

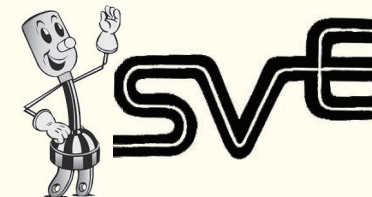
Horse-power (HP)	Operating hours	kWh	Annual kWh consumed	Energy cost	Basic cost	Annual cost
200		165.8				
	800		132,640	\$7,759.44	\$3,204.00	\$10,963.44
	1,200		198,960	\$11,639.16	\$3,204.00	\$14,843.16
	1,500		248,700	\$14,548.95	\$3,204.00	\$17,752.95
	2,000		331,600	\$19,398.60	\$3,204.00	\$22,602.60
	3,000		497,400	\$29,097.90	\$3,204.00	\$32,301.90
250		207.25				
	800		165,800	\$9,699.30	\$4,005.00	\$13,704.30
	1,200		248,700	\$14,548.95	\$4,005.00	\$18,553.95
	1,500		310,875	\$18,186.19	\$4,005.00	\$22,191.19
	2,000		414,500	\$24,248.25	\$4,005.00	\$28,253.25
	3,000		621,750	\$36,372.38	\$4,005.00	\$40,377.38
300		248.7				
	800		198,960	\$11,639.16	\$4,806.00	\$16,445.16
	1,200		298,440	\$17,458.74	\$4,806.00	\$22,264.74
	1,500		373,050	\$21,823.43	\$4,806.00	\$26,629.43
	2,000		497,400	\$29,097.90	\$4,806.00	\$33,903.90
	3,000		746,100	\$43,646.85	\$4,806.00	\$48,452.85
400		331.6				
	800		265,280	\$15,518.88	\$6,408.00	\$21,926.88
	1,200		397,920	\$23,278.32	\$6,408.00	\$29,686.32
	1,500		497,400	\$29,097.90	\$6,408.00	\$35,505.90
	2,000		663,200	\$38,797.20	\$6,408.00	\$45,205.20
	3,000		994,800	\$58,195.80	\$6,408.00	\$64,603.80

Basic load charge (April to October) = \$2.67/HP/MONTH

All Energy = \$.0585/kWh

HP x .829 = kWh/HR

Irrigation Cost Guide



Surprise Valley Electrification Corp.

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Surprise Valley Electrification Corp.

Use this guide to estimate annual irrigation costs based on operating hours and horsepower. Typical operating hours to grow alfalfa and pasture are in the 1,500- to 2,000-hour range. Operating hours for a grain crop are in the 800- to 1,200-hour range.

April 2017

Horse-power (HP)	Operating hours	kWh	Annual kWh consumed	Energy cost	Basic cost	Annual cost
5		4.15				
	800		3,320	\$194.22	\$80.10	\$274.32
	1,200		4,980	\$291.33	\$80.10	\$371.43
	1,500		6,225	\$364.16	\$80.10	\$444.26
	2,000		8,300	\$485.55	\$80.10	\$565.65
	3,000		12,450	\$728.33	\$80.10	\$808.43
10		8.29				
	800		6,632	\$387.97	\$160.20	\$548.17
	1,200		9,948	\$581.96	\$160.20	\$742.16
	1,500		12,435	\$727.45	\$160.20	\$887.65
	2,000		16,580	\$969.93	\$160.20	\$1,130.13
	3,000		24,870	\$1,454.90	\$160.20	\$1,615.10
20		16.58				
	800		13,264	\$775.94	\$320.40	\$1,096.34
	1,200		19,896	\$1,163.92	\$320.40	\$1,484.32
	1,500		24,870	\$1,454.90	\$320.40	\$1,775.30
	2,000		33,160	\$1,939.86	\$320.40	\$2,260.26
	3,000		49,740	\$2,909.79	\$320.40	\$3,230.19
30		24.87				
	800		19,896	\$1,163.92	\$480.60	\$1,644.52
	1,200		29,844	\$1,745.87	\$480.60	\$2,226.47
	1,500		37,305	\$2,182.34	\$480.60	\$2,662.94
	2,000		49,740	\$2,909.79	\$480.60	\$3,390.39
	3,000		74,610	\$4,364.69	\$480.60	\$4,845.29
40		33.16				
	800		26,528	\$1,551.89	\$640.80	\$2,192.69
	1,200		39,792	\$2,327.83	\$640.80	\$2,968.63
	1,500		49,740	\$2,909.79	\$640.80	\$3,550.59
	2,000		66,320	\$3,879.72	\$640.80	\$4,520.52
	3,000		99,480	\$5,819.58	\$640.80	\$6,460.38

Horse-power (HP)	Operating hours	kWh	Annual kWh consumed	Energy cost	Basic cost	Annual cost
50		41.45				
	800		33,160	\$1,939.86	\$801.00	\$2,740.86
	1,200		49,740	\$2,909.79	\$801.00	\$3,710.79
	1,500		62,175	\$3,637.24	\$801.00	\$4,438.24
	2,000		82,900	\$4,849.65	\$801.00	\$5,650.65
	3,000		124,350	\$7,274.48	\$801.00	\$8,075.48
60		49.74				
	800		39,792	\$2,327.83	\$961.20	\$3,289.03
	1,200		59,688	\$3,491.75	\$961.20	\$4,452.95
	1,500		74,610	\$4,364.69	\$961.20	\$5,325.89
	2,000		99,480	\$5,819.58	\$961.20	\$6,780.78
	3,000		149,220	\$8,729.37	\$961.20	\$9,690.57
75		62.18				
	800		49,744	\$2,910.02	\$1,201.50	\$4,111.52
	1,200		74,616	\$4,365.04	\$1,201.50	\$5,566.54
	1,500		93,270	\$5,456.30	\$1,201.50	\$6,657.80
	2,000		124,360	\$7,275.06	\$1,201.50	\$8,476.56
	3,000		186,540	\$10,912.59	\$1,201.50	\$12,114.09
100		82.9				
	800		66,320	\$3,879.72	\$1,602.00	\$5,481.72
	1,200		99,480	\$5,819.58	\$1,602.00	\$7,421.58
	1,500		124,350	\$7,274.48	\$1,602.00	\$8,876.48
	2,000		165,800	\$9,699.30	\$1,602.00	\$11,301.30
	3,000		248,700	\$14,548.95	\$1,602.00	\$16,150.95
125		103.63				
	800		82,904	\$4,849.88	\$2,002.50	\$6,852.38
	1,200		124,356	\$7,274.83	\$2,002.50	\$9,277.33
	1,500		155,445	\$9,093.53	\$2,002.50	\$11,096.03
	2,000		207,260	\$12,124.71	\$2,002.50	\$14,127.21
	3,000		310,890	\$18,187.07	\$2,002.50	\$20,189.57
150		124.35				
	800		99,480	\$5,819.58	\$2,403.00	\$8,222.58
	1,200		149,220	\$8,729.37	\$2,403.00	\$11,132.37
	1,500		186,525	\$10,911.71	\$2,403.00	\$13,314.71
	2,000		248,700	\$14,548.95	\$2,403.00	\$16,951.95
	3,000		373,050	\$21,823.43	\$2,403.00	\$24,226.43