	Nominal Delivered Gas Price $/MMBtu	Nominal Carbon Price $/Ton	% from Market or GT
013	4.86	0.00	56%
014	4.92	0.00	60%
015	5.27	0.00	65%
016	5.57	0.00	70%
017	6.08	0.00	74%
018	6.64	0.00	79%
019	7.25	0.00	83%
020	7.91	0.00	88%
021	8.64	0.00	93%
022	9.43	0.00	97%
023	10.30	0.00	100%
024	11.24	0.00	100%
025	12.28	0.00	100%
026	13.40	0.00	100%
027	14.63	0.00	100%
028	15.98	0.00	100%
029	17.44	0.00	100%
030	19.04	0.00	100%
031	20.79	0.00	100%
032	22.70	0.00	100%

Use Carbon? "1=yes" 0 Other=no

Use Incremental cost ga: rather than Market in hours above coal: 1 (2=yes Other=no)

Carbon Intensity...7000 HR Combined Cycle Combustion turbine	0.429	Tons/MWh
Carbon Intensity...Coal Plant	1.000	Tons/MWh

Resultant 20 year levelized energy avoided cost (before capacity and REC value)

Equals $60.72

Proposed Levelized Avoided Energy Cost 69.3

ate Gas Prices $/MMBtu

	2010 Reference Case	2010 High Growth	2010 Low Technology	2010 Hi Renew Cost	2010 No Shale	2011 EarlyRelease	OtterTail Nominal $
013	6.24	6.23	6.26	6.29	7.03	4.51	4.86
014	6.24	6.2	6.27	6.28	7.17	4.52	4.92
015	6.49	6.4	6.56	6.53	7.42	4.71	5.27
016	6.68	6.53	6.76	6.72	7.61	4.97	5.57
017	6.83	6.6	6.91	6.86	7.76	5.24	6.08
018	7.01	6.83	7.13	7.05	7.98	5.48	6.64
019	7.2	7.01	7.37	7.26	8.28	5.71	7.25
020	7.45	7.25	7.67	7.48	8.37	5.98	7.91
021	7.7	7.31	8.05	7.77	8.36	6.25	8.64
022	8.1	7.34	8.27	7.95	8.67	6.56	9.43
023	8.26	7.64	8.33	7.97	9.2	6.91	10.30
024	8.25	8.02	8.52	8.25	9.64	7.23	11.24
025	8.46	8.53	9.06	8.63	10.1	7.55	12.28
026	8.91	8.95	9.58	9.06	10.53	7.84	13.40
027	9.36	9.36	10.18	9.56	11.05	8.14	14.63
028	9.89	9.87	10.73	10.11	11.61	8.45	15.98
029	10.39	10.35	11.31	10.6	12.29	8.75	17.44
030	11	10.77	12.02	11.23	12.72	9.03	19.04
031	11.7	11.19	12.66	11.92	13.16	9.33	20.79
032	12.19	11.25	13.24	12.46	13.65	9.69	22.70

Levelized Avoided Energy Cost $/MWh

	2010 Ref Case MHR method	2010 High Growth MHR method	2010 Low Tech MHR method	2010 Hi Renew Cost MHR method	2010 No Shale MHR method	2011 EarlyRelease MHR method
Energy	50.21	48.95	52.1	50.54	56.63	41.38
REC	7.5	7.5	7.5	7.5	7.5	7.5
Capacity	7.3	7.3	7.3	7.3	7.3	7.3
Total Avoided Cost	65.01	63.75	66.9	65.34	71.43	56.18

Otter Tail Gas MHR method	Otter Tail Big Stone Direct	Otter Tail CCCT Direct	NorthWestern Spion Kop Direct
60.72	57.09	81.47	75.52
7.5	7.5	7.5	0
7.3	0	0	0
75.52	64.59	88.97	75.52

Capacity Avoided Cost

Capital Cost Aberdeen GT	$ 70,500,000	
MW Aberdeen GT	50	
$/MW	$ 1,410,000	
LFCR GT	10%	
GT $/MW/yr	$ 141,000	
.2*19.5 MW capacity	$ 549,900	paid per year to Oak Tree
	$ 7.32	Divide by Oak Tree Energy

Oak Tree Energy MWh: 75160.8

REC value: Either $7.5/MWh additional or Oak Tree keeps the RECs