

Table 1 - Summary of Results

Look Forward - LB CRAC2 FY02

April 02 - September 02

Increased Revenue Required (LB CRAC%)	40.77%
Increase in Slice Rate	40.03%
Increase in non-Slice Rate	39.08%

LB CRAC True Up: October 01 to December 01

Total Bill Adjustment for Slice - 120 Day Rule	-\$4,244,383
Total Bill Adjustment for non-Slice - (Sum of 0 Day Rule + 120 Day Rule)	-\$10,723,248
Total Bill Adjustment Slice + non-Slice (row 6 + row 8)	-\$14,967,631
Adjustment factor for each Slice customer bill	(0.010252778)
Adjustment factor for each non-Slice customer bill	(0.011890168)

Table 2 LB CRAC2 FY02

April 02 - September 02

Increased Revenue Required (LB CRAC%)	40.77%
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Change to Slice Rate	40.03%
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Change to non-Slice Rate	39.08%
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Revised Rates						
	Apr-02	May-02	Jun-02	Jul-02	Aug-02	Sep-02
Slice (\$/% Slice per month)	\$1,987,628	\$1,987,628	\$1,987,628	\$1,987,628	\$1,987,628	\$1,987,628
5-yr PF-02 and RL-02 rates						
HLH (\$/MWh)	\$18.33	\$18.26	\$22.88	\$30.08	\$44.53	\$31.90
LLH (\$/MWh)	\$12.27	\$10.08	\$12.24	\$20.43	\$24.94	\$26.13
Demand (\$/kW-mo)	\$2.02	\$1.99	\$2.49	\$3.21	\$3.21	\$3.21
Load Variance (\$/MWh)	\$1.11	\$1.11	\$1.11	\$1.11	\$1.11	\$1.11
Stepped PF-02 Rates						
HLH (\$/MWh)	\$17.50	\$17.43	\$22.04	\$29.25	\$43.70	\$31.07
LLH (\$/MWh)	\$11.43	\$9.25	\$11.40	\$19.60	\$24.10	\$25.30
Demand (\$/kW-mo)	\$2.02	\$1.99	\$2.49	\$3.21	\$3.21	\$3.21
Load Variance (\$/MWh)	\$1.11	\$1.11	\$1.11	\$1.11	\$1.11	\$1.11
IP-02 Rates w/ IPTAC(A)						
HLH (\$/MWh)	\$23.56	\$23.48	\$28.09	\$35.30	\$49.76	\$37.13
LLH (\$/MWh)	\$17.48	\$15.30	\$17.45	\$25.66	\$30.15	\$31.36
Demand (\$/kW-mo)	\$2.02	\$1.99	\$2.49	\$3.21	\$3.21	\$3.21
IP-02 Rates w/ IPTAC(B)						
HLH (\$/MWh)	\$25.65	\$25.56	\$30.18	\$37.38	\$51.85	\$39.22
LLH (\$/MWh)	\$19.57	\$17.39	\$19.54	\$27.75	\$32.24	\$33.45
Demand (\$/kW-mo)	\$2.02	\$1.99	\$2.49	\$3.21	\$3.21	\$3.21

Look Forward

LB CRAC2 FY02

April 02 - September 02

Table 3: Average Net Augmentation Need and Net Short Position				
		<u>Apr-02</u>	<u>Jul-02</u>	<u>Apr-02</u>
		<u>to</u>	<u>to</u>	<u>to</u>
		<u>Jun-02</u>	<u>Sep-02</u>	<u>Sep-02</u>
1 - Net System Load	aMW	6,567	6,292	6,430
2 - Net Augmentation Need (w/losses)	aMW	1,262	1,056	1,159
3 - Net Short Position	aMW	90	0	45
	HLH	aMW	83	0
	LLH	aMW	96	0
				42
				48

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 4: Selected Total Cost and Revenue Calculations	
1 - Augmentation Pre-Purchase Costs	\$268,485,497
2 - Net Short Costs	\$4,436,748
3 - Load Reduction Costs	\$166,651,084
4 - Total Gross Augmentation Costs in LB CRAC	\$357,943,532
5 - Revenues from Resale of Augmentation Quantity	\$143,038,438
6 - Net Augmentation Costs (= 4-5)	\$214,905,093
7 - Total Revenues from Slice before LB CRAC	\$187,289,009
8 - Total Revenues from non-Slice products before LB CRAC	\$339,858,690
9 - Total CRAC'able revenue before LB CRAC (= 7+8)	\$527,147,700
LB CRAC% (= 6/9)	40.77%

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 rows (1+2+3), some costs in rows 1+2 are being excluded from recovery from LB CRAC.

Chase product 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

LB CRAC2 FY02

April 02 - September 02

Table 4- LF: Average Costs and Loads		units	Apr-June	July-Sept.	6 months
Slice Load		aMW	1,600	1,600	1,600
PF Base Load		aMW			
	HLH	aMW	4,016	3,821	3,918
	LLH	aMW	3,457	3,158	3,307
RL Base Load		aMW			
	HLH	aMW	1,001	1,001	1,001
	LLH	aMW	1,001	1,001	1,001
IP Base Load		aMW			
	HLH	aMW	1486	1486	1486
	LLH	aMW	1486	1486	1486
Augmentation Pre-Purchase Costs					
(note: this includes mkt. Pre-purchase cost	HLH	\$	16,107,545	25,620,603	20,864,074
+ fixed portion of power buybacks)	LLH	\$	12,309,695	20,269,392	16,289,543
Load Reduction Costs					
	HLH	\$	16,591,665	15,224,816	15,908,241
	LLH	\$	12,346,785	11,387,094	11,866,940
LDD Slice Costs		\$	361,635.00	282,611.55	322,123.28
LDD Non-Slice Costs		\$	706,391.53	1,209,262.79	957,827.16
C&R Slice Costs		\$	585,927	585,927	585,927
C&R Non-Slice Costs		\$	2,455,633	2,524,631	2,490,132

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

Table 5: Average Loads, Rate Mitigation, System Capability					
			April-June	July-Sept.	6 months
1 - System Load		aMW	8,705	8,423	8,564
2 - System Capability		aMW	5,328	5,255	5,291
3 - Load Reduction		aMW	2,138	2,131	2,134
	Public	aMW	224	224	224
	DSI	aMW	1,338	1,158	1,248
	IOU	aMW	651	651	651
4 - Augmentation Market Purchases					
	HLH	aMW	686	1,471	1,079
	LLH	aMW	703	1,561	1,132
5 - Augmentation Power Buybacks		aMW	515	506	510
	HLH	aMW	514	488	501
	LLH	aMW	520	527	524

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.

Look Back

October 01 - December 01

Table 6: 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	\$	\$44,077,031
2 - LB CRAC revenues earned from non-Slice products	\$	\$96,722,314
<i>Rows 3, 4 are the actual LB CRAC Revenue Requirement</i>		
3 - Revenues required from Slice to cover actual LB CRAC costs	\$	\$39,832,648
4 - Revenues required from non-Slice to cover actual LB CRAC costs	\$	\$86,776,972
<i>Bill Adjustment in Dollars (negative indicates refund to customers)</i>		
5 - Total Bill Adjustment for Slice - 120 Day Rule	\$	-\$4,244,383
6 - Bill Adjustment for non-Slice - 120 Day Rule	\$	-\$9,945,342
7 - Bill Adjustment non-Slice - 0 Day Rule	\$	-\$777,906
8 - Total Bill Adjustment for non-Slice - (Sum of 0 Day Rule + 120 Day Rule)	\$	-\$10,723,248
9 - Total Bill Adjustment Slice + non-Slice (row 6 + row 8)	\$	-\$14,967,631
<i>Rows 10, 11 are the adjustment factors used to determine individual customer bill adjustments</i>		
10 - Adjustment factor for each Slice customer bill		-0.010252778
11 - Adjustment factor for each non-Slice customer bill		-0.011890168

1 - Incremental Revenues from the LB CRAC increment to the May 2000 Slice rate for Oct. 01- March 02.

2 - Incremental Revenues from the LB CRAC increment to the May 2000 non-Slice rates for Oct. 01- March 02.

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 1 - row 1 Table 1.

6 - Row 4 table 1 - row 2 Table 1.

7 - Row 6 table 3 - row 6 Table 2.

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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October 01 - December 01

Table 7: Total Cost and Revenue Calculations - 120 Day Rule		
1 - Augmentation Pre-Purchase Costs	\$	\$152,193,858
2 - Net Short Costs	\$	\$0
3 - Load Reduction Costs	\$	\$98,887,183
4 - Total Gross Augmentation Costs in LB CRAC	\$	\$169,163,207
5 - Revenues from Resale of Augmentation Quantity	\$	\$42,553,588
6 - Actual Net Augmentation Costs in LB CRAC - 120 Day Rule (= 4-5)	\$	\$126,609,620
Rows 7, 8, 9 revenue calculations are the revenues BPA earned under LB CRAC'ed rates		\$0
7 - Total Revenues from Slice	\$	\$137,991,323
8 - Total Revenues from non-Slice products	\$	\$300,619,461
9 - Total Revenue with LB CRAC Applied (= 7+8)	\$	\$438,610,784

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 rows (1+2+3), some costs in rows 1+2 are being excluded from recovery from LB CRAC. Also, the Chase product 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 8: Total Cost and Revenue Calculations - 0 Day Rule		
1 - Augmentation Pre-Purchase Costs - 0 Day Rule	\$	\$160,266,198
2 - Net Short Costs - 0 Day Rule	\$	\$0
3 - Load Reduction Costs	\$	\$98,887,183
4 - Total Gross Augmentation Costs in LB CRAC - 0 Day Rule	\$	\$168,385,301
5 - Revenues from Resale of Augmentation Quantity	\$	\$42,553,588
6 - Actual Net Augmentation Costs in LB CRAC 0 Day Rule (= 4-5)	\$	\$125,831,714

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 rows (1+2+3), some costs in rows 1+2 are being excluded from recovery from LB CRAC. Also, the Chase product 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

Look Back

October 01 - December 01

Table 9: Average Net Augmentation Need and Net Short Position			
		<u>Oct</u>	
		<u>to</u>	
		<u>Dec</u>	
1 - Net System Load	aMW	6,117	
2 - System Capability	aMW	5,442	
3 - Net Augmentation Need (w/losses)	aMW	0	
4 - Net Short Position	aMW	0	
	HLH	aMW	0
	LLH	aMW	0

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.

Look Back

October 01 - December 01

Table 10: Quarterly Average Loads		units	Oct- Dec
Slice Load		aMW	1,600
PF Base Load	HLH	aMW	4,082
	LLH	aMW	3,629
RL Base Load	HLH	aMW	350
	LLH	aMW	350
IP Base Load	HLH	aMW	64
	LLH	aMW	63

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

Table 11: Quarterly LDD & C&R Dollars		units	Oct-Dec
LDD Slice Costs		\$	436,838
LDD Non-Slice Costs		\$	1,154,119
C&R Slice Costs		\$	583,841
C&R Non-Slice Costs		\$	2,315,097

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

Table 12: Average Pre-Purchase Quantities to Meet Augmentation Need			<u>Oct-Dec</u>
1 - Augmentation Market Purchases - 120 Day Rule			
	HLH	aMW	1,252
	LLH	aMW	1,303
1 - Augmentation Market Purchases - 0 Day Rule			
	HLH	aMW	1,252
	LLH	aMW	1,303
2 - Augmentation Power Buybacks - 120 Day Rule			
	HLH	aMW	167
	LLH	aMW	263
2 - Augmentation Power Buybacks - 0 Day Rule			
	HLH	aMW	264
	LLH	aMW	359

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.