IceCube Upgrade Cost Uncertainty calculated values, based on Replan Y2

		Plar	ned				Cost Un	certainty		
WBS	Y2	Y3	Y4	Y5		Y2	Y3	Y4	Y5	total
1.1.1.1	\$625,249	\$529,920	\$602,042	\$572,197	0.05	\$31,262	\$29,604	\$31,686	\$30,275	\$92,687
1.1.2.1	\$154,975	\$144,558	\$156,511	\$158,800	0.06	\$9,299	\$9,691	\$9,885	\$10,083	\$29,658
1.1.3.1	\$166,005	\$157,192	\$173,505	\$176,043	0.05	\$8,300	\$8,782	\$9,132	\$9,314	\$27,228
1.1.4.1	\$92,698	\$88,223	\$95,502	\$96,885	0.10	\$9,270	\$9,857	\$10,053	\$10,252	\$30,181 \$71.140
1.1.5.1	\$278,961 \$222,653	\$204,110 \$202,632	\$227,237 \$219,300	\$230,547 \$126,113	0.10	\$27,896 \$15,586	\$22,806 \$15,848	\$23,920 \$16,159	\$24,397 \$9,342	\$71,140
1.2.1.1	\$144,900	\$202,632	\$163,875	\$126,113	0.07	\$10,143	\$15,848	\$10,159	\$9,342	\$41,670
1.2.1.3	\$13,770	\$9,585	\$13,082	\$4,338	0.07	\$964	\$750	\$964	\$321	\$2,999
1.2.1.4	\$35,496	\$14,499	\$18,715	\$0	0.07	\$2,485	\$1,134	\$1,379	\$0	\$2,513
1.2.2.1	\$57,814	\$0	\$0	\$0	0.08	\$4,625	\$0	\$0	\$0	\$3,589
1.2.2.2	\$28,426	\$0	\$0	\$0	0.08	\$2,274	\$0	\$0	\$0	\$884
1.2.2.3	\$78,182	\$0	\$0	\$0	0.12	\$9,382	\$0	\$0	\$0	\$2,236
1.2.3.1	\$142,536	\$10,115	\$0	\$0	0.20	\$28,507	\$2,260	\$0	\$0	\$18,388
1.2.3.2	\$90,191	\$23,951	\$0	\$0	0.20	\$18,038	\$5,352	\$0	\$0	\$11,060
1.2.3.3	\$274,588	\$19,473	\$0	\$0	0.18	\$49,426	\$3,916	\$0	\$0	\$29,571
1.2.3.4	\$0	\$0	\$0	\$0	0.20	\$0	\$0	\$0	\$0	\$0
1.2.3.5	\$237,729	\$0	\$0	\$0	0.14	\$33,282	\$0	\$0	\$0	\$27,152
1.2.4.1	\$37,616 \$323,333	\$108,664	\$98,325	\$0 \$36,406	0.20	\$7,523 \$38,800	\$0 \$14,569	\$0 \$12,420	\$0 \$4,623	\$0 \$50,621
1.2.4.2	\$323,333	\$331,653	\$98,325	\$36,406	0.12	\$30,000	\$44,467	\$12,420	\$4,623	\$61,510
1.2.4.4	\$64,372	\$258,620	\$98,323	\$30,400	0.14	\$9,012	\$40,455	\$12,420	\$4,023	\$40,455
1.2.4.5	\$61,785	\$250,020	\$0	\$0	0.14	\$8,650	\$10,433	\$0	\$0	\$767
1.2.4.6	\$83,039	\$41,804	\$0	\$0	0.14	\$11,625	\$6,539	\$0	\$0	\$7,659
1.2.4.7	\$79,917	\$22,913	\$0	\$0	0.14	\$11,188	\$3,584	\$0	\$0	\$7,387
1.2.4.8	\$0	\$13,532	\$0	\$0	0.14	\$0	\$2,117	\$0	\$0	\$2,117
1.2.4.9	\$0	\$0	\$0	\$0	0.14	\$0	\$0	\$0	\$0	\$0
1.2.5.1	\$1,702	\$0	\$0	\$0	0.16	\$272	\$0	\$0	\$0	\$236
1.2.5.2	\$161	\$4,519	\$0	\$0	0.16	\$26	\$808	\$0	\$0	\$808
1.2.5.4	\$93,336	\$0	\$0	\$0	0.18	\$16,800	\$0	\$0	\$0	\$11,422
1.2.6.1	\$16,558	\$0	\$0	\$0	0.12	\$1,987	\$0	\$0	\$0	\$1,194
1.2.6.2	\$48,158	\$1,506 \$1,775	\$0	\$0	0.12	\$5,779	\$202 \$238	\$0	\$0	\$4,062
1.2.6.3	\$52,362 \$160,193	\$1,775	\$0 \$0	\$0 \$0	0.12	\$6,283 \$19,223	\$238 \$461	\$0 \$0	\$0 \$0	\$3,664 \$12,943
1.2.6.5	\$3,366	\$3,441	\$0 \$0	\$0 \$0	0.12	\$19,223	\$461	\$0	\$0	\$12,943
1.2.6.6	\$59,294	\$0	\$0	\$0	0.12	\$7,115	\$0	\$0	\$0	\$2,317
1.2.7.1	\$18,813	\$0	\$0	\$0	0.12	\$2,258	\$0	\$0	\$0	\$1,285
1.2.7.2	\$22,648	\$20,373	\$21,798	\$1,279	0.12	\$2,718	\$2,732	\$2,753	\$162	\$7,305
1.2.7.3	\$29,360	\$0	\$0	\$0	0.12	\$3,523	\$0	\$0	\$0	\$1,604
1.2.7.4	\$26,370	\$24,681	\$26,733	\$1,868	0.12	\$3,164	\$3,309	\$3,377	\$237	\$7,291
1.2.7.5	\$0	\$0	\$0	\$0	0.12	\$0	\$0	\$0	\$0	\$1,854
1.2.8.1	\$59,178	\$108,776	\$257,912	\$0	0.07	\$4,142	\$8,508	\$19,004	\$0	\$27,512
1.2.8.2	\$0	\$0	\$0	\$0	0.07	\$0	\$0	\$0	\$0	\$0
1.2.8.3	\$670,498	\$0	\$0	\$0	0.20	\$134,100	\$0	\$0	\$0	\$28,953
1.2.8.4	\$0 \$0	\$253,522 \$0	\$582,623	\$0 \$0	0.20	\$0 \$0	\$56,653 \$0	\$0 \$42,930	\$0 \$0	\$56,653 \$42,930
1.2.8.6	\$0	\$0	\$382,023	\$1,068,546	0.07	\$0	\$0	\$42,930	\$158,303	\$158,303
1.2.9.1	\$0	\$0	\$0	\$0	0.12	\$0	\$0	\$0	\$0	\$130,303
1.2.9.2	\$37,923	\$0	\$0	\$0	0.12	\$4,551	\$0	\$0	\$0	\$0
1.2.9.3	\$81,939	\$50,736	\$0	\$0	0.12	\$9,833	\$6,803	\$0	\$0	\$12,337
1.2.9.4	\$0	\$0	\$77,730	\$0	0.12	\$0	\$0	\$9,819	\$0	\$9,819
1.2.9.5	\$0	\$0	\$0	\$66,487	0.12	\$0	\$0	\$0	\$8,443	\$8,443
1.3.1.0	\$7,530	\$0	\$0	\$0	0.04	\$301	\$0	\$0	\$0	\$0
1.3.1.1	\$0	\$9,887	\$0	\$0	0.20	\$0	\$2,209	\$0	\$0	\$2,209
1.3.1.3	\$74,686	\$0	\$0	\$0	0.20	\$14,937	\$0	\$0	\$0	\$158
1.3.3.0	\$0 \$83,726	\$0 \$0	\$0 \$0	\$0 \$0	0.04	\$0 \$13,396	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$1,601
1.3.3.2	\$38,807	\$23,270	\$0 \$0	\$0 \$0	0.14	\$5,433	\$3,640	\$0 \$0	\$0	\$7,116
1.3.3.3	\$124,729	\$51,979	\$0	\$0	0.12	\$14,967	\$6,969	\$0	\$0	\$14.067
1.3.5.0	\$124,723	\$0	\$12,655		0.12	\$14,307	\$0,909	\$533	\$0	\$533
1.4.0.0	\$54,743	\$0	\$9,048	\$0		\$3,832	\$0	\$667	\$0	\$4,167
1.4.1.1	\$214,569	\$84,795	\$36,881	\$26,268		\$47,205	\$20,843	\$8,541	\$6,115	\$44,063
1.4.1.2	\$67,921	\$27,501	\$0		0.26	\$17,659	\$7,989	\$0	\$0	\$10,609
1.4.1.3	\$26,071	\$78,491	\$0	\$0		\$4,171	\$14,032	\$0	\$0	\$14,156
1.4.1.4	\$86,955	\$0	\$0	\$0		\$13,913	\$0	\$0	\$0	\$0
1.4.2.1	\$44,020	\$8,518	\$5,301		0.20	\$8,804	\$1,903	\$1,116	\$0 \$0	\$10,149
1.4.2.2	\$58,497	\$0 \$338,019	\$0 \$727	\$0 \$0		\$14,039	\$0 \$60,428	\$0 \$122	\$0 \$0	\$60.931
1.4.4.1	\$31,825 \$37,828	\$338,019	\$727 \$727	\$0 \$0	0.16	\$5,092 \$15,131	\$60,428	\$122	\$0 \$0	\$60,921 \$4,503
1.4.4.2	\$37,828	\$8,169	\$727	\$0 \$0		\$15,131	\$3,651	\$306	\$0 \$0	\$4,503
1.4.5.1	\$0	\$3,735	\$0 \$0	\$0		\$0	\$334	\$0	\$0	\$334
1.4.5.2	\$18,961	\$0	\$0		0.14	\$2,655	\$0	\$0	\$0	\$0
1.4.5.3	\$24,949	\$0	\$0	\$0		\$1,996	\$0	\$0	\$0	\$771
1.4.5.4	\$2,250	\$0	\$0	\$0	0.08	\$180	\$0	\$0	\$0	\$180
1.5.3.2	\$10,679	\$19,126	\$0	\$0		\$3,204	\$6,411	\$0	\$0	\$6,411
1.5.3.3	\$0	\$15,424	\$0	\$0		\$0	\$5,170	\$0	\$0	\$5,170
1.5.3.4	\$0	\$2,014	\$0		0.30	\$0	\$675	\$0	\$0	\$675
1.5.4.1	\$2,754	\$0	\$1,052	\$0		\$826	\$0	\$332	\$0	\$332
1.5.4.2	\$0	\$448	\$0	\$0		\$0	\$150	\$0 \$73	\$0	\$150
1.6.0.0	\$0 \$7.874	\$0 \$604	\$1,744	\$0 \$722		\$2 205	\$0 \$217	\$73 \$217	\$0 \$217	\$2,417
1.6.1.1	\$7,874 \$57,154	\$694 \$13,890	\$736 \$105,669	\$732 \$107,253		\$2,205 \$16,003	\$217 \$4,346	\$217 \$31,145	\$217 \$31,779	\$988 \$73,156
1.6.1.3	\$91,247	\$73,081	\$78,432	\$70,852		\$19,162	\$17,148	\$17,338	\$15,745	\$50,230
1.6.1.4	\$12,792	\$12,796	\$12,459	\$11,240		\$5,629	\$6,291	\$5,771	\$5,233	\$17,295
1.6.2.1	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0
1.6.2.3	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0
1.6.4.1	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$14,790
1.6.4.2	\$109,159	\$685	\$2,108	\$2,601		\$19,649	\$138	\$399	\$495	\$14,767
1.6.4.3	\$30,105	\$0	\$0	\$0	0.14	\$4,215	\$0	\$0	\$0	\$4,215
TOTALS	\$5 995 923	53.552.978	53.100.753	\$2,963,307	ı	\$223,884	\$474,132	5284.535	5342 438	C1 262 626