

Private Wire Power Network Financial Appraisal - Recommendation 4

APPENDIX 2

Capital Spend

Total Capital Cost	11,695,734
OHH Contribution	(7,110,000)

Total Additional Capital **4,585,734**

Prepared by: **A Smith**
 Verified by: **T Andrews**
 Consultant Advisor: **Ener-vate**

Annuity Calculation - 50 years			Annuity
Years	Rate	Amount	Repayment
48	3.00%	1,069,795	42,340
47	3.00%	1,524,223	60,909
46	3.00%	2,161,955	87,262
45	3.00%	2,464,191	100,502
44	3.00%	2,773,848	114,365
43	3.00%	3,154,032	131,517
42	3.00%	3,476,489	146,679
41	3.00%	3,895,861	166,402
40	3.00%	4,245,440	183,668
39	3.00%	4,335,129	190,069

IRR **20.72%**

	Amount	Interest	Repayment	Balance	MRP	Interest	Total	NET INCOME	Revenue Surplus (Deficit)	Cumulative Position	IRR BASE (4,585,734)
1	1,069,795	32,094	(42,340)	1,059,549	(10,246)	(32,094)	(42,340)	(2,961)	(45,301)	(45,301)	(2,961)
2	1,524,223	45,727	(60,909)	1,509,041	(15,182)	(45,727)	(60,909)	13,403	(47,506)	(92,807)	13,403
3	2,161,955	64,859	(87,262)	2,139,551	(22,403)	(64,859)	(87,262)	408,035	320,773	227,966	408,035
4	2,464,191	73,926	(100,502)	2,437,615	(26,577)	(73,926)	(100,502)	784,146	683,644	911,610	784,146
5	2,773,848	83,215	(114,365)	2,742,698	(31,150)	(83,215)	(114,365)	1,005,841	891,476	1,803,085	1,005,841
6	3,154,032	94,621	(131,517)	3,117,136	(36,896)	(94,621)	(131,517)	1,184,528	1,053,011	2,856,096	1,184,528
7	3,476,489	104,295	(146,679)	3,434,104	(42,384)	(104,295)	(146,679)	1,277,423	1,130,744	3,986,840	1,277,423
8	3,895,861	116,876	(166,402)	3,846,336	(49,526)	(116,876)	(166,402)	1,417,056	1,250,654	5,237,495	1,417,056
9	4,245,440	127,363	(183,668)	4,189,135	(56,305)	(127,363)	(183,668)	1,683,720	1,500,052	6,737,547	1,683,720
10	4,335,129	130,054	(190,069)	4,275,114	(60,015)	(130,054)	(190,069)	1,908,472	1,718,403	8,455,950	1,908,472
11	4,275,114	128,253	(190,069)	4,213,299	(61,815)	(128,253)	(190,069)	2,135,834	1,945,765	10,401,715	2,135,834
12	4,213,299	126,399	(190,069)	4,149,629	(63,670)	(126,399)	(190,069)	2,360,376	2,170,307	12,572,023	2,360,376
13	4,149,629	124,489	(190,069)	4,084,049	(65,580)	(124,489)	(190,069)	2,530,162	2,340,093	14,912,116	2,530,162
14	4,084,049	122,521	(190,069)	4,016,502	(67,547)	(122,521)	(190,069)	2,681,578	2,491,509	17,403,625	2,681,578
15	4,016,502	120,495	(190,069)	3,946,928	(69,574)	(120,495)	(190,069)	2,750,522	2,560,453	19,964,078	2,750,522
16	3,946,928	118,408	(190,069)	3,875,267	(71,661)	(118,408)	(190,069)	2,909,107	2,719,038	22,683,117	2,909,107
17	3,875,267	116,258	(190,069)	3,801,456	(73,811)	(116,258)	(190,069)	2,946,684	2,756,615	25,439,732	2,946,684
18	3,801,456	114,044	(190,069)	3,725,431	(76,025)	(114,044)	(190,069)	3,072,968	2,882,899	28,322,631	3,072,968
19	3,725,431	111,763	(190,069)	3,647,126	(78,306)	(111,763)	(190,069)	3,297,053	3,106,984	31,429,615	3,297,053
20	3,647,126	109,414	(190,069)	3,566,471	(80,655)	(109,414)	(190,069)	3,404,055	3,213,986	34,643,602	3,404,055
21	3,566,471	106,994	(190,069)	3,483,396	(83,075)	(106,994)	(190,069)	3,488,026	3,297,957	37,941,559	3,488,026
22	3,483,396	104,502	(190,069)	3,397,829	(85,567)	(104,502)	(190,069)	2,70,382	80,313	38,021,872	2,70,382
23	3,397,829	101,935	(190,069)	3,309,695	(88,134)	(101,935)	(190,069)	2,343,845	2,153,776	40,175,648	2,343,845
24	3,309,695	99,291	(190,069)	3,218,917	(90,778)	(99,291)	(190,069)	2,689,288	2,499,219	42,674,868	2,689,288
25	3,218,917	96,568	(190,069)	3,125,416	(93,501)	(96,568)	(190,069)	3,052,714	2,862,645	45,537,513	3,052,714
26	3,125,416	93,762	(190,069)	3,029,110	(96,306)	(93,762)	(190,069)	3,113,850	2,923,781	48,461,294	3,113,850
27	3,029,110	90,873	(190,069)	2,929,914	(99,195)	(90,873)	(190,069)	2,947,111	2,757,042	51,218,336	2,947,111
28	2,929,914	87,897	(190,069)	2,827,743	(102,171)	(87,897)	(190,069)	3,351,665	3,161,596	54,379,933	3,351,665
29	2,827,743	84,832	(190,069)	2,722,507	(105,236)	(84,832)	(190,069)	3,095,401	2,905,332	57,285,265	3,095,401
30	2,722,507	81,675	(190,069)	2,614,113	(108,394)	(81,675)	(190,069)	3,299,262	3,109,193	60,394,458	3,299,262
31	2,614,113	78,423	(190,069)	2,502,468	(111,645)	(78,423)	(190,069)	3,914,550	3,724,481	64,118,939	3,914,550
32	2,502,468	75,074	(190,069)	2,387,473	(114,995)	(75,074)	(190,069)	4,551,643	4,361,574	68,480,514	4,551,643
33	2,387,473	71,624	(190,069)	2,269,028	(118,445)	(71,624)	(190,069)	4,662,343	4,472,274	72,952,788	4,662,343
34	2,269,028	68,071	(190,069)	2,147,030	(121,998)	(68,071)	(190,069)	4,775,608	4,585,539	77,538,327	4,775,608
35	2,147,030	64,411	(190,069)	2,021,373	(125,658)	(64,411)	(190,069)	5,082,327	4,892,258	82,430,585	5,082,327
36	2,021,373	60,641	(190,069)	1,891,945	(129,428)	(60,641)	(190,069)	5,270,459	5,080,390	87,510,976	5,270,459
37	1,891,945	56,758	(190,069)	1,758,635	(133,310)	(56,758)	(190,069)	5,397,701	5,207,632	92,718,608	5,397,701
38	1,758,635	52,759	(190,069)	1,621,325	(137,310)	(52,759)	(190,069)	5,527,873	5,337,804	98,056,412	5,527,873
39	1,621,325	48,640	(190,069)	1,479,896	(141,429)	(48,640)	(190,069)	5,661,041	5,470,972	103,527,384	5,661,041
40	1,479,896	44,397	(190,069)	1,334,224	(145,672)	(44,397)	(190,069)	5,797,271	5,607,202	109,134,587	5,797,271
41	1,334,224	40,027	(190,069)	1,184,182	(150,042)	(40,027)	(190,069)	5,936,631	5,746,562	114,881,149	5,936,631
42	1,184,182	35,525	(190,069)	1,029,639	(154,543)	(35,525)	(190,069)	665,887	475,818	115,356,967	665,887
43	1,029,639	30,889	(190,069)	870,459	(159,180)	(30,889)	(190,069)	4,065,216	3,875,147	119,232,114	4,065,216
44	870,459	26,114	(190,069)	706,504	(163,955)	(26,114)	(190,069)	4,632,956	4,442,887	123,675,002	4,632,956
45	706,504	21,195	(190,069)	537,631	(168,874)	(21,195)	(190,069)	5,230,134	5,040,065	128,715,067	5,230,134
46	537,631	16,129	(190,069)	363,691	(173,940)	(16,129)	(190,069)	5,331,944	5,141,875	133,856,942	5,331,944
47	363,691	10,911	(190,069)	184,533	(179,158)	(10,911)	(190,069)	5,060,319	4,870,250	138,727,192	5,060,319
48	184,533	5,536	(190,069)	0	(184,533)	(5,536)	(190,069)	5,724,787	5,534,718	144,261,911	5,724,787
Total	127,350,910	3,820,527	(8,446,325)	122,725,112	(4,625,798)	(3,820,527)	(8,446,325)	152,708,236	144,261,911		