

Coffin Butte Resource Project- December 2010										
Engine Hours of Operation				Engine Downtimes						
<b>Coffin Butte 1</b>				<b>Coffin Butte 1 Assumes Generation Estimate of 2 MW flat</b>						
<b>Engine # 1</b>										
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
<b>Total Hours Off-line</b>				<b>4.00</b>						
<b>Engine # 2</b>										
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
<b>Total Hours Off-line</b>				<b>9.00</b>						
<b>Engine # 3</b>										
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
<b>Total Hours Off-line</b>				<b>7.00</b>						
<b>Coffin Butte 2</b>				<b>Coffin Butte 2 Assumes Generation Estimate of 3 MW flat</b>						
<b>Engine # 4</b>										
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
<b>Total Hours Off-line</b>				<b>14.00</b>						
<b>Engine # 5</b>										
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
<b>Total Hours Off-line</b>			<b>8.00</b>	<b>TOTAL Potential DERBS charges for CB1 + CB2 due to outages only:</b>				<b>\$40,716</b>
<b>NOTE: December 2010 had 744 total hours in the month</b>				*** assuming two hour of DERBS exposure per outage, and no other deviations from other parties subject to DERBS in those hours				