

ESTIMATED COST OF WIND TURBINE AND SAVINGS 1.5 MW. Turbine-Vensys

# of Years	Year	Estimate of Electrical Cost	Principal & Interest Payment for 24 years	Return on Investment To District	% Inc on Electrical Bill	\$ Inc. of Electrical bill
1	2010	300,000	295,237	4,763		
2	2011	315,000	295,237	19,763	5%	15,000
3	2012	330,750	295,237	35,513	5%	15,750
4	2013	347,288	295,237	52,051	5%	16,538
5	2014	364,652	295,237	69,415	5%	17,364
6	2015	382,884	295,237	87,647	5%	18,233
7	2016	402,029	295,237	106,792	5%	19,144
8	2017	422,130	295,237	126,893	5%	20,101
9	2018	443,237	295,237	148,000	5%	21,107
10	2019	465,398	295,237	170,161	5%	22,162
11	2020	488,668	295,237	193,431	5%	23,270
12	2021	513,102	295,237	217,865	5%	24,433
13	2022	538,757	295,237	243,520	5%	25,655
14	2023	565,695	295,237	270,458	5%	26,938
15	2024	593,979	295,237	298,742	5%	28,285
16	2025	623,678	295,237	328,441	5%	29,699
17	2026	654,862	295,237	359,625	5%	31,184
18	2027	687,605	295,237	392,368	5%	32,743
19	2028	721,986	295,237	426,749	5%	34,380
20	2029	758,085	295,237	462,848	5%	36,099
21	2030	795,989	295,237	500,752	5%	37,904
22	2031	835,789	295,237	540,552	5%	39,799
23	2032	877,578	295,237	582,341	5%	41,789
24	2033	921,457	295,237	626,220	5%	43,879
25	2034	967,530	0	967,530	5%	46,073
26	2035	1,015,906	0	1,015,906	5%	48,376
27	2036	1,066,702	0	1,066,702	5%	50,795
28	2037	1,120,037	0	1,120,037	5%	53,335
29	2038	1,176,039	0	1,176,039	5%	56,002
30	2039	1,234,841	0	1,234,841	5%	58,802

Total Cost of Electricity \$ 19,931,654

*Less Cost of Wind Turbine \$ 7,085,688 (\$5,000,000 prin./\$2,085,688 interest)

** Less cost of yearly maint. \$66,000 \$ 1,980,000

Estimated Savings \$ 10,865,966

* Cost of Turbine if ordered in 2008 and delivered in 2009 is \$5,000,000 for turbine and all associated installation costs.

** Cost of maintenance is \$60,000 per year and cost of land lease is \$6,000 per year