



**Chugach Electric Association
2006 Generation Plan Update**

**Comparison of Results
Base Plans**

Appendix 1

Corporate Planning & Analysis

May 2007

Chugach Electric Association
2006 Generation Plan Update

Comparison of Results - Base Plans
2009-2040 Present Value of Costs and \$/MWh Levelized Cost - 2006\$

	Capital Costs		Total Capital Costs	Purchased Capacity/Power From Another Utility			Total Operating Costs	Total Costs	30-Year \$/MWh Levelized Cost	
	for New Generation	for Existing Generation Maintenance		Fuel Costs	Variable O&M	Fixed O&M				
\$ in Thousands										
Plan 1 - Status Quo - No New Generation	-	144,522	144,522	1,365,124	228	70,324	152,191	1,587,867	1,732,389	\$79
Plan 2 - Flexibility Plan - add 180MW (3x1 LM6000)	247,941	33,415	281,356	1,184,317	-	100,262	113,438	1,398,017	1,679,373	\$76
Plan 3 - Current FMP - 130MW (106FA)	202,706	33,415	236,122	1,226,245	-	94,645	119,990	1,440,881	1,677,003	\$76
Plan 4 - 5-Year Deferral - 50MW gas (LM6000 SC) + 130MW Coal	390,993	38,554	429,547	983,552	-	91,867	370,807	1,446,226	1,875,772	\$87
Plan 5 - 10-Year Deferral - add 100MW of gas (LMS100) + 130MW Coal	385,060	101,005	486,064	1,076,927	-	106,691	307,705	1,491,323	1,977,388	\$91
Plan 6 - Joint Utility - add 130MW ((Chugach Owns 1/2 206FA)	128,586	33,415	162,001	1,227,122	-	100,402	115,822	1,443,347	1,605,348	\$73
Plan 7 - Build Simple Cycle - add 150MW (3 LM6000 SC)	157,988	33,415	191,403	1,344,113	-	128,839	107,270	1,580,221	1,771,625	\$81
Plan 8 - Entire 260MW - Add 260MW (206FA)	257,172	33,415	290,587	1,093,710	-	117,428	117,901	1,329,040	1,619,627	\$74
Plan 9 - Coal Only - add 130MW Coal	335,121	38,554	373,675	1,047,181	228	73,784	415,729	1,536,921	1,910,596	\$89