

Other System Sizes And Variables

Calculations and Worksheets Available By Request

| Southern Nevada NV Energy Cost and Savings Matrix 15kW (\$3.25 Watt install cost) | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|------------------|---------------------------------|--------|--------|--------|--------|------------------------------|-------------|-------------|-------------|-------------|------------------------------|---------|----------------|-------|-------|-------|-------|
| System Size | System is designed to provide | Export Solar kWh | Change in Savings Vs. Non-Solar | | | | | Step Cost Increase from NEM1 | | | | | Return On Investment (Years) | | | | | | |
| | | | NEM1 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Old ROI | Installed 2015 | 2016 | 2017 | 2018 | 2019 |
| 15 kW | 19.4% | 80% | 19% | 19% | 18% | 17% | 16% | 16% | \$ 73.05 | \$ 217.09 | \$ 342.93 | \$ 471.41 | \$ 539.00 | 11.77 | 12.89 | 13.12 | 13.32 | 13.52 | 13.72 |
| | | 42% | 19% | 20% | 20% | 20% | 20% | 20% | \$ (88.90) | \$ (97.92) | \$ (116.43) | \$ (124.88) | \$ (182.77) | 11.77 | 11.43 | 11.37 | 11.34 | 11.31 | 11.28 |
| | | 20% | 19% | 20% | 21% | 22% | 22% | 23% | \$ (182.67) | \$ (280.29) | \$ (382.38) | \$ (470.11) | \$ (600.63) | 11.77 | 10.85 | 10.68 | 10.56 | 10.44 | 10.32 |
| | 60.9% | 80% | 59% | 52% | 45% | 38% | 32% | 26% | \$ 351.80 | \$ 698.74 | \$ 1,027.47 | \$ 1,343.32 | \$ 1,629.34 | 11.77 | 18.28 | 19.56 | 20.57 | 21.57 | 22.58 |
| | | 42% | 59% | 55% | 51% | 47% | 44% | 41% | \$ 189.85 | \$ 383.73 | \$ 568.11 | \$ 747.02 | \$ 907.57 | 11.77 | 14.06 | 14.51 | 14.87 | 15.23 | 15.59 |
| | | 20% | 59% | 57% | 55% | 53% | 51% | 49% | \$ 26.09 | \$ 201.36 | \$ 302.17 | \$ 401.79 | \$ 489.71 | 11.77 | 12.77 | 12.97 | 13.13 | 13.30 | 13.46 |
| | 98.6% | 80% | 94% | 81% | 68% | 57% | 45% | 35% | \$ 401.63 | \$ 784.83 | \$ 1,149.83 | \$ 1,499.16 | \$ 1,824.22 | 11.77 | 20.39 | 22.09 | 23.41 | 24.74 | 26.06 |
| | | 42% | 94% | 86% | 79% | 71% | 65% | 58% | \$ 239.67 | \$ 469.82 | \$ 690.47 | \$ 902.86 | \$ 1,102.46 | 11.77 | 14.86 | 15.48 | 15.96 | 16.44 | 16.92 |
| | | 20% | 94% | 89% | 84% | 80% | 76% | 72% | \$ 145.91 | \$ 287.45 | \$ 424.52 | \$ 557.64 | \$ 684.59 | 11.77 | 13.31 | 13.62 | 13.86 | 14.10 | 14.35 |

| Southern Nevada NV Energy Cost and Savings Matrix 10kW (\$3.30 Watt Install Cost) | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|------------------|---------------------------------|--------|--------|--------|--------|------------------------------|-------------|-------------|-------------|-------------|------------------------------|---------|----------------|-------|-------|-------|-------|
| System Size | System is designed to provide | Export Solar kWh | Change in Savings Vs. Non-Solar | | | | | Step Cost Increase from NEM1 | | | | | Return On Investment (Years) | | | | | | |
| | | | NEM1 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Old ROI | Installed 2015 | 2016 | 2017 | 2018 | 2019 |
| 10 kW | 19.4% | 80% | 19% | 18% | 17% | 16% | 15% | 15% | \$ 69.50 | \$ 187.56 | \$ 293.21 | \$ 400.63 | \$ 466.39 | 11.65 | 13.11 | 13.42 | 13.68 | 13.94 | 14.20 |
| | | 42% | 19% | 20% | 19% | 19% | 19% | 19% | \$ (41.30) | \$ (27.94) | \$ (21.05) | \$ (7.31) | \$ (27.39) | 11.65 | 11.52 | 11.51 | 11.51 | 11.52 | 11.53 |
| | | 20% | 19% | 20% | 21% | 21% | 21% | 22% | \$ (105.44) | \$ (152.71) | \$ (202.99) | \$ (243.48) | \$ (313.25) | 11.65 | 10.91 | 10.78 | 10.68 | 10.59 | 10.50 |
| | 60.9% | 80% | 58% | 51% | 43% | 36% | 29% | 23% | \$ 260.20 | \$ 517.06 | \$ 761.51 | \$ 997.11 | \$ 1,212.30 | 11.65 | 19.39 | 20.96 | 22.20 | 23.43 | 24.67 |
| | | 42% | 58% | 54% | 49% | 45% | 41% | 37% | \$ 149.40 | \$ 301.56 | \$ 447.26 | \$ 589.17 | \$ 718.53 | 11.65 | 14.41 | 14.98 | 15.43 | 15.88 | 16.33 |
| | | 20% | 58% | 56% | 53% | 50% | 48% | 45% | \$ 85.26 | \$ 176.79 | \$ 265.32 | \$ 353.00 | \$ 432.66 | 11.65 | 12.97 | 13.25 | 13.48 | 13.70 | 13.92 |
| | 98.6% | 80% | 92% | 78% | 65% | 53% | 41% | 29% | \$ 294.28 | \$ 575.95 | \$ 845.22 | \$ 1,103.72 | \$ 1,345.62 | 11.65 | 22.06 | 24.17 | 25.82 | 27.46 | 29.11 |
| | | 42% | 92% | 83% | 75% | 67% | 59% | 52% | \$ 183.49 | \$ 360.45 | \$ 530.96 | \$ 695.79 | \$ 851.85 | 11.65 | 15.32 | 16.08 | 16.67 | 17.26 | 17.85 |
| | | 20% | 92% | 86% | 81% | 76% | 70% | 65% | \$ 119.34 | \$ 235.69 | \$ 349.02 | \$ 459.61 | \$ 565.98 | 11.65 | 13.57 | 13.97 | 14.28 | 14.60 | 14.92 |

| Southern Nevada NV Energy Cost and Savings Matrix 6kW (\$3.50 Watt Install Cost) | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|------------------|---------------------------------|--------|--------|--------|--------|------------------------------|------------|------------|------------|------------|------------------------------|---------|----------------|-------|-------|-------|-------|
| System Size | System is designed to provide | Export Solar kWh | Change in Savings Vs. Non-Solar | | | | | Step Cost Increase from NEM1 | | | | | Return On Investment (Years) | | | | | | |
| | | | NEM1 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Old ROI | Installed 2015 | 2016 | 2017 | 2018 | 2019 |
| 6 kW | 19.4% | 80% | 19% | 18% | 16% | 15% | 14% | 13% | \$ 66.55 | \$ 163.08 | \$ 252.00 | \$ 341.97 | \$ 406.21 | 12.01 | 14.53 | 15.03 | 15.44 | 15.86 | 16.27 |
| | | 42% | 19% | 19% | 18% | 18% | 18% | 17% | \$ (1.85) | \$ 30.04 | \$ 57.99 | \$ 90.12 | \$ 101.37 | 12.01 | 12.39 | 12.48 | 12.57 | 12.66 | 12.75 |
| | | 20% | 19% | 20% | 20% | 20% | 20% | 20% | \$ (41.45) | \$ (46.98) | \$ (54.33) | \$ (55.68) | \$ (75.11) | 12.01 | 11.61 | 11.55 | 11.52 | 11.50 | 11.47 |
| | 60.9% | 80% | 57% | 48% | 40% | 32% | 24% | 17% | \$ 184.28 | \$ 366.51 | \$ 541.11 | \$ 710.21 | \$ 866.71 | 12.01 | 24.71 | 27.14 | 29.04 | 30.95 | 32.86 |
| | | 42% | 57% | 51% | 46% | 41% | 35% | 31% | \$ 115.88 | \$ 233.46 | \$ 347.11 | \$ 458.37 | \$ 561.87 | 12.01 | 16.39 | 17.24 | 17.91 | 18.59 | 19.26 |
| | | 20% | 57% | 53% | 49% | 46% | 42% | 39% | \$ 76.28 | \$ 156.44 | \$ 234.79 | \$ 312.56 | \$ 385.39 | 12.01 | 14.34 | 14.80 | 15.17 | 15.53 | 15.90 |
| | 98.6% | 80% | 88% | 73% | 59% | 45% | 32% | 20% | \$ 205.32 | \$ 402.87 | \$ 592.79 | \$ 776.03 | \$ 949.02 | 12.01 | 30.12 | 33.56 | 36.26 | 38.97 | 41.67 |
| | | 42% | 88% | 78% | 68% | 59% | 50% | 42% | \$ 136.92 | \$ 269.82 | \$ 398.78 | \$ 524.19 | \$ 644.18 | 12.01 | 17.78 | 18.89 | 19.76 | 20.64 | 21.51 |
| | | 20% | 88% | 81% | 74% | 67% | 61% | 54% | \$ 97.32 | \$ 192.80 | \$ 286.46 | \$ 378.38 | \$ 467.70 | 12.01 | 15.18 | 15.80 | 16.29 | 16.77 | 17.26 |

| Southern Nevada NV Energy Cost and Savings Matrix 2kW (\$4.00 Watt Install Cost) | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|------------------|---------------------------------|--------|--------|--------|--------|------------------------------|-----------|-----------|-----------|-----------|------------------------------|---------|----------------|---------|----------|----------|----------|
| System Size | System is designed to provide | Export Solar kWh | Change in Savings Vs. Non-Solar | | | | | Step Cost Increase from NEM1 | | | | | Return On Investment (Years) | | | | | | |
| | | | NEM1 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Old ROI | Installed 2015 | 2016 | 2017 | 2018 | 2019 |
| 2 kW | 19.4% | 80% | 18% | 15% | 12% | 8% | 5% | 2% | \$ 63.31 | \$ 136.18 | \$ 206.69 | \$ 277.46 | \$ 340.04 | 14.36 | 64.70 | 71.51 | 77.06 | 82.60 | 88.14 |
| | | 42% | 18% | 16% | 14% | 11% | 9% | 7% | \$ 41.53 | \$ 93.80 | \$ 144.90 | \$ 197.25 | \$ 242.95 | 14.36 | 26.35 | 28.00 | 17.37 | 30.74 | 32.11 |
| | | 20% | 18% | 17% | 15% | 13% | 11% | 9% | \$ 28.92 | \$ 69.27 | \$ 109.13 | \$ 150.81 | \$ 186.74 | 14.36 | 20.90 | 21.82 | 10.59 | 23.37 | 24.15 |
| | 60.9% | 80% | 49% | 36% | 24% | 11% | -1% | -12% | \$ 100.81 | \$ 200.97 | \$ 298.78 | \$ 394.75 | \$ 486.71 | 14.36 | -23.35 | -28.38 | -44.37 | -36.36 | -40.35 |
| | | 42% | 49% | 39% | 29% | 19% | 10% | 0% | \$ 79.02 | \$ 158.59 | \$ 236.99 | \$ 314.54 | \$ 389.62 | 14.36 | 8334.94 | 9453.86 | 10333.83 | 11237.81 | 12129.78 |
| | | 20% | 49% | 41% | 32% | 24% | 15% | 7% | \$ 66.41 | \$ 134.06 | \$ 201.21 | \$ 268.10 | \$ 333.41 | 14.36 | 57.90 | 63.80 | 56.52 | 73.24 | 77.96 |
| | 98.6% | 80% | 71% | 51% | 32% | 14% | -5% | -22% | \$ 107.51 | \$ 212.55 | \$ 315.24 | \$ 415.71 | \$ 512.93 | 14.36 | -16.96 | -21.13 | -36.43 | -27.72 | -31.02 |
| | | 42% | 71% | 55% | 40% | 25% | 10% | -5% | \$ 85.73 | \$ 170.17 | \$ 253.44 | \$ 335.50 | \$ 415.84 | 14.36 | -105.49 | -121.56 | -146.32 | -147.09 | -159.85 |
| | | 20% | 71% | 58% | 45% | 31% | 18% | 6% | \$ 73.11 | \$ 145.64 | \$ 217.67 | \$ 289.06 | \$ 359.63 | 14.36 | 102.21 | 114.06 | 111.50 | 132.95 | 142.39 |