3	Overhead	Construction
35115055	2.13	MIWUK 1701CB	2353	Tier 2	Overhead	Construction
35115053	1.72	MIWUK 1701CB	2353	Tier 3	Overhead	Construction
35052821	2.07	MIWUK 1701CB	2353	Tier 3	Overhead	Construction
35056746	2.03	MIWUK 1701CB	2353	Tier 3	Overhead	Construction
35116442	0.56	MIWUK 170238218	2678	Tier 3	Overhead	Construction
35116444	2.10	MIWUK 170238218	2678	Tier 3	Overhead	Construction
35116800	1.18	MIWUK 1702823548	2411	Tier 3	Overhead	Construction
35116391	0.71	MIWUK 1702CB	2369	Tier 3	Overhead	Construction
35116395	1.71	MIWUK 1702CB	2369	Tier 3	Overhead	Construction
35052825	1.17	MIWUK 170252247	2737	Tier 3	Overhead	Construction
35219281	2.50	MOUNTAIN QUARRIES 21016953	45	Multiple	Underground	Scoping



35232650	1.71	MOUNTAIN QUARRIES 21016953	45	Multiple	Underground	Scoping
35232651	1.74	MOUNTAIN QUARRIES 21016953	45	Multiple	Overhead	Scoping
35223032	0.44	MOUNTAIN QUARRIES 2101CB	68	Tier 2	Underground	Scoping
35222234	2.62	OAKHURST 110110090	421	Multiple	Rem.Grid/Removal	Scoping
35223037	0.05	OAKHURST 1101CB	847	Tier 3	Underground	Estimating
35192053	1.97	OAKHURST 11035120	1975	Tier 3	Overhead	Construction
35227096	1.06	OAKHURST 11035120	1975	Tier 3	Overhead	Construction
35227201	0.82	OAKHURST 11035120	1975	Tier 3	Overhead	Construction
35219591	2.88	OLETA 1101754718	54	Multiple	Overhead	Scoping
35219289	17.00	OREGON TRAIL 110335002	49	Multiple	Hybrid	Scoping
35233947		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233948		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233949		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233950		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233951		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35225826	9.75	OREGON TRAIL 110335002	49	Multiple	Hybrid	Scoping
35233952		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233953		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233955		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233957		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233959		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234381		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234382		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35225827	6.56	OREGON TRAIL 110335002	49	Multiple	Overhead	Scoping
35233954		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233956		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35233958		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234380		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234383		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234384		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234385		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234386		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35225828	8.42	OREGON TRAIL 110335002	49	Multiple	Hybrid	Scoping
35234387		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234388		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234389		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234390		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234391		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234392		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35225829	11.12	OREGON TRAIL 110335002	49	Multiple	Overhead	Scoping
35234393		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234394		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234395		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234396		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234397		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35219287	9.53	OREGON TRAIL 110335002	49	Multiple	Remote Grid / Removal	Scoping
35234398		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234399		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234400		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35234401		OREGON TRAIL 110335002	49	Multiple	TBD	Scoping
35114040	1.48	PINE GROVE 11021222	2271	Tier 3	Overhead	Construction
35114048	1.39	PINE GROVE 11021222	2271	Tier 3	Overhead	Construction
35114051	1.44	PINE GROVE 11021222	2271	Tier 3	Overhead	Construction
35219543	0.24	PLACERVILLE 1112CB	2123	Tier 2	Underground	Scoping
35219542	0.14	PLACERVILLE 1112CB	2123	Tier 2	Underground	Scoping
35175853	0.70	PLACERVILLE 21061104	2131	Multiple	Rem.Grid/Removal	Scoping
35224377	1.13	PLACERVILLE 21067522	1363	Tier 3	Underground	Scoping
35233995		PLACERVILLE 21067522	1363	Tier 3	TBD	Scoping
35233996		PLACERVILLE 21067522	1363	Tier 3	TBD	Scoping
35219280	0.15	POTTER VALLEY P H 110564118	43	Tier 2	Underground	Scoping
35226632	1.68	POTTER VALLEY P H 110564118	43	Tier 2	Overhead	Scoping
35191937	1.45	PUEBLO 2102792	951	Tier 3	Overhead	Scoping
35227032	0.58	PUEBLO 2102792	951	Tier 3	Overhead	Scoping
35227033	1.31	PUEBLO 2102792	951	Tier 3	Rem.Grid/Removal	Scoping
35219275	0.52	PUTAH CREEK 110246012	41	Tier 2	Overhead	Estimating
35145524	1.50	RINCON 1103CB	1755	Tier 3	Underground	Dependencies

35145525	1.78	RINCON 1104CB	3302	Tier 2	Underground	Dependencies
35228449	2.89	Rio Dell 11024230	585	Tier 2	Overhead	Construction
35085847	0.00	ROB ROY 210512474	3283	Tier 3	Overhead	Dependencies
35015704	0.00	ROB ROY 210512474	3283	Tier 3	Overhead	Dependencies
35062376	4.32	SHINGLE SPRINGS 210935598	159	Tier 3	Underground	Scoping
35226852	2.49	SHINGLE SPRINGS 210935598	159	Tier 3	Overhead	Estimating
35226853	2.80	SHINGLE SPRINGS 210935598	159	Tier 3	Overhead	Estimating
35226854	1.03	SHINGLE SPRINGS 210935598	159	Tier 3	Overhead	Estimating
35226856	1.94	SHINGLE SPRINGS 210935598	159	Tier 3	Overhead	Estimating
35062374	1.54	SHINGLE SPRINGS 21099372	227	Tier 3	Underground	Scoping
35226846	1.73	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35226847	1.98	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35231607	1.65	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35231608	0.33	SHINGLE SPRINGS 21099372	227	Tier 3	Underground	Scoping
35231609	1.33	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Scoping
35062375	1.09	SHINGLE SPRINGS 21099372	227	Tier 3	Underground	Estimating
35226848	2.44	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35226849	1.78	SHINGLE SPRINGS 21099372	227	Tier 3	Underground	Scoping
35226850	1.55	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35226851	1.88	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35232280	0.60	SHINGLE SPRINGS 21099372	227	Tier 3	Overhead	Estimating
35191318	2.22	SILVERADO 210258626	663	Tier 3	Overhead	Estimating
35191383	1.33	SILVERADO 210258626	663	Tier 3	Overhead	Estimating
35192284	1.09	SILVERADO 2104726	279	Tier 3	Underground	Scoping
35223024	1.27	SILVERADO 2104726	279	Tier 3	Underground	Scoping
35223026	1.03	SILVERADO 2104726	279	Tier 3	Overhead	Scoping
35223027	1.57	SILVERADO 2104726	279	Tier 3	Overhead	Estimating
35223028	1.21	SILVERADO 2104726	279	Tier 3	Overhead	Scoping
35157845	1.27	SILVERADO 2105658898	1361	Tier 2	Overhead	Construction
35094513	1.91	STANISLAUS 17021804	2712	Tier 3	Overhead	Dependencies
35116515	1.75	STANISLAUS 17021888	2386	Tier 3	Overhead	Construction
35219093	1.14	TIDEWATER 210614072	18	Tier 2	Underground	Scoping
35231543	1.30	TIDEWATER 210614072	18	Tier 2	Underground	Scoping
35231544	1.20	TIDEWATER 210614072	18	Tier 2	Overhead	Scoping
35217273	1.11	UPPER LAKE 1101CB	6	Tier 2	Rem.Grid/Removal	Scoping
35219291	0.40	VACA DIXON 1101126774	20	Tier 2	Overhead	Estimating
35219269	32.72	VACA DIXON 110540092	37	Multiple	Hybrid	Scoping
35219590	0.75	VACA DIXON 1105965390	53	Tier 2	Overhead	Scoping
35219276	2.16	VACAVILLE 11046542	42	Tier 3	Underground	Scoping
35227651	2.31	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
35227652	0.41	VACAVILLE 11046542	42	Tier 3	Underground	Scoping
35227653	2.00	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
35227654	0.72	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
35224378	3.60	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
35227870	1.35	VACAVILLE 11046542	42	Tier 3	Underground	Scoping
35227656	0.75	VACAVILLE 11046542	42	Tier 3	Underground	Scoping
35227657	1.00	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
35227658	0.04	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
35227659	0.24	VACAVILLE 11046542	42	Tier 3	Overhead	Scoping
77799999	31.80	VARIOUS	0	Multiple	Rem.Grid/Removal	Scoping
35219273	3.46	VOLTA 110149742	39	Tier 2	Overhead	Estimating
35219589	3.03	WILDWOOD 11011454	52	Tier 2	Overhead	Scoping
35224321	2.46	WILDWOOD 11011454	52	Tier 2	Overhead	Scoping
35226798	1.72	WILDWOOD 11011454	52	Tier 2	Overhead	Scoping
35226799	0.19	WILDWOOD 11011454	52	Tier 2	Overhead	Scoping
35226900	0.69	WILDWOOD 11011454	52	Tier 2	Overhead	Scoping
35199565	6.72	WYANDOTTE 11031508	1176	Multiple	Overhead	Estimating
35200051	7.25	WYANDOTTE 11031508	1176	Multiple	Underground	Estimating
35225824	2.55	WYANDOTTE 11031508	1176	Multiple	Underground	Construction
35229043	0.41	WYANDOTTE 11031974	1849	Tier 3	Underground	Scoping
35223344	1.72	WYANDOTTE 11031974	1849	Tier 3	Underground	Estimating
35225822	1.09	WYANDOTTE 11031974	1849	Tier 3	Underground	Estimating
35232298	0.24	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233038	0.23	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233039	0.37	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233300	0.32	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction

35233301	0.36	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233302	0.12	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233303	0.09	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233304	0.30	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233305	0.29	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233306	0.26	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233307	0.60	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233308	0.93	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233309	0.37	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233310	0.15	WYANDOTTE 11031974	1849	Tier 3	Underground	Construction
35233311		WYANDOTTE 11031974	1849	Tier 3	TBD	Construction
35233312		WYANDOTTE 11031974	1849	Tier 3	TBD	Construction
35233314		WYANDOTTE 11031974	1849	Tier 3	TBD	Construction
35233315		WYANDOTTE 11031974	1849	Tier 3	TBD	Construction
35232718		WYANDOTTE 11031974	1849	Tier 3	TBD	Estimating
35223345	2.49	WYANDOTTE 11031976	1299	Tier 3	Underground	Construction
35225823	1.72	WYANDOTTE 11031976	1299	Tier 3	Underground	Construction
35219260	0.84	WYANDOTTE 110932586	29	Tier 2	Overhead	Scoping
35226700	0.46	WYANDOTTE 110932586	29	Tier 2	Underground	Scoping
35223039	0.61	WYANDOTTE 1109702710	218	Tier 2	Hybrid	Scoping
<b>Totals</b>	<b>535.6</b>					

# System Hardening Update

Information Updated as of 3 March, 2021

## Contents

**1 Workbook Description** - Overview of workbook contents and key definitions

**2 Summary Reporting** - Summary Statistics for on-going System Hardening efforts

**3 O&W Project List** - List of projects in Scoping, Estimating, Dependency Clearing, Construction\*

\*Total approved CPZ miles (1,201) reflects the miles which the hardening team has been approved to scope by the Wildfire Governance Committee (WGC). Residual miles (536) reflects the number of miles that the system hardening team has estimated based on existing projects in the pipeline.

## Glossary - In order of presentation

### Summary Reporting

CPZ's Approved	Number of CPZ's approved by the WGC based on risk characteristics and other considerations.
CPZ Miles Approved	Number of miles the hardening team has been approved to scope within the approved CPZs.
CPZs with Active Jobs	Number of CPZs where the hardening team is actively pursuing a projects (some CPZs have many projects)
Active Job Miles	Number of miles being pursued with active projects.
Mitigation Approved	Number of miles which have had a specific mitigation approved by the WGC.
Mitigation Not Approved	Number of miles which have yet to be approved for a specific mitigation by the WGC.
Scoping	Initial phase of project lifecycle which ends once a mitigation is approved by the WGC.
Estimating	Second phase of project lifecycle; Refining project scope and estimates with detailed estimates and project planning.
Dependencies	Third phase of project lifecycle; Clearing all dependencies required to execute the project (e.g., Easements, Permitting, etc.)
Construction	Fourth phase of project lifecycle; field team execute the project as scoped.
Close-out	Final phase of the project lifecycle; Closing and documenting the project.
Overhead	Miles mitigated with Overhead Hardening.
Underground	Miles mitigated with Underground Hardening.
Removal	Miles mitigated with line Removal.
Remote Grid	Miles mitigated with a Remote Grid Solution.

### O&W Project List

Order	SAP order number for the system hardening job / project.
Residual Miles (SAP EST)	Number of miles anticipated to be hardened within the CPZ, based on current assumptions on the mitigation.
Circuit Protection Zone	Unique name for each Circuit Protection Zone.
Mean Risk Rank	The rank of the circuit protection zone from 1-N based on the 2021 Wildfire Risk Model
HFTD Tier	Description of HFTD tiers in the CPZ (e.g., Tier 2, Tier 3).
Planned Mitigation	Mitigation planned (e.g., Overhead Harden, Underground Harden, Line Removal / Remote Grid).
Status	Current status of project (e.g., Scoping, Estimating, Dependencies, Construction, Close-out).