

Average Electricity Consumption per month for Homeowner



| Increase pa | Year 1 | Electricity used by Geyser | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 10 | Total Electricity Cost over 10 years |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------------------------|
| | 19% | | 19% | 12% | 12% | 12% | 12% | 12% | |
| Average Electricity Bill | <small>ESKOM (National Electricity Regulator of SA) has approved electricity increases for 2012 - 2013 of 19%. Approvals still pending for 2013/2014 increases. Municipalities add 2-3% margin on top of Eskom. GESS Green has therefore assumed increases of 19% for 2012 & 2013 with inflationary increases of 12% thereafter.</small> | | | | | | | | |
| R 900.00 | R 12 852.00 | R 5 140.80 | R 15 293.88 | R 17 129.15 | R 19 184.64 | R 21 486.80 | R 24 065.22 | R 37 867.08 | R 238 829.11 |
| R 1 000.00 | R 14 280.00 | R 5 712.00 | R 16 993.20 | R 19 032.38 | R 21 316.27 | R 23 874.22 | R 26 739.13 | R 42 074.54 | R 265 365.68 |
| R 1 100.00 | R 15 708.00 | R 6 283.20 | R 18 692.52 | R 20 935.62 | R 23 447.90 | R 26 261.64 | R 29 413.04 | R 46 281.99 | R 291 902.25 |
| R 1 200.00 | R 17 136.00 | R 6 854.40 | R 20 391.84 | R 22 838.86 | R 25 579.52 | R 28 649.07 | R 32 086.96 | R 50 489.44 | R 318 438.82 |
| R 1 300.00 | R 18 564.00 | R 7 425.60 | R 22 091.16 | R 24 742.10 | R 27 711.15 | R 31 036.49 | R 34 760.87 | R 54 696.90 | R 344 975.39 |
| R 1 400.00 | R 19 992.00 | R 7 996.80 | R 23 790.48 | R 26 645.34 | R 29 842.78 | R 33 423.91 | R 37 434.78 | R 58 904.35 | R 371 511.96 |
| R 1 500.00 | R 21 420.00 | R 8 568.00 | R 25 489.80 | R 28 548.58 | R 31 974.41 | R 35 811.33 | R 40 108.69 | R 63 111.81 | R 398 048.52 |
| R 1 600.00 | R 22 848.00 | R 9 139.20 | R 27 189.12 | R 30 451.81 | R 34 106.03 | R 38 198.76 | R 42 782.61 | R 67 319.26 | R 424 585.09 |
| R 1 700.00 | R 24 276.00 | R 9 710.40 | R 28 888.44 | R 32 355.05 | R 36 237.66 | R 40 586.18 | R 45 456.52 | R 71 526.71 | R 451 121.66 |
| R 1 800.00 | R 25 704.00 | R 10 281.60 | R 30 587.76 | R 34 258.29 | R 38 369.29 | R 42 973.60 | R 48 130.43 | R 75 734.17 | R 477 658.23 |
| R 1 900.00 | R 27 132.00 | R 10 852.80 | R 32 287.08 | R 36 161.53 | R 40 500.91 | R 45 361.02 | R 50 804.35 | R 79 941.62 | R 504 194.80 |
| R 2 000.00 | R 28 560.00 | R 11 424.00 | R 33 986.40 | R 38 064.77 | R 42 632.54 | R 47 748.44 | R 53 478.26 | R 84 149.07 | R 530 731.37 |
| R 2 200.00 | R 31 416.00 | R 12 566.40 | R 37 385.04 | R 41 871.24 | R 46 895.79 | R 52 523.29 | R 58 826.08 | R 92 563.98 | R 583 804.50 |
| R 2 400.00 | R 34 272.00 | R 13 708.80 | R 40 783.68 | R 45 677.72 | R 51 159.05 | R 57 298.13 | R 64 173.91 | R 100 978.89 | R 636 877.64 |
| R 2 600.00 | R 37 128.00 | R 14 851.20 | R 44 182.32 | R 49 484.20 | R 55 422.30 | R 62 072.98 | R 69 521.74 | R 109 393.80 | R 689 950.78 |
| R 2 800.00 | R 39 984.00 | R 15 993.60 | R 47 580.96 | R 53 290.68 | R 59 685.56 | R 66 847.82 | R 74 869.56 | R 117 808.70 | R 743 023.91 |
| R 3 000.00 | R 42 840.00 | R 17 136.00 | R 50 979.60 | R 57 097.15 | R 63 948.81 | R 71 622.67 | R 80 217.39 | R 126 223.61 | R 796 097.05 |
| R 3 200.00 | R 45 696.00 | R 18 278.40 | R 54 378.24 | R 60 903.63 | R 68 212.06 | R 76 397.51 | R 85 565.21 | R 134 638.52 | R 849 170.19 |
| R 3 400.00 | R 48 552.00 | R 19 420.80 | R 57 776.88 | R 64 710.11 | R 72 475.32 | R 81 172.36 | R 90 913.04 | R 143 053.43 | R 902 243.32 |
| R 3 600.00 | R 51 408.00 | R 20 563.20 | R 61 175.52 | R 68 516.58 | R 76 738.57 | R 85 947.20 | R 96 260.87 | R 151 468.33 | R 955 316.46 |
| R 3 800.00 | R 54 264.00 | R 21 705.60 | R 64 574.16 | R 72 323.06 | R 81 001.83 | R 90 722.05 | R 101 608.69 | R 159 883.24 | R 1 008 389.59 |
| R 4 000.00 | R 57 120.00 | R 22 848.00 | R 67 972.80 | R 76 129.54 | R 85 265.08 | R 95 496.89 | R 106 956.52 | R 168 298.15 | R 1 061 462.73 |
| R 4 400.00 | R 62 832.00 | R 25 132.80 | R 74 770.08 | R 83 742.49 | R 93 791.59 | R 105 046.58 | R 117 652.17 | R 185 127.96 | R 1 167 609.00 |
| R 4 800.00 | R 68 544.00 | R 27 417.60 | R 81 567.36 | R 91 355.44 | R 102 318.10 | R 114 596.27 | R 128 347.82 | R 201 957.78 | R 1 273 755.28 |
| R 5 200.00 | R 74 256.00 | R 29 702.40 | R 88 364.64 | R 98 968.40 | R 110 844.60 | R 124 145.96 | R 139 043.47 | R 218 787.59 | R 1 379 901.55 |
| R 5 600.00 | R 79 968.00 | R 31 987.20 | R 95 161.92 | R 106 581.35 | R 119 371.11 | R 133 695.65 | R 149 739.12 | R 235 617.41 | R 1 486 047.82 |
| R 6 000.00 | R 85 680.00 | R 34 272.00 | R 101 959.20 | R 114 194.30 | R 127 897.62 | R 143 245.33 | R 160 434.78 | R 252 447.22 | R 1 592 194.10 |
| R 6 400.00 | R 91 392.00 | R 36 556.80 | R 108 756.48 | R 121 807.26 | R 136 424.13 | R 152 795.02 | R 171 130.43 | R 269 277.04 | R 1 698 340.37 |

If we can save electricity on heating water ; would that make sense?



Monthly Green Savings - Solar Water Heater

| | Year 1 | Year 2 | Year 3 | Accumulated Savings over 3 years | Year 4 | Year 5 | Year 6 | Year 7 | Year 10 | Total Green Savings over 10 years |
|--------------------------------|-------------|-------------|-------------|----------------------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------|
| Average Electricity Bill Today | | | | | | | | | | |
| R 900.00 | R 4 498.20 | R 5 352.86 | R 5 995.20 | R 15 846.26 | R 6 714.63 | R 7 520.38 | R 8 422.83 | R 9 433.56 | R 13 253.48 | R 83 590.19 |
| R 1 000.00 | R 4 998.00 | R 5 947.62 | R 6 661.33 | R 17 606.95 | R 7 460.69 | R 8 355.98 | R 9 358.70 | R 10 481.74 | R 14 726.09 | R 92 877.99 |
| R 1 100.00 | R 5 497.80 | R 6 542.38 | R 7 327.47 | R 19 367.65 | R 8 206.76 | R 9 191.58 | R 10 294.56 | R 11 529.91 | R 16 198.70 | R 102 165.79 |
| R 1 200.00 | R 5 997.60 | R 7 137.14 | R 7 993.60 | R 21 128.35 | R 8 952.83 | R 10 027.17 | R 11 230.43 | R 12 578.09 | R 17 671.31 | R 111 453.59 |
| R 1 300.00 | R 6 497.40 | R 7 731.91 | R 8 659.73 | R 22 889.04 | R 9 698.90 | R 10 862.77 | R 12 166.30 | R 13 626.26 | R 19 143.91 | R 120 741.39 |
| R 1 400.00 | R 6 997.20 | R 8 326.67 | R 9 325.87 | R 24 649.74 | R 10 444.97 | R 11 698.37 | R 13 102.17 | R 14 674.43 | R 20 616.52 | R 130 029.18 |
| R 1 500.00 | R 7 497.00 | R 8 921.43 | R 9 992.00 | R 26 410.43 | R 11 191.04 | R 12 533.97 | R 14 038.04 | R 15 722.61 | R 22 089.13 | R 139 316.98 |
| R 1 600.00 | R 7 996.80 | R 9 516.19 | R 10 658.14 | R 28 171.13 | R 11 937.11 | R 13 369.56 | R 14 973.91 | R 16 770.78 | R 23 561.74 | R 148 604.78 |
| R 1 700.00 | R 8 496.60 | R 10 110.95 | R 11 324.27 | R 29 931.82 | R 12 683.18 | R 14 205.16 | R 15 909.78 | R 17 818.96 | R 25 034.35 | R 157 892.58 |
| R 1 800.00 | R 8 996.40 | R 10 705.72 | R 11 990.40 | R 31 692.52 | R 13 429.25 | R 15 040.76 | R 16 845.65 | R 18 867.13 | R 26 506.96 | R 167 180.38 |
| R 1 900.00 | R 9 496.20 | R 11 300.48 | R 12 656.54 | R 33 453.21 | R 14 175.32 | R 15 876.36 | R 17 781.52 | R 19 915.30 | R 27 979.57 | R 176 468.18 |
| R 2 000.00 | R 9 996.00 | R 11 895.24 | R 13 322.67 | R 35 213.91 | R 14 921.39 | R 16 711.96 | R 18 717.39 | R 20 963.48 | R 29 452.18 | R 185 755.98 |
| R 2 200.00 | R 10 995.60 | R 13 084.76 | R 14 654.94 | R 38 735.30 | R 16 413.53 | R 18 383.15 | R 20 589.13 | R 23 059.83 | R 32 397.39 | R 204 331.58 |
| R 2 400.00 | R 11 995.20 | R 14 274.29 | R 15 987.20 | R 42 256.69 | R 17 905.67 | R 20 054.35 | R 22 460.87 | R 25 156.17 | R 35 342.61 | R 222 907.17 |
| R 2 600.00 | R 12 994.80 | R 15 463.81 | R 17 319.47 | R 45 778.08 | R 19 397.81 | R 21 725.54 | R 24 332.61 | R 27 252.52 | R 38 287.83 | R 241 482.77 |
| R 2 800.00 | R 13 994.40 | R 16 653.34 | R 18 651.74 | R 49 299.47 | R 20 889.94 | R 23 396.74 | R 26 204.35 | R 29 348.87 | R 41 233.05 | R 260 058.37 |
| R 3 000.00 | R 14 994.00 | R 17 842.86 | R 19 984.00 | R 52 820.86 | R 22 382.08 | R 25 067.93 | R 28 076.09 | R 31 445.22 | R 44 178.26 | R 278 633.97 |
| R 3 200.00 | R 15 993.60 | R 19 032.38 | R 21 316.27 | R 56 342.25 | R 23 874.22 | R 26 739.13 | R 29 947.82 | R 33 541.56 | R 47 123.48 | R 297 209.56 |
| R 3 400.00 | R 16 993.20 | R 20 221.91 | R 22 648.54 | R 59 863.64 | R 25 366.36 | R 28 410.32 | R 31 819.56 | R 35 637.91 | R 50 068.70 | R 315 785.16 |
| R 3 600.00 | R 17 992.80 | R 21 411.43 | R 23 980.80 | R 63 385.04 | R 26 858.50 | R 30 081.52 | R 33 691.30 | R 37 734.26 | R 53 013.92 | R 334 360.76 |
| R 3 800.00 | R 18 992.40 | R 22 600.96 | R 25 313.07 | R 66 906.43 | R 28 350.64 | R 31 752.72 | R 35 563.04 | R 39 830.61 | R 55 959.13 | R 352 936.36 |
| R 4 000.00 | R 19 992.00 | R 23 790.48 | R 26 645.34 | R 70 427.82 | R 29 842.78 | R 33 423.91 | R 37 434.78 | R 41 926.95 | R 58 904.35 | R 371 511.96 |
| R 4 400.00 | R 21 991.20 | R 26 169.53 | R 29 309.87 | R 77 470.60 | R 32 827.06 | R 36 766.30 | R 41 178.26 | R 46 119.65 | R 64 794.79 | R 408 663.15 |
| R 4 800.00 | R 23 990.40 | R 28 548.58 | R 31 974.41 | R 84 513.38 | R 35 811.33 | R 40 108.69 | R 44 921.74 | R 50 312.35 | R 70 685.22 | R 445 814.35 |
| R 5 200.00 | R 25 989.60 | R 30 927.62 | R 34 638.94 | R 91 556.16 | R 38 795.61 | R 43 451.08 | R 48 665.22 | R 54 505.04 | R 76 575.66 | R 482 965.54 |
| R 5 600.00 | R 27 988.80 | R 33 306.67 | R 37 303.47 | R 98 598.94 | R 41 779.89 | R 46 793.48 | R 52 408.69 | R 58 697.74 | R 82 466.09 | R 520 116.74 |
| R 6 000.00 | R 29 988.00 | R 35 685.72 | R 39 968.01 | R 105 641.73 | R 44 764.17 | R 50 135.87 | R 56 152.17 | R 62 890.43 | R 88 356.53 | R 557 267.93 |
| R 6 400.00 | R 31 987.20 | R 38 064.77 | R 42 632.54 | R 112 684.51 | R 47 748.44 | R 53 478.26 | R 59 895.65 | R 67 083.13 | R 94 246.96 | R 594 419.13 |

* The estimated savings are based on an efficiency level of 35% of total electricity spent for the Solar Water Heating system being installed



Monthly Green Savings - Heat Pump

| | Year 1 | Year 2 | Year 3 | Accumulated Savings over 3 years | Year 4 | Year 5 | Year 6 | Year 7 | Year 10 | Total Green Savings over 10 years |
|---------------------------------------|-------------|-------------|-------------|----------------------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------|
| Average Electricity Bill Today | | | | | | | | | | |
| R 900.00 | R 3 727.08 | R 4 435.23 | R 4 967.45 | R 13 129.76 | R 5 563.55 | R 6 231.17 | R 6 978.91 | R 7 816.38 | R 10 981.45 | R 69 260.44 |
| R 1 000.00 | R 4 141.20 | R 4 928.03 | R 5 519.39 | R 14 588.62 | R 6 181.72 | R 6 923.52 | R 7 754.35 | R 8 684.87 | R 12 201.62 | R 76 956.05 |
| R 1 100.00 | R 4 555.32 | R 5 420.83 | R 6 071.33 | R 16 047.48 | R 6 799.89 | R 7 615.88 | R 8 529.78 | R 9 553.36 | R 13 421.78 | R 84 651.65 |
| R 1 200.00 | R 4 969.44 | R 5 913.63 | R 6 623.27 | R 17 506.34 | R 7 418.06 | R 8 308.23 | R 9 305.22 | R 10 421.84 | R 14 641.94 | R 92 347.26 |
| R 1 300.00 | R 5 383.56 | R 6 406.44 | R 7 175.21 | R 18 965.21 | R 8 036.23 | R 9 000.58 | R 10 080.65 | R 11 290.33 | R 15 862.10 | R 100 042.86 |
| R 1 400.00 | R 5 797.68 | R 6 899.24 | R 7 727.15 | R 20 424.07 | R 8 654.41 | R 9 692.93 | R 10 856.09 | R 12 158.82 | R 17 082.26 | R 107 738.47 |
| R 1 500.00 | R 6 211.80 | R 7 392.04 | R 8 279.09 | R 21 882.93 | R 9 272.58 | R 10 385.29 | R 11 631.52 | R 13 027.30 | R 18 302.42 | R 115 434.07 |
| R 1 600.00 | R 6 625.92 | R 7 884.84 | R 8 831.03 | R 23 341.79 | R 9 890.75 | R 11 077.64 | R 12 406.96 | R 13 895.79 | R 19 522.59 | R 123 129.68 |
| R 1 700.00 | R 7 040.04 | R 8 377.65 | R 9 382.97 | R 24 800.65 | R 10 508.92 | R 11 769.99 | R 13 182.39 | R 14 764.28 | R 20 742.75 | R 130 825.28 |
| R 1 800.00 | R 7 454.16 | R 8 870.45 | R 9 934.90 | R 26 259.51 | R 11 127.09 | R 12 462.34 | R 13 957.83 | R 15 632.76 | R 21 962.91 | R 138 520.89 |
| R 1 900.00 | R 7 868.28 | R 9 363.25 | R 10 486.84 | R 27 718.38 | R 11 745.26 | R 13 154.70 | R 14 733.26 | R 16 501.25 | R 23 183.07 | R 146 216.49 |
| R 2 000.00 | R 8 282.40 | R 9 856.06 | R 11 038.78 | R 29 177.24 | R 12 363.44 | R 13 847.05 | R 15 508.69 | R 17 369.74 | R 24 403.23 | R 153 912.10 |
| R 2 200.00 | R 9 110.64 | R 10 841.66 | R 12 142.66 | R 32 094.96 | R 13 599.78 | R 15 231.75 | R 17 059.56 | R 19 106.71 | R 26 843.55 | R 169 303.31 |
| R 2 400.00 | R 9 938.88 | R 11 827.27 | R 13 246.54 | R 35 012.69 | R 14 836.12 | R 16 616.46 | R 18 610.43 | R 20 843.69 | R 29 283.88 | R 184 694.52 |
| R 2 600.00 | R 10 767.12 | R 12 812.87 | R 14 350.42 | R 37 930.41 | R 16 072.47 | R 18 001.16 | R 20 161.30 | R 22 580.66 | R 31 724.20 | R 200 085.72 |
| R 2 800.00 | R 11 595.36 | R 13 798.48 | R 15 454.30 | R 40 848.13 | R 17 308.81 | R 19 385.87 | R 21 712.17 | R 24 317.63 | R 34 164.52 | R 215 476.93 |
| R 3 000.00 | R 12 423.60 | R 14 784.08 | R 16 558.17 | R 43 765.86 | R 18 545.15 | R 20 770.57 | R 23 263.04 | R 26 054.61 | R 36 604.85 | R 230 868.14 |
| R 3 200.00 | R 13 251.84 | R 15 769.69 | R 17 662.05 | R 46 683.58 | R 19 781.50 | R 22 155.28 | R 24 813.91 | R 27 791.58 | R 39 045.17 | R 246 259.35 |
| R 3 400.00 | R 14 080.08 | R 16 755.30 | R 18 765.93 | R 49 601.31 | R 21 017.84 | R 23 539.98 | R 26 364.78 | R 29 528.56 | R 41 485.49 | R 261 650.56 |
| R 3 600.00 | R 14 908.32 | R 17 740.90 | R 19 869.81 | R 52 519.03 | R 22 254.19 | R 24 924.69 | R 27 915.65 | R 31 265.53 | R 43 925.82 | R 277 041.77 |
| R 3 800.00 | R 15 736.56 | R 18 726.51 | R 20 973.69 | R 55 436.75 | R 23 490.53 | R 26 309.39 | R 29 466.52 | R 33 002.50 | R 46 366.14 | R 292 432.98 |
| R 4 000.00 | R 16 564.80 | R 19 712.11 | R 22 077.57 | R 58 354.48 | R 24 726.87 | R 27 694.10 | R 31 017.39 | R 34 739.48 | R 48 806.46 | R 307 824.19 |
| R 4 400.00 | R 18 221.28 | R 21 683.32 | R 24 285.32 | R 64 189.93 | R 27 199.56 | R 30 463.51 | R 34 119.13 | R 38 213.42 | R 53 687.11 | R 338 606.61 |
| R 4 800.00 | R 19 877.76 | R 23 654.53 | R 26 493.08 | R 70 025.37 | R 29 672.25 | R 33 232.92 | R 37 220.87 | R 41 687.37 | R 58 567.76 | R 369 389.03 |
| R 5 200.00 | R 21 534.24 | R 25 625.75 | R 28 700.84 | R 75 860.82 | R 32 144.94 | R 36 002.33 | R 40 322.61 | R 45 161.32 | R 63 448.40 | R 400 171.45 |
| R 5 600.00 | R 23 190.72 | R 27 596.96 | R 30 908.59 | R 81 696.27 | R 34 617.62 | R 38 771.74 | R 43 424.35 | R 48 635.27 | R 68 329.05 | R 430 953.87 |
| R 6 000.00 | R 24 847.20 | R 29 568.17 | R 33 116.35 | R 87 531.72 | R 37 090.31 | R 41 541.15 | R 46 526.08 | R 52 109.21 | R 73 209.70 | R 461 736.29 |
| R 6 400.00 | R 26 503.68 | R 31 539.38 | R 35 324.10 | R 93 367.16 | R 39 563.00 | R 44 310.56 | R 49 627.82 | R 55 583.16 | R 78 090.34 | R 492 518.71 |

* The estimated savings are based on an efficiency level of 29% of total electricity spent for the Heat Pump system being installed