Ministel Ecadary Hourismin Cleaned M Dalung R Calc Me R Ling RT Dispine DADispini Unit Cost: Var OBM Total Var C FEEC Form DA LUIP M RT LUIP M DA cleaned DA cleaned DA Cleaned DA Cleaned DA Deanes at Luai Inner All hours a DApaymen RT paymen MSD payr final cost: var oBm os cost[Dane D - benefit full cost: fail cost]/set FEEC var C FEEC cost / Cest-Nev DA Reg DA pain DA Support RT payren RT Support MSD payr final cost: var oBm os cost[Dane D - benefit full cost: fail cost]/set FEEC var C FEEC cost / Cest-Nev DA Reg DA pain DA Support RT payren RT Support MSD payr final cost: var oBm os cost[Dane D - benefit full cost: fail cost]/set FEEC var C FEEC cost / Cest-Nev DA Reg DA pain DA Support RT payren RT Support MSD payr final cost: var oBm os cost[Dane D - benefit full cost: fail cost]/set FEEC var C FEEC cost / Cest-Nev DA Reg DA pain DA Support RT payren RT Support RT payren RT payre

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[TRADE SECRET DATA ENDS]

### Summary MP Data by month (All Hours) 8760 Hours.

BOSWELL 3 FYE 17	,									
Row Labels	Average of Da Lmp	Average of Rt Lmp	Average of Unit Cost	Average of Var O&M	Sum of All hours actual MWh	Sum of MISO payment	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit	Sum of Cost>Rev

Average of Da Average of Rt Average of Unit Average of Var Sum of All hours Sum of MISO Sum of Sum of full cost Sum of full cost / honofit Sum of full cost / honofit Sum of Cost>Rev	BOSWELL 3 FYE 1	8									
	Row Labels	Average of Da Lmp	Average of Rt Lmp	Average of Unit Cost	Average of Var O&M	Sum of All hours actual MWh	Sum of MISO payment	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit	Sum of Cost>Rev

BOSWELL 4 FYE 17										
Row Labels	Average of Da Lmp	Average of Rt Lmp	Average of Unit Cost	Average of Var O&M	Sum of All hours actual MWh	Sum of MISO payment	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit	Sum of Cost>Rev

<b>BOSWELL 4 FYE 1</b>	8								
Row Labels	Average of Da Lmp	Average of Rt Lmp	Average of Unit Cost	Average of Var O&M	Sum of All hours actual MWh	Sum of MISO payment	Sum of cost/(benefit)	Sum of full cost Sum of full cost/benefit	Sum of Cost>Rev

## Only Looking at Fuel Cost:

Net cost/ben by month

	FYE	17	FY				
Month	Bos 3	Bos 4	Bos 3	Bos 4			
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Jan							
Feb							
Mar							
Apr							
May							
Jun							

	FYE	17	FY	E 18
Month	Bos 3	Bos 4	Bos 3	Bos 4
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				

# Magnitude of cost/ben

	FYE	17	FYE 18				
Month	Bos 3	Bos 4	Bos 3	Bos 4			
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Jan							
Feb							
Mar							
Apr							
May							
Jun							

Margin	Bos 3		Bos 4	
	FYE 17	FYE 18	FYE 17	FYE 18
MISO Payments Net cost/ben Margin				

### Including variable o&m Net cost/ben by month

et cost/ben by		E 17	FYE	19
Manth				
Month	Bos 3	Bos 4	Bos 3	Bos 4
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				
Jan				
Feb				
Mar				
Apr				
May				
Jun				

# Magnitude of cost/ben

	FY	E 17	FYI	E 18
Month	Bos 3	Bos 4	Bos 3	Bos 4

Margin	Во	s 3	Во	s 4
	FYE 17	FYE 18	FYE 17	FYE 18

Boswell 3 FYE 17												
DA cleared = DA dis	1											
Row Labels	Count of DA cleared > DA Disp min	Average of Da Lmp	Average of Rt Lmp	Average of Unit Cost	•	Sum of All hours actual MWh	Sum of MISO payment	Sum of fuel costs	Sum of var o&m cost	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit

Boswell 3 FYE 18 DA cleared = DA dis	sı 1										
DA CICUICO - DA CI	, i										
Row Labels		Average of Rt Lmp	Average of Unit Cost	•	Sum of All hours actual MWh	Sum of MISO payment	Sum of fuel costs	Sum of var o&m cost	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit

Boswell 4 FYE 17											
DA cleared = DA dis	1										
Row Labels	cleared > DA Disp	Average of Da Lmp	Average of Rt Lmp	Average of Var O&M	Sum of All hours actual MWh	Sum of MISO payment	Sum of fuel costs	Sum of var o&m cost	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit

Boswell 4 FYE 18												
DA cleared = DA d	lisı 1											
Row Labels	Count of DA cleared > DA Disp min	Average of Da Lmp	Average of Rt Lmp	Average of Unit Cost	•	Sum of All hours actual MWh	Sum of MISO payment	Sum of fuel costs	Sum of var o&m cost	Sum of cost/(benefit)	Sum of full cost	Sum of full cost/benefit

 Bots 3 FFE 2017
 Note: Reported Variable Costs Include "unit cost" and "variable o&m" from compliance filing

 Bots 3 FFE 2017
 Botsetia 2 Gost

 Row Labels
 Average of Unit
 Average of Total
 Average of FERC
 Sum of All hours

 Sum of FERC Var
 Sum of FERC Var
 Sum of full
 Sum of full
 Sum of full

 Row Labels
 Cost
 O&M
 Var Cost
 FERC Form 1- FY17
 FERC Form 1- FY17

Bog 3 FYE 2018 Row Labels Average of Unit Average of Var Average of Total Average of FERC Sum of All hours Sum of MISO Sum of full cost Sum of FERC Var Sum of Sum of full Sum of FERC Var Sum of Sum

Bos 4 FYE 2017
Bos 4 FYE 2017
Row Labels
Average of Unit Average of Var Average of Total Average of FERC Sum of All hours Sum of MISO
Sum of full cost
Sum of FERC Var Sum of Sum of full Sum of FERC Month
Reported - FY17
Reported - FY18
FERC Form 1 - FY17
FERC

(benefit) cost/benefit cost/ben

Bost FVE 2013
Bost FVE 2013
Average of Unit Average of Total Average of Total Average of TERC Sum of All hours Sum of MISO
Row Labels Cost O&M Var Cost Form 1 Var Cost actual MWh payment Sum of ful cost
Cost cost/Denefit cost/benefit cost/benefit cost/benefit

	Hours When Cost E Total Hours in Month				Boswell 4 percent of hours						Boswell 3 % of hours	Boswell 4 % of hours	
		241	269 246	32% 40%	36% 33%								
Jul Aug Sap Oct Nov Dec Jan Feb Mar Apr May Jan <b>Total</b>	744 744 720 744 721 744 672 743 720 720 720 720 724 8760	298 301 168 483 320 247 367 340 235 410 391 <b>3801</b>	246 401 368 448 321 252 357 355 253 396 377 <b>4043</b>	42% 23% 67% 43% 33% 55% 46% 33% 57% 53% 48%	56% 49% 62% 43% 53% 53% 55% 55% 51% 46%								
Feb Mar Apr	744 672 743 720	247 367 340 235	252 357 355 253	33% 55% 46% 33%	53% 53% 48% 35%								
May Jun Total	720 744 8760	410 391 3801	396 377 4043	57% 53% 43%	55% 51% 46%								
Chart F: MP	Hours When Cost Er	xceeded Revenues i	in FY 18		_						Result 3		
Month Jul Aug	Total Hours in Month 744 744	Boswell 3 374 471	359	Boswell 3 percent of hours 50% 63%	Boswell 4 percent of hours 48% 60%		Month	in Month	Boswell 3	Boswell 4	Boswell 3 % of hours	% of hours	
Jul Aug Sap Oct Nov Dec Jan Feb Mar Apr May Jan <b>Total</b>	744 744 720 744 721 744 672 743 720 720 720 720 724 8760	416 412 333	339 445 443 333 319 69 87 150 102 236 305	63% 58% 46% 43% 10% 21% 14% 34% 37%	60% 62% 24% 46% 43% 9% 13% 20% 14% 33% 41% <b>33%</b>								
Jan Feb Mar	744 744 672 743	416 412 333 323 73 105 167 204 245 273	69 87 150	43% 10% 16% 22%	43% 9% 13% 20%								
Apr May Jun	720 720 744	104 245 273 3296	102 236 305 3028	14% 34% 37% 38%	14% 33% 41%								
- CC41	-760	2630	JUL 8	2476	20%								
													Chart I: MP net cost/benefit for self-scheduled hours, when including feel costs coty Boowerd 3 Boowerd 4 Month 1712 1718 PT2 PT2
													Chart E: MP and cost/bands for all blorr, when including feed costs only         6           Month         FV1         FV1         FV1
													Month P127 P128 P127 P128
Net Cost/Be	nefit: SS Hours vs Al	Il Hours											
FY17 Month	All H Bos 3 (fuel only)	Hours Bos 3 (all var cost)	SS H Bos 3 (fuel only)	ours Bos 3 (all var cost)	Other H Bos 3 (fuel only)	lours Bos 3 fall var cost)							
													Chart M: MP net cost/benefit for all hours, when including fuel and variable O&M costs
													Clark M. MP recordposed to all hour, when nouting has and wandle Clark droit. Month P127 December 9 P13 P12 P13 P13
let Cost/Be	nefit: SS Hours vs Al	ll Hours											
Y17 Month	All H Bos 4 (fuel only)	Bos 4 (all var cost)	SS H Bos 4 (fuel only)	Bos 4 (all var cost)	Other H Bos 4 (fuel only)	lours Bos 4 (all var cost)							
													Churt (); MP net cost/Jonnellit for self-scheduled hours, when including fael and variable G&M costs Boswell 3 Boswell 4 Month F122 F121 F122 F122
Net Cost/Be	nefit: SS Hours vs Al	Il Hours		10.1100	0	lours							
Net Cost/Be FY18 Month	nefit: SS Hours vs Al Al H Bos 3 (fuel only)	ll Hours Hours Bos 3 (all var cost)	SS F Bos 3 (fuel only)	ours Bos 3 (all var cost)	Other H Bos 3 (fuel only)	lours Bos 3 (all var cost)							
Net Cost/Be FY18 Month	nefit: SS Hours vs Al Al P Bos 3 (fuel only)	ll Hours Hours Bos 3 (all var cost)	SS F Bos 3 (fuel only)	iours Bos 3 fall var cost)	Other H Bos 3 (fuel oniv)	lours Bos 3 (all var cost)							
Net Cost/Be FY18 Month	nefit: SS Hours vs All Al P Bos 3 (fuel only)	ll Hours Hours Boi 3 (all var cost)	SS F Bos 3 (fuel only)	iours Bos 3 (all var cost)	Other H Bos 3 (fuel onivi	lours Bos 3 fall var cost1							Net Cert/Bendit: Fuel Var GM Chart P: Changet to net cert/bendit when including variable GMM (all heurs)
Net Cost/Be Fr18 Month	nefit: SS Hours vs Al Al P Bos 3 (fuel only)	ll Hours Hours Bos 3 (all var cost)	SS F Bos 3 (fruel only)	ours Bos 3 (ail var cost)	Other + Bos 3 (ffuel only)	tours Bos 3 fall var cost1							Nex Cas/Bendle Fuel Var O&M Chard P: Ch
Net Cost/Be FY18 Month Net Cost/Be FY18													Net Car(Rend): Fail Siz O&M Chart P. Charge to net car(News) when including variable C&M (all Insurg) Month P127 P128 P127 P12
Net Cost/Be FY18 Month Net Cost/Be FY18 Month					Other + Bos 3 (fluel only) Other + Bos 4 (fuel only)								Net CatchBoord: Faul Var G&M Boord 3 Boord 4 Sound 4 Sound 3 Boord 4 Sound 3 Boord 4 Prizz Prizz Priz Priz Priz Priz Priz Pr

Net MISO Payment: SS Hours vs All Hours FYE 17 SS Hours All Hours Month Bos 3 Bos 4 Bos 3 Bos 4 Net MISO Payment: SS Hours vs All Hours FYE 18 SS Hours All Hours Month Bos 3 Bos 4 Bos 3 Bos 4