

Coffin Butte Resource Project- December 2010										
Engine Hours of Operation				Engine Downtimes						
Coffin Butte 1				Coffin Butte 1 Assumes Generation Estimate of 2 MW flat						
Engine # 1										
Date	Total Hours	On-line Hours	Date	Time	Event	DERBS hours (A)	MWs Deviation (B)	DERBS MWh (A*B=C)	Max DERBS hourly rate (D)	Potential DERBS cost (C*D=E) ***
December-10	129,170	740	12/7/10	1.50	Calibrate gas flow meter	2.0	2.0	4.0	\$743	\$2,972
			12/15/10	0.50	Clean gas sumps	2.0	2.0	4.0	\$743	\$2,972
			12/28/10	2.00	Service	2.0	0.4	0.8	\$743	\$594
Total Hours Off-line				4.00						
Engine # 2										
Date	Total Hours	On-line Hours	Date	Time	Event	DERBS hours (A)	MWs Deviation (B)	DERBS MWh (A*B=C)	Max DERBS hourly rate (D)	Potential DERBS cost (C*D=E) ***
December-10	128,176	735	12/7/10	1.50	Calibrate gas flow meter	Plant Outage (DERBS is accounted for in Engine #1)				
			12/15/10	0.50	Clean gas sumps	Plant Outage (DERBS is accounted for in Engine #1)				
			12/21/10	1.50	Service	2.0	0.4	0.8	\$743	\$594
			12/25/10	1.50	Spark plug service	2.0	0.4	0.8	\$743	\$594
			12/29/10	4.00	Replace cyl. Head	2.0	0.4	0.8	\$743	\$594
Total Hours Off-line				9.00						
Engine # 3										
Date	Total Hours	On-line Hours	Date	Time	Event	DERBS hours (A)	MWs Deviation (B)	DERBS MWh (A*B=C)	Max DERBS hourly rate (D)	Potential DERBS cost (C*D=E) ***
December-10	128,436	737	12/7/10	1.50	Calibrate gas flow meter	Plant Outage (DERBS is accounted for in Engine #1)				
			12/15/10	0.50	Clean gas sumps	Plant Outage (DERBS is accounted for in Engine #1)				
			12/19/10	2.00	Detonation	2.0	0.4	0.8	\$743	\$594
			12/23/10	0.25	Spark plug service	2.0	0.4	0.8	\$743	\$594
			12/28/10	1.50	Service	2.0	0.4	0.8	\$743	\$594
			12/29/10	0.50	Low cyl. Temp	2.0	0.4	0.8	\$743	\$594
			12/29/10	0.75	Low cyl. Temp	2.0	0.4	0.8	\$743	\$594
Total Hours Off-line				7.00						
Coffin Butte 2				Coffin Butte 2 Assumes Generation Estimate of 3 MW flat						
Engine # 4										
Date	Total Hours	On-line Hours	Date	Time	Event	DERBS hours (A)	MWs Deviation (B)	DERBS MWh (A*B=C)	Max DERBS hourly rate (D)	Potential DERBS cost (C*D=E) ***
December-10	27,871	730	12/2/10	0.50	Spark plug service	2.0	1.4	2.8	\$743	\$2,080
			12/4/10	0.25	Detonation	2.0	1.4	2.8	\$743	\$2,080
			12/4/10	0.50	Throttle actuator	2.0	1.4	2.8	\$743	\$2,080
			12/5/10	0.75	Throttle actuator	2.0	1.4	2.8	\$743	\$2,080
			12/7/10	1.75	Service	2.0	1.4	2.8	\$743	\$2,080
			12/7/11	1.00	Calibrate gas flow meter	2.0	3.0	6.0	\$743	\$4,458
			12/15/10	8.00	Coolant line leak	2.0	1.4	2.8	\$743	\$2,080
			12/15/10	0.50	Clean sumps	2.0	1.4	2.8	\$743	\$2,080
			12/30/10	0.75	Turbo oil line	2.0	1.4	2.8	\$743	\$2,080
Total Hours Off-line				14.00						
Engine # 5										
Date	Total Hours	On-line Hours	Date	Time	Event	DERBS hours (A)	MWs Deviation (B)	DERBS MWh (A*B=C)	Max DERBS hourly rate (D)	Potential DERBS cost (C*D=E) ***
December-10	27,628	736	12/7/10	1.00	Calibrate gas flow meter	Plant Outage (DERBS is accounted for in Engine #4)				
			12/12/10	1.25	Detonation	2.0	1.4	2.8	\$743	\$2,080
			12/15/10	0.50	Clean gas sumps	2.0	1.4	2.8	\$743	\$2,080
			12/21/10	4.50	Service/cyl heads	2.0	1.4	2.8	\$743	\$2,080

	12/21/10	0.75	Exh leaks	2.0	1.4	2.8	\$743	\$2,080
Total Hours Off-line			8.00	TOTAL Potential DERBS charges for CB1 + CB2 due to outages only:				\$40,716
NOTE: December 2010 had 744 total hours in the month				*** assuming two hour of DERBS exposure per outage, and no other deviations from other parties subject to DERBS in those hours				