

to Baker 7/29/08

	Exist kW	New Kw	kWh Saved
8" Traffic LED Signal Head	65	10	482
12" Traffic LED Signal Head	135	12	1,077
8" Arrow LED Module	65	7	508
12" Arrow LED Module	135	10	1,095
8"-9" Pedestrian LED Module	65	10	482
12" Pedestrian LED Module	135	12	1,077
16"x18" Pedestrian Combo	135	16	1,042

60 102 70

75 145 85 16

85 120 70

110

Values used are averages from NYSERDA, Alvista, ENERGYSTAR

	Avista kWh	0.07	0.08	0.09	0.1	DCEO	ICECF	avista	exist Watts
8 green	245	17.15	19.6	22.05	24.5	20.000		40	35
8 red	289	20.23	23.12	26.01	28.9	20.000		20	25
12 green	494	34.58	39.52	44.46	49.4	30.000		60	55
12 red	548	38.36	43.84	49.32	54.8	30.000		30	30
12 yellow						30.000			
8 green arr	111	7.77	8.88	9.99	11.1	20.000		30	10
8 red arr	401	28.07	32.08	36.09	40.1	20.000		15	25
12 green arr	224	15.68	17.92	20.16	22.4	25.000		50	30
12 red arr	808	56.56	64.64	72.72	80.8	25.000		45	30
12 yellow arr						25.000			
8 ped	498	34.86	39.84	44.82	49.8	30.000		40	35
12 ped	851	59.57	68.08	76.59	85.1	30.000		35	45

CMS Vendor Bulk Cost

			% cost	avg kWh	\$/kWh
8" Traffic LED Signal Head	\$75 per Signal (3 lamp	177	75	209.9	1042
12" Traffic LED Signal Head	\$90 per Signal (3 lamp	162	90	191.9	1042
8" Arrow LED Module	\$20 per Module		20		350
12" Arrow LED Module	\$35 per Module	44	35	50.3	350
8"-9" Pedestrian LED Module	\$30 per Module		30		350
12" Pedestrian LED Module	\$35 per Module	55	35	63.5	350
16"x18" Pedestrian Combo	\$35 per Module	103	35	121.1	350

Annual kWh savings

LED Signal Head consists of 1 red, 1 green and 1 yellow ball module.  
 Arrow and Pedestrian LED Modules consists of 1 module (any color).  
 Pedestrian Combo consists of walk/hand/countdown.