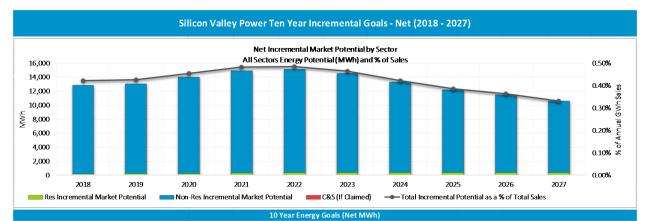
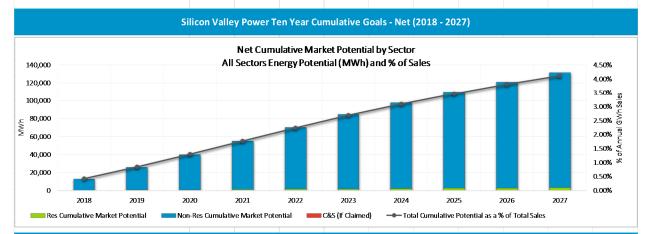
| DOCKETED | |
|------------------|---|
| Docket Number: | 18-IRP-01 |
| Project Title: | Integrated Resource Plan |
| TN #: | 229520 |
| Document Title: | Silicon Valley Power Potentila EE Model Output Table |
| Description: | As requested to support the IRP. SVP has submitted the EE Model |
| | Output Table |
| Filer: | Kathleen Hughes |
| Organization: | City of Santa Clara/Silicon Valley Power |
| Submitter Role: | Applicant |
| Submission Date: | 8/23/2019 9:13:52 AM |
| Docketed Date: | 8/23/2019 |



| ALL Sectors (MWh) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Incremental Market Potential | 12,851 | 13,032 | 14,015 | 14,928 | 15,129 | 14,565 | 13,333 | 12,192 | 11,528 | 10,590 |
| Res Incremental Market Potential | 205 | 238 | 277 | 328 | 371 | 383 | 388 | 392 | 395 | 397 |
| Non-Res Incremental Market Potential | 12,646 | 12,794 | 13,738 | 14,600 | 14,758 | 14,182 | 12,945 | 11,800 | 11,132 | 10,193 |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | |
| Total Incremental Potential as a % of Total Sales | 0.42% | 0.43% | 0.46% | 0.48% | 0.48% | 0.46% | 0.42% | 0.38% | 0.36% | 0.33% |
| Res Incremental Potential as a % of Res Sales | 0.09% | 0.10% | 0.12% | 0.14% | 0.15% | 0.16% | 0.16% | 0.16% | 0.16% | 0.16% |
| Non-Res Incremental Potential as a % of Non-Res Sales | 0.45% | 0.45% | 0.48% | 0.51% | 0.51% | 0.49% | 0.44% | 0.40% | 0.38% | 0.34% |
| | | | | | | | | | | |

| 10 Year Demand Goals (kW) | | | | | | | | | | | | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | | | | | | | | | | | | |
| ALL Sectors (kW) | | | | | | | | | | | | |
| Total Incremental Market Potential | 2,747 | 2,760 | 2,909 | 3,062 | 3,091 | 2,904 | 2,560 | 2,130 | 1,989 | 1,815 | | |
| Res Incremental Market Potential | 25 | 29 | 32 | 34 | 35 | 36 | 37 | 38 | 38 | 38 | | |
| Non-Res Incremental Market Potential | 2,722 | 2,731 | 2,877 | 3,028 | 3,056 | 2,867 | 2,523 | 2,093 | 1,951 | 1,777 | | |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | | | | | | | | | | |



| 10 Year Energy Goals (Cumulative Net MWh) | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--|--|--|
| | | | | | | | | | | | | | |
| ALL Sectors (Cumulative MWh) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | | | |
| Total Cumulative Market Potential | 12,851 | 25,883 | 39,898 | 54,826 | 69,955 | 84,511 | 97,718 | 109,759 | 121,093 | 131,343 | | | |
| Res Cumulative Market Potential | 205 | 443 | 721 | 1,049 | 1,419 | 1,795 | 2,089 | 2,373 | 2,651 | 2,922 | | | |
| Non-Res Cumulative Market Potential | 12,646 | 25,440 | 39,177 | 53,777 | 68,536 | 82,716 | 95,629 | 107,386 | 118,443 | 128,421 | | | |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | | | | | | |
| Total Cumulative Potential as a % of Total Sales | 0.42% | 0.84% | 1.30% | 1.77% | 2.24% | 2.69% | 3.10% | 3.46% | 3.81% | 4.11% | | | |
| Res Cumulative Potential as a % of Res Sales | 0.09% | 0.19% | 0.30% | 0.43% | 0.58% | 0.73% | 0.85% | 0.96% | 1.07% | 1.17% | | | |
| Non-Res Cumulative Potential as a % of Non-Res Sales | 0.45% | 0.89% | 1.37% | 1.87% | 2.36% | 2.84% | 3.27% | 3.66% | 4.02% | 4.34% | | | |
| | | | | | | | | | | | | | |

| | 10 Year Demand Goals (Cumulative kW) | | | | | | | | | | | | | |
|-------------------------------------|--------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | | | | | | | | |
| ALL Sectors (Cumulative kW) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | | | | |
| Total Cumulative Market Potential | 2,747 | 5,507 | 8,416 | 11,479 | 14,570 | 17,472 | 20,012 | 22,120 | 24,079 | 25,845 | | | | |
| Res Cumulative Market Potential | 25 | 54 | 86 | 120 | 156 | 190 | 209 | 225 | 239 | 253 | | | | |
| Non-Res Cumulative Market Potential | 2,722 | 5,453 | 8,330 | 11,358 | 14,414 | 17,282 | 19,803 | 21,896 | 23,840 | 25,593 | | | | |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |

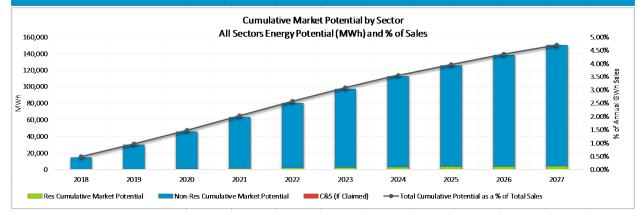


| | 10 Year Energy Goals (Gross MWh) | | | | | | | | | | | | | |
|---|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | | | | | | | | |
| ALL Sectors (MWh) | | | | | 2022 | | 2024 | | | 2027 | | | | |
| Total Incremental Market Potential | 14,757 | 14,936 | 16,063 | 17,116 | 17,351 | 16,701 | 15,274 | 13,928 | 13,141 | 12,053 | | | | |
| Res Incremental Market Potential | 296 | 344 | 401 | 475 | 536 | 554 | 562 | 569 | 573 | 577 | | | | |
| Non-Res Incremental Market Potential | 14,461 | 14,592 | 15,662 | 16,641 | 16,815 | 16,146 | 14,712 | 13,359 | 12,568 | 11,477 | | | | |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | | | | | | | | | | | |
| Total Incremental Potential as a % of Total Sales | 0.48% | 0.49% | 0.52% | 0.55% | 0.56% | 0.53% | 0.48% | 0.44% | 0.41% | 0.38% | | | | |
| Res Incremental Potential as a % of Res Sales | 0.12% | 0.14% | 0.17% | 0.20% | 0.22% | 0.23% | 0.23% | 0.23% | 0.23% | 0.23% | | | | |
| Non-Res Incremental Potential as a % of Non-Res Sales | 0.51% | 0.51% | 0.55% | 0.58% | 0.58% | 0.55% | 0.50% | 0.45% | 0.43% | 0.39% | | | | |
| | | | | | | | | | | | | | | |

10 Year Demand Goals (kW)

| ALL Sectors (kW) | | | | | 2022 | | 2024 | | | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Incremental Market Potential | 3,149 | 3,157 | 3,326 | 3,501 | 3,533 | 3,317 | 2,921 | 2,424 | 2,258 | 2,056 |
| Res Incremental Market Potential | 36 | 42 | 46 | 49 | 51 | 53 | 54 | 55 | 55 | 56 |
| Non-Res Incremental Market Potential | 3,113 | 3,115 | 3,280 | 3,452 | 3,482 | 3,264 | 2,867 | 2,370 | 2,203 | 2,001 |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | |
| | | | | | | | | | | |

Silicon Valley Power Ten Year Cumulative Goals - Gross (2018 - 2027)



| 10 Year Energy Goals (Cumulative Gross MWh) | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--|--|--|
| | | | | | | | | | | | | | |
| ALL Sectors (Cumulative MWh) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 202 | | | |
| Total Cumulative Market Potential | 14,757 | 29,693 | 45,756 | 62,872 | 80,224 | 96,911 | 112,015 | 125,742 | 138,630 | 150,263 | | | |
| Res Cumulative Market Potential | 296 | 640 | 1,042 | 1,517 | 2,053 | 2,597 | 3,025 | 3,440 | 3,844 | 4,24: | | | |
| Non-Res Cumulative Market Potential | 14,461 | 29,053 | 44,715 | 61,356 | 78,171 | 94,315 | 108,990 | 122,302 | 134,785 | 146,020 | | | |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (| | | |
| | | | | | | | | | | | | | |
| Total Cumulative Potential as a % of Total Sales | 0.48% | 0.97% | 1.49% | 2.03% | 2.57% | 3.08% | 3.55% | 3.97% | 4.36% | 4.70% | | | |
| Res Cumulative Potential as a % of Res Sales | 0.12% | 0.27% | 0.43% | 0.63% | 0.84% | 1.06% | 1.23% | 1.39% | 1.55% | 1.70% | | | |
| Non-Res Cumulative Potential as a % of Non-Res Sales | 0.51% | 1.02% | 1.56% | 2.13% | 2.69% | 3.24% | 3.72% | 4.16% | 4.57% | 4.93% | | | |
| | | | | | | | | | | | | | |

| | 10 Year Demand Goals (Cumulative kW) | | | | | | | | | | | | | |
|-------------------------------------|--------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | | | | | | | | |
| ALL Sectors (Cumulative kW) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | | | | |
| Total Cumulative Market Potential | 3,149 | 6,306 | 9,632 | 13,133 | 16,666 | 19,980 | 22,873 | 25,263 | 27,477 | 29,467 | | | | |
| Res Cumulative Market Potential | 36 | 78 | 124 | 174 | 225 | 276 | 302 | 326 | 347 | 367 | | | | |
| Non-Res Cumulative Market Potential | 3,113 | 6,227 | 9,507 | 12,959 | 16,441 | 19,705 | 22,570 | 24,937 | 27,130 | 29,100 | | | | |
| C&S (If Claimed) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |

Silicon Valley Power Ten Year Incremental Goals - Gross (2018 - 2027)