

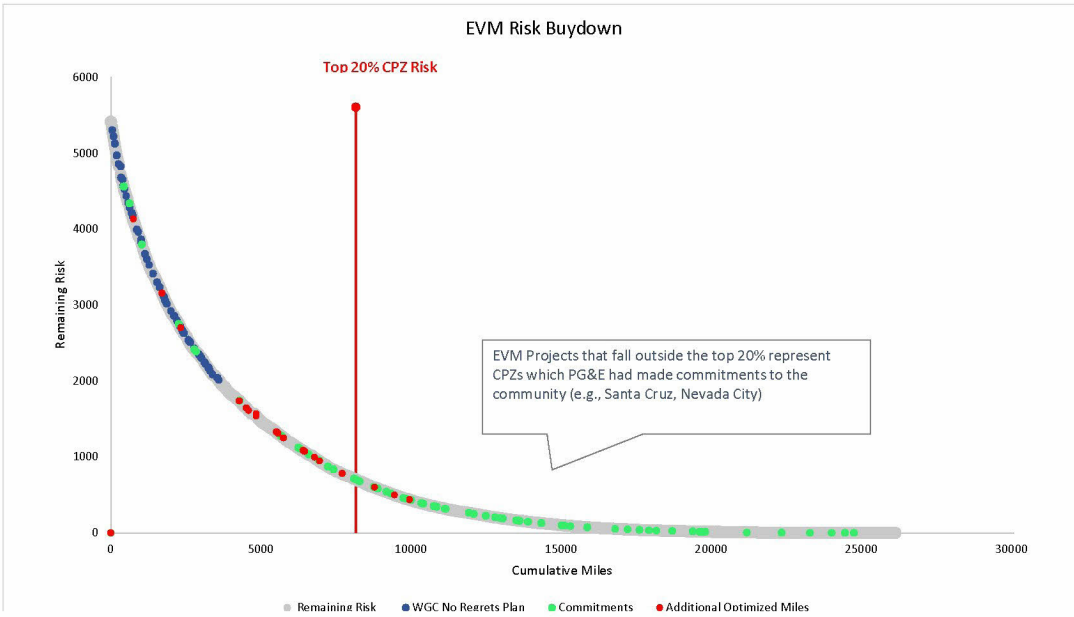
# Enhanced Vegetation Management (EVM) Summary Reporting

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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- 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)

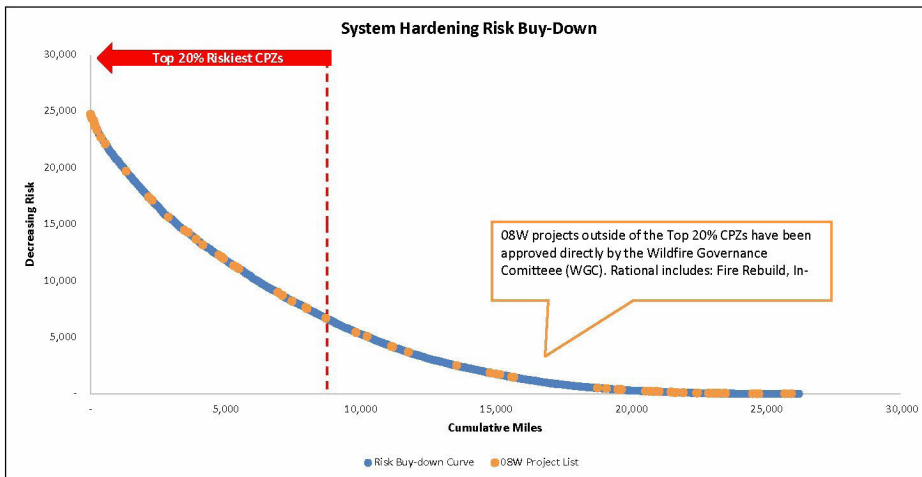
|       | Total | Scoping | Estimating | Dependencies | Construction | Close-out |
|-------|-------|---------|------------|--------------|--------------|-----------|
| Total | 535.6 | 368.5   | 94.0       | 8.9          | 64.2         | 0.0       |

### 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      |

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| 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 |

|          |       |                           |      |          |                  |              |
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| 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).              |