

Summary of Results

1/31/2006

Table 1: Look Forward - LB CRAC10 for April '06-Sept '06	
Increased Revenue Required (LB CRAC%)	29.61%
Total Increase in revenue in dollars	\$165,082,678
Increase in the Slice Rate	29.07%
Increase in the non-Slice Rate	28.51%

Table 2: Revised LB CRAC 8 True Up: April'05-Sept'05		
(negative sign = refund to customers)		
Total Bill Adjustment for Slice - 120 Day Rule	\$	\$936,001
Total Bill Adjustment for non-Slice - (0 Day Rule + 120 Day Rule)	\$	\$7,187,860
Total Bill Adjustment Slice + non-Slice	\$	\$8,123,860
Adjustment factor for each Slice customer		0.000657
Adjustment factor for each non-Slice customer		0.002612

BPA's Current Forecast for Future LB CRAC's	
note: This is being provided for your planning. These numbers will not change.	
	<u>Na</u>
LB CRAC%	<u>Na</u>
Increase in Slice Rate	<u>Na</u>
Increase in non-Slice Rate	<u>Na</u>

Look Forward LB CRAC 10

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April '06-Sept'06

Table 3

Increased Revenue Required (LB CRAC%)	29.61%	revenue required =	\$165,082,678
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Change to Slice Rate	29.07%
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Change to non-Slice Rate	28.51%
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Base Rates with LB CRAC10 Adjustment						
	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Slice (\$/% Slice per month)	\$1,832,058	\$1,832,058	\$1,832,058	\$1,832,058	\$1,832,058	\$1,832,058
5-yr PF-02 and RL-02 rates						
HLH (\$/MWh)	\$16.94	\$16.87	\$21.14	\$27.80	\$41.15	\$29.48
LLH (\$/MWh)	\$11.33	\$9.32	\$11.31	\$18.88	\$23.04	\$24.15
Demand (\$/kW-mo)	\$1.86	\$1.84	\$2.30	\$2.97	\$2.97	\$2.97
Load Variance (\$/MWh)	\$1.03	\$1.03	\$1.03	\$1.03	\$1.03	\$1.03
Stepped PF-02 Rates						
HLH (\$/MWh)	\$18.09	\$18.03	\$22.30	\$28.95	\$42.31	\$30.64
LLH (\$/MWh)	\$12.49	\$10.47	\$12.47	\$20.03	\$24.20	\$25.30
Demand (\$/kW-mo)	\$1.86	\$1.84	\$2.30	\$2.97	\$2.97	\$2.97
Load Variance (\$/MWh)	\$1.03	\$1.03	\$1.03	\$1.03	\$1.03	\$1.03
IP-02 Rates w IPTAC(A)						
HLH (\$/MWh)	\$21.77	\$21.69	\$25.96	\$32.62	\$45.98	\$34.31
LLH (\$/MWh)	\$16.15	\$14.14	\$16.13	\$23.71	\$27.86	\$28.98
Demand (\$/kW-mo)	\$1.86	\$1.84	\$2.30	\$2.97	\$2.97	\$2.97
IP-02 Rates w IPTAC(B)						
HLH (\$/MWh)	\$23.70	\$23.62	\$27.89	\$34.54	\$47.91	\$36.24
LLH (\$/MWh)	\$18.08	\$16.06	\$18.06	\$25.64	\$29.79	\$30.91
Demand (\$/kW-mo)	\$1.86	\$1.84	\$2.30	\$2.97	\$2.97	\$2.97

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Table 4: Mark-to-Market Prices (\$/MWh)							
	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	AVG.
HLH	64.55	46.45	43.45	71.30	86.30	83.30	65.89
LLH	53.10	35.30	33.85	57.85	70.60	68.65	53.23

Look Forward

April '06-Sept'06

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Table 5: Average Net Augmentation Need and Net Short Position				
		<u>Apr-06</u>	<u>Jul-06</u>	<u>Apr-06</u>
		<u>to</u>	<u>to</u>	<u>to</u>
		<u>Jun-06</u>	<u>Sep-06</u>	<u>Sep-06</u>
1 - Net System Load	aMW	6,142	5,804	5,973
2 - Net Augmentation Need (w/losses)	aMW	923	648	786
3 - Net Short Position				
	HLH	aMW	365	0
	LLH	aMW	376	0
			182	188

These numbers are approximate due to the use of simple averaging.

1 - Net System Load = System Load - Load reductions

2 - Net Augmentation Need = Net System Load - System Capability (w/transmission losses of 1.8%).

3 - The net short position is the simple average of the HLH and LLH actual net short positions for the given months.

Table 6: Selected 6-mo. Total Cost and Revenue Calculations	
1 - Augmentation Pre-Purchase Costs	\$ 130,913,503
2 - Net Short Costs	\$ 41,061,406
3 - Load Reduction Costs	\$ 102,925,084
4 - Total Gross Augmentation Costs in LB CRAC	\$ 261,874,815
5 - Revenues from Resale of Augmentation Quantity	\$ 96,792,138
6 - Net Augmentation Costs (= 4-5)	\$ 165,082,678
7 - Total Revenues from Slice before LB CRAC	\$ 187,794,900
8 - Total Revenues from non-Slice products before LB CRAC	\$ 369,766,985
9 - Total CRAC'able revenue before LB CRAC (= 7+8)	\$ 557,561,884
LB CRAC% (= 6/9)	29.61%

1- Sum of augmentation pre-purchases and power buyback for rate mitigation. Cost of rate mitigation deals with Slice/Block included here. IOU power conversion costs here also.

(Cost of IOU and DSI load reduction deals are contained in row 3). Rate mitigation buyback costs include both premium portion and cost of deals tied to LB CRAC.

2 - Net short costs = cost of meeting BPA's net short position

3 - All costs associated with load reductions from IOU, DSIs, and load following publics.

4 - If row 4 total is less than sum of rows (1+2+3), some costs in rows 1+2 are being excluded from recovery from LB CRAC.

Chase product is included as a credit in the calculation of Total Gross Augmentation Costs.

8 - Total revenue from non-Slice products that are subject to LB CRAC before application of LB CRAC.

Look Forward

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Table 7: Average 6-mo. Costs and Loads		units	April-May	Jun-Jul	Aug-Sept
Slice Load		aMW	1,600	1,600	1,600
PF Base Load		aMW			
	HLH	aMW	3,891	3,702	3,796
	LLH	aMW	3,451	3,174	3,312
RL Base Load		aMW			
	HLH	aMW	999	999	999
	LLH	aMW	999	999	999
IP Base Load		aMW			
	HLH	aMW	762	762	762
	LLH	aMW	762	762	762
Augmentation Pre-Purchase Costs					
(note: this includes mkt. Pre-purchase cost + fixed portion of power buybacks)					
	HLH	\$	11,018,200	13,942,448	12,480,324
	LLH	\$	8,081,562	10,595,624	9,338,593
Load Reduction Costs					
	HLH	\$	9,776,341	9,776,341	9,776,341
	LLH	\$	7,376,848	7,378,831	7,377,840
LDD Slice Costs		\$	239,894	239,894	239,894
LDD Non-Slice Costs		\$	595,020	1,018,689	806,854
C&R Slice Costs		\$	583,841	583,841	583,841
C&R Non-Slice Costs		\$	2,401,985	2,403,018	2,402,501

These numbers are approximate due to the use of simple averaging of actual numbers.

Table 8: Average 6-mo. Loads, Rate Mitigation, System Capability					
			<u>April-May</u>	<u>Jun-Jul</u>	<u>Aug-Sept</u>
1 - System Load		aMW	7,319	7,004	7,162
2 - System Capability		aMW	5,236	5,167	5,202
3 - Load Reduction		aMW	1,177	1,200	1,188
	Public	aMW	0	0	0
	DSI	aMW	490	490	490
	IOU	aMW	620	613	616
	Other	aMW	67	97	82
4 - Augmentation Market Purchases					
	HLH	aMW	424	640	532
	LLH	aMW	443	685	564
5 - Augmentation Power Buybacks					
	HLH	aMW	122	121	122
	LLH	aMW	127	128	127

These numbers are approximate due to the use of simple averaging of actual numbers. Each row in this table is the simple average of the actual numbers in the analysis for that variable.

1&2 - These numbers are net of 1,600aMW of Slice and do not include losses.

3 - All DSI, IOU and load following publics rate mitigation deals treated as load reductions.

4 - Includes only market purchases.

5 - Includes only rate mitigation with Block/Slice customers.

Revised LB CRAC 8 True Up

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Table 9: Total 6-mo. Incremental Revenue, Incremental Cost, Bill Adjustment Factors		
<i>Rows 1, 2 are the revenues BPA earned only from the LB CRAC part of rates.</i>		
1 - LB CRAC revenues earned from Slice	\$	\$50,201,738
2 - LB CRAC revenues earned from non-Slice products	\$	\$96,728,481
<i>sum</i>	\$	\$146,930,219
<i>Rows 3, 4 are the actual LB CRAC Revenue Requirement</i>		
3 - Revenues required from Slice to cover actual LB CRAC costs	\$	\$51,137,739
4 - Revenues required from non-Slice to cover actual LB CRAC costs	\$	\$98,738,366
<i>sum</i>	\$	\$149,876,105
<i>120 Day Bill Adjustment in Dollars (negative indicates refund to customers)</i>		\$2,945,886
5 - Total Bill Adjustment for Slice - 120 Day Rule	\$	\$936,001
6 - Bill Adjustment for non-Slice - 120 Day Rule	\$	\$2,009,885
7 - Bill Adjustment non-Slice - 0 Day Rule	\$	\$5,177,975
8 - Total Bill Adjustment for non-Slice - (Sum of 0 Day Rule + 120 Day Rule)	\$	\$7,187,860
9 - Total Bill Adjustment Slice + non-Slice (row 5 + row 8)	\$	\$8,123,860
<i>Rows 10, 11 are the adjustment factors used to determine individual customer bill adjustments</i>		
10 - Adjustment factor for each Slice customer bill		0.000657
11 - Adjustment factor for each non-Slice customer bill		0.002612

- 1 - Incremental Revenues from the LB CRAC increment to the May 2000 Slice rates.
- 2 - Incremental Revenues from the LB CRAC increment to the May 2000 non-Slice rates.
- 3 - Incremental Augmentation Costs in LB CRAC above May 2000 rates for Slice
- 4 - Incremental Augmentation Costs in LB CRAC above May 2000 rates for non-Slice
- 5 - Row 3 Table 9 - Row 1 Table 9.
- 6 - Row 4 Table 9 - Row 2 Table 9.
- 7 - Row 6 Table 11 - Row 6 Table 10.
- 10 - Applied to Slice payments from customer minus LDD minus C&R.
- 11 - Applied to payments from customer for products subject to LB CRAC minus LDD minus C&R.

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Table 10: Total 6-mo. Cost and Revenue Calculations - 120 Day Rule				
1 - Augmentation Pre-Purchase Costs	\$	\$156,545,297	aMW	897
2 - Net Short Costs	\$	\$21,755,387	aMW	0
3 - Load Reduction Costs	\$	\$106,579,622		
4 - Gross Augmentation Costs in LB CRAC	\$	\$251,682,463	aMW	826
5 - Revenues from Resale of Augmentation Quantity	\$	\$101,806,358	aMW	826
6 - Actual Net Augmentation Costs in LB CRAC - 120 Day Rule (= 4-5)	\$	\$149,876,105	aMW	826
Rows 7, 8, 9 revenue calculations are the revenues BPA earned under LB CRAC'ed rates				
7 - Total Revenues from Slice	\$	\$237,506,984	aMW	1,600
8 - Total Revenues from non-Slice products	\$	\$458,586,007	aMW	4,110
9 - Total Revenue with LB CRAC Applied (= 7+8)	\$	\$696,092,991		

1- Sum of augmentation pre-purchases and power buyback for rate mitigation. Cost of rate mitigation deals with Slice/Block included here. IOU power conversion costs here also. (Cost of IOU and DSI load reduction deals are contained in row 3). Rate mitigation buyback costs include both premium portion and cost of deals tied to LB CRAC.

2 - net short costs = cost of meeting BPA's net short position

3 - All costs associated with load reductions from IOU, DSIs, and load following publics are borne by Slice and non-Slice.

4 - If row 4 total is less than sum of rows (1+2+3), some costs in rows 1+2 are being excluded from recovery from LB CRAC. Also, the Chase product is included as a credit in the calculation of Total Gross Augmentation Costs.

5 - Revenue from the resale of the augmentation quantity using the GRSP formula.

7, 8, 9 - Total revenue earned by BPA from Slice and non-Slice products at rates with LB CRAC.

Table 11: Total 6-mo. Cost and Revenue Calculations - 0 Day Rule				
1 - Augmentation Pre-Purchase Costs - 0 Day Rule	\$	\$156,545,297	aMW	897
2 - Net Short Costs - 0 Day Rule	\$	\$26,933,361	aMW	0
3 - Load Reduction Costs	\$	\$106,579,622		
4 - Gross Augmentation Costs in LB CRAC - 0 Day Rule	\$	\$256,860,438	aMW	826
5 - Revenues from Resale of Augmentation Quantity	\$	\$101,806,358	aMW	826
6 - Actual Net Augmentation Costs in LB CRAC 0 Day Rule (= 4-5)	\$	\$155,054,079	aMW	826

1- Sum of augmentation pre-purchases and power buyback for rate mitigation. Cost of rate mitigation deals with Slice/Block included here. IOU power conversions costs here also. (Cost of IOU and DSI load reduction deals are contained in row 3). Rate mitigation buyback costs include both premium portion and cost of deals tied to LB CRAC.

2 - net short costs = cost of meeting BPA's net short position

3 - All costs associated with load reductions from IOU, DSIs, and load following publics are borne by Slice and non-Slice.

4 - If row 4 total is less than sum of rows (1+2+3), some costs in rows 1+2 are being excluded from recovery from LB CRAC. Also, the Chase product is included as a credit in the calculation of Total Gross Augmentation Costs.

5 - Revenue from the resale of the augmentation quantity using the GRSP formula

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Final Results

Revised on 1/31/06

Revised LB CRAC 8 True Up

1/31/2006

April '05-Sept'05

		<u>Apr</u> <u>to</u> <u>Jun</u>	<u>Jul</u> <u>to</u> <u>Sep</u>	<u>Apr</u> <u>to</u> <u>Sep</u>
1 - Net System Load	aMW	6,146	5,972	6,059
2 - System Capability	aMW	5,278	5,218	5,248
3 - Net Augmentation Need (w/losses)	aMW	884	768	826
4 - Net Short Position	aMW	266	0	133
HLH	aMW	274	0	137
LLH	aMW	258	0	129

These numbers are approximate due to the use of simple averaging.

1- In the True Up, Net System Load equals the system loads BPA served.

2 - Production from the system established in the rate case.

3 - Net Augmentation Need = Net System Load minus System Capability plus transmission losses of 1.8%. It is the simple average of actual monthly net augmentation need used in the model.

4 - The net short position is the simple average of the HLH and LLH actual net short positions for the given months.

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Table 13: Quarterly Average Loads		units	April-May	Jun-Jul	Aug-Sept
Slice Load Served		aMW	1,600	1,600	1,600
PF Load Served					
	HLH	aMW	3,748	3,620	3,683
	LLH	aMW	3,320	3,108	3,214
RL Load Served					
	HLH	aMW	382	382	382
	LLH	aMW	382	382	382
IP Load Served					
	HLH	aMW	265	265	265
	LLH	aMW	265	265	265

These numbers are approximate due to the use of simple averaging of actual numbers.

Table 14: Quarterly LDD & C&R Dollars		units	April-May	Jun-Jul	Aug-Sept
LDD Slice Costs		\$	406,030	406,030	406,030
LDD Non-Slice Costs		\$	636,885	1,160,898	898,891
C&R Slice Costs		\$	583,899	583,880	583,889
C&R Non-Slice Costs		\$	2,248,728	2,249,780	2,249,254

These numbers are approximate due to the use of simple averaging of actual numbers.

Table 15: Average Pre-Purchase Quantities to Meet Augmentation Need			April-May	Jun-Jul	Aug-Sept
1 - Augmentation Market Purchases - 120 Day Rule					
	HLH	aMW	486	1,046	766
	LLH	aMW	503	1,058	780
1 - Augmentation Market Purchases - 0 Day Rule					
	HLH	aMW	486	1,046	766
	LLH	aMW	503	1,058	780
2 - Augmentation Power Buybacks - 120 Day Rule					
	HLH	aMW	124	124	124
	LLH	aMW	124	124	124
2 - Augmentation Power Buybacks - 0 Day Rule					
	HLH	aMW	124	124	124
	LLH	aMW	124	124	124

These numbers are approximate due to the use of simple averaging of actual numbers. Each row in this table is the simple average of the actual numbers in the analysis for that variable.

1 - Includes only market purchases.

2 - Includes only rate mitigation with Block/Slice customers and IOU cash for power conversion.

Compare: Forecast to Actuals for Revised LB CRAC8

April '05-Sept'05

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Table 16: Average Monthly Net System Load, Net Augmentation Need, Net Short Position				
		Forecast	Actual	Actual-Fcst
Net System Load	aMW	5,969	6,059	90
System Capability	aMW	5,248	5,248	0
Net Augmentation Need (w/losses)	aMW	734	826	92
Net Short Position	aMW	86	133	47
	HLH	89	137	48
	LLH	82	129	47

Table 17: Selected Total Cost and Revenue Calculations				
		Forecast	Actual (120 Day)	Actual-Fcst
Augmentation Pre-Purchase Costs	\$	159,449,466	156,545,297	-2,904,169
Net Short Costs	\$	14,674,258	21,755,387	7,081,129
Load Reduction Costs	\$	106,573,763	106,579,622	5,859
Gross Augmentation Costs in LB CRAC	\$	237,379,392	251,682,463	14,303,071
Augmentation Costs Covered by Base Rates	\$	90,446,231	101,806,358	11,360,127
Net Augmentation Costs (= 4-5)	\$	146,933,161	149,876,105	2,942,944
Revenue Earned from the LB CRAC	\$	146,933,161	146,930,219	-2,942

Table 18: Average Monthly Costs and Loads				
		Forecast	Actual	Actual-Fcst
Slice Load to Serve	aMW	1,600	1,600	0
PF Load to Serve	aMW			
	HLH	3,681	3,683	2
	LLH	3,198	3,214	16
RL Load to Serve	aMW			
	HLH	383	382	-1
	LLH	383	382	-1
IP Load to Serve	aMW			
	HLH	265	265	0
	LLH	265	265	0
Augmentation Pre-Purchase Costs -120 Day (note: this includes mkt. Pre-purchase cost + fixed & var. portion of power buybacks)	HLH \$	15,196,766	15,160,138	-36,628
	LLH \$	11,378,145	10,930,745	-447,400
Load Reduction Costs				
	HLH \$	10,147,920	10,143,140	-4,780
	LLH \$	7,614,373	7,620,130	5,757
LDD Slice Costs	\$	243,814	406,030	162,216
LDD Non-Slice Costs	\$	612,981	898,891	285,911
C&R Slice Costs	\$	583,841	583,889	48
C&R Non-Slice Costs	\$	2,402,665	2,249,254	-153,411

note: These numbers are approximate due to the use of simple averaging of actual numbers.

Table 19: Average Monthly Load Reductions and Power Purchases				
		Forecast	Actual	Actual-Fcst
Load Reduction*				
	Public	0	NA	
	DSI	504	NA	
	IOU	616	NA	
	Other	50	NA	
Augmentation Market Purchases - 120 Day Rule				
	HLH	769	766	-3
	LLH	805	780	-25
Augmentation Market Purchases - 0 Day Rule**				
	HLH	NA	766	
	LLH	NA	780	
Augmentation Power Buybacks - 120 Day Rule				
	HLH	124	124	0
	LLH	121	124	3
Augmentation Power Buybacks - 0 Day Rule**				
	HLH	NA	124	
	LLH	NA	124	

* Actual load reductions are not calculated.

** For the forecast, implicitly, the 0 day results = 120 day results.

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