

Horse-power (HP)	Operating hours	kWh per hour	Annual kWh consumed	Energy cost	Basic cost	Annual cost
200		165.8				
	800		132,640	\$6,433.04	\$3,204.00	\$9,637.04
	1,200		198,960	\$9,649.56	\$3,204.00	\$12,853.56
	1,500		248,700	\$12,061.95	\$3,204.00	\$15,265.95
	2,000		331,600	\$16,082.60	\$3,204.00	\$19,286.60
	3,000		497,400	\$24,123.90	\$3,204.00	\$27,327.90
250		207.25				
	800		165,800	\$8,041.30	\$4,005.00	\$12,046.30
	1,200		248,700	\$12,061.95	\$4,005.00	\$16,066.95
	1,500		310,875	\$15,077.44	\$4,005.00	\$19,082.44
	2,000		414,500	\$20,103.25	\$4,005.00	\$24,108.25
	3,000		621,750	\$30,154.88	\$4,005.00	\$34,159.88
300		248.7				
	800		198,960	\$9,649.56	\$4,806.00	\$14,455.56
	1,200		298,440	\$14,474.34	\$4,806.00	\$19,280.34
	1,500		373,050	\$18,092.93	\$4,806.00	\$22,898.93
	2,000		497,400	\$24,123.90	\$4,806.00	\$28,929.90
	3,000		746,100	\$36,185.85	\$4,806.00	\$40,991.85
400		331.6				
	800		265,280	\$12,866.08	\$6,408.00	\$19,274.08
	1,200		397,920	\$19,299.12	\$6,408.00	\$25,707.12
	1,500		497,400	\$24,123.90	\$6,408.00	\$30,531.90
	2,000		663,200	\$32,165.20	\$6,408.00	\$38,573.20
	3,000		994,800	\$48,247.80	\$6,408.00	\$54,655.80

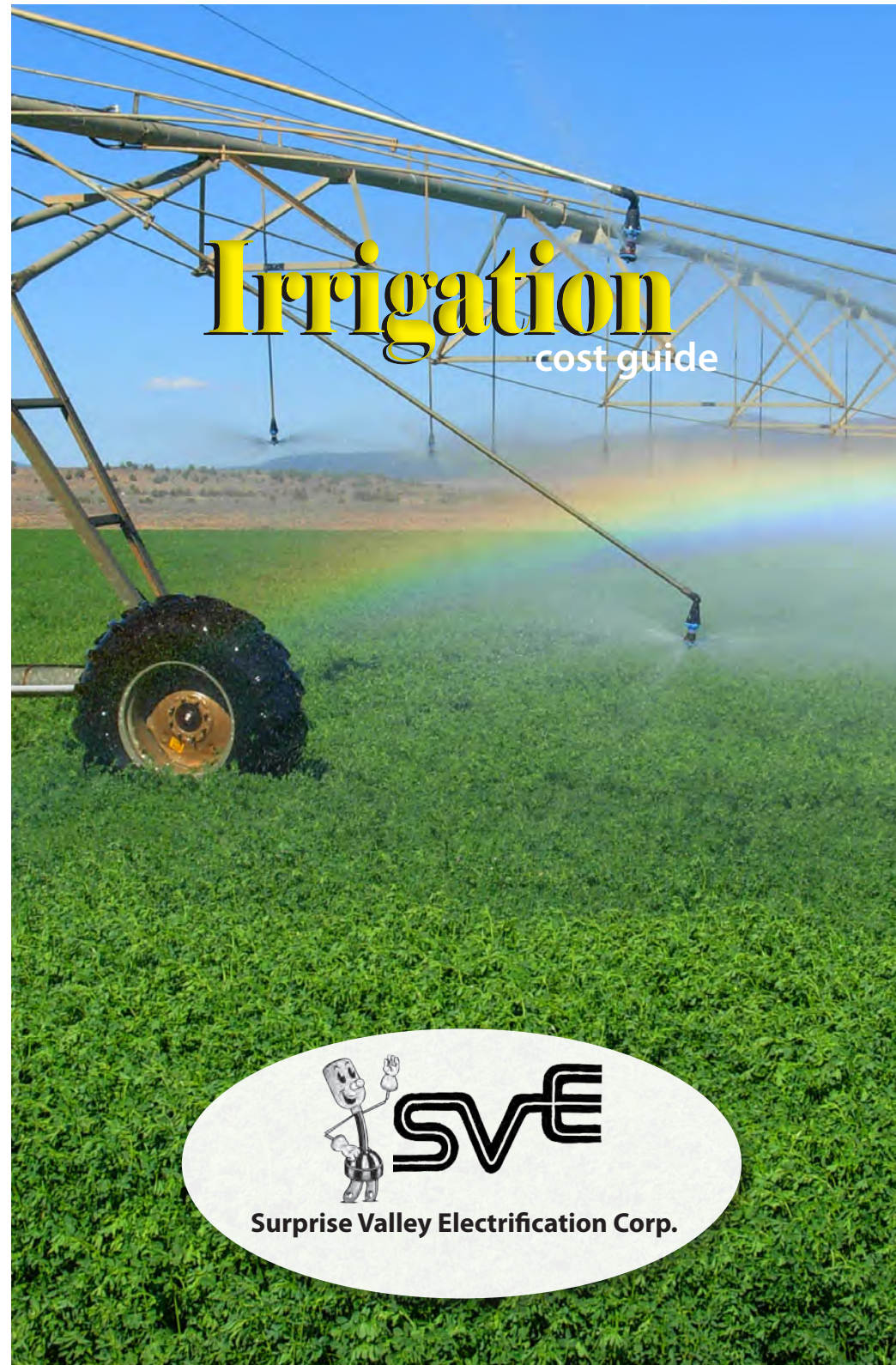
Basic load charge (April to October)= \$2.67/HP/Month

All energy = 4.85¢/kWh

HP x .829 = kWh/HR

Surprise Valley Electrification Corp.

516 U.S. Hwy 395 E
 Alturas, CA 96101
 (530) 233-3511
 (866) 843-2667



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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.

December 2011

Horsepower (HP)	Operating hours	kWh per hour	Annual kWh consumed	Energy cost	Basic cost	Annual cost
5		4.15				
	800		3,320	\$161.02	\$80.10	\$241.12
	1,200		4,980	\$241.53	\$80.10	\$321.63
	1,500		6,225	\$301.91	\$80.10	\$382.01
	2,000		8,300	\$402.55	\$80.10	\$482.65
	3,000		12,450	\$603.83	\$80.10	\$683.93
10		8.29				
	800		6,632	\$321.65	\$160.20	\$481.85
	1,200		9,948	\$482.48	\$160.20	\$642.68
	1,500		12,435	\$603.10	\$160.20	\$763.30
	2,000		16,580	\$804.13	\$160.20	\$964.33
	3,000		24,870	\$1,206.20	\$160.20	\$1,366.40
20		16.58				
	800		13,264	\$643.30	\$320.40	\$963.70
	1,200		19,896	\$964.96	\$320.40	\$1,285.36
	1,500		24,870	\$1,206.20	\$320.40	\$1,526.60
	2,000		33,160	\$1,608.26	\$320.40	\$1,928.66
	3,000		49,740	\$2,412.39	\$320.40	\$2,732.79
30		24.87				
	800		19,896	\$964.96	\$480.60	\$1,445.56
	1,200		29,844	\$1,447.43	\$480.60	\$1,928.03
	1,500		37,305	\$1,809.29	\$480.60	\$2,289.89
	2,000		49,740	\$2,412.39	\$480.60	\$2,892.99
	3,000		74,610	\$3,618.59	\$480.60	\$4,099.19
40		33.16				
	800		26,528	\$1,286.61	\$640.80	\$1,927.41
	1,200		39,792	\$1,929.91	\$640.80	\$2,570.71
	1,500		49,740	\$2,412.39	\$640.80	\$3,053.19
	2,000		66,320	\$3,216.52	\$640.80	\$3,857.32
	3,000		99,480	\$4,824.78	\$640.80	\$5,465.58

Horsepower (HP)	Operating hours	kWh per hour	Annual kWh consumed	Energy cost	Basic cost	Annual cost
50		41.45				
	800		33,160	\$1,608.26	\$801.00	\$2,409.26
	1,200		49,740	\$2,412.39	\$801.00	\$3,213.39
	1,500		62,175	\$3,015.49	\$801.00	\$3,816.49
	2,000		82,900	\$4,020.65	\$801.00	\$4,821.65
	3,000		124,350	\$6,030.98	\$801.00	\$6,831.98
60		49.74				
	800		39,792	\$1,929.91	\$961.20	\$2,891.11
	1,200		59,688	\$2,894.87	\$961.20	\$3,856.07
	1,500		74,610	\$3,618.59	\$961.20	\$4,579.79
	2,000		99,480	\$4,824.78	\$961.20	\$5,785.98
	3,000		149,220	\$7,237.17	\$961.20	\$8,198.37
75		62.18				
	800		49,744	\$2,412.58	\$1,201.50	\$3,614.08
	1,200		74,616	\$3,618.88	\$1,201.50	\$4,820.38
	1,500		93,270	\$4,523.60	\$1,201.50	\$5,725.10
	2,000		124,360	\$6,031.46	\$1,201.50	\$7,232.96
	3,000		186,540	\$9,047.19	\$1,201.50	\$10,248.69
100		82.9				
	800		66,320	\$3,216.52	\$1,602.00	\$4,818.52
	1,200		99,480	\$4,824.78	\$1,602.00	\$6,426.78
	1,500		124,350	\$6,030.98	\$1,602.00	\$7,632.98
	2,000		165,800	\$8,041.30	\$1,602.00	\$9,643.30
	3,000		248,700	\$12,061.95	\$1,602.00	\$13,663.95
125		103.63				
	800		82,904	\$4,020.84	\$2,002.50	\$6,023.34
	1,200		124,356	\$6,031.27	\$2,002.50	\$8,033.77
	1,500		155,445	\$7,539.08	\$2,002.50	\$9,541.58
	2,000		207,260	\$10,052.11	\$2,002.50	\$12,054.61
	3,000		310,890	\$15,078.17	\$2,002.50	\$17,080.67
150		124.35				
	800		99,480	\$4,824.78	\$2,403.00	\$7,227.78
	1,200		149,220	\$7,237.17	\$2,403.00	\$9,640.17
	1,500		186,525	\$9,046.46	\$2,403.00	\$11,449.46
	2,000		248,700	\$12,061.95	\$2,403.00	\$14,464.95
	3,000		373,050	\$18,092.93	\$2,403.00	\$20,495.93