

Price Validation Preliminary Report – Trade Date 08/21/2008

IFM-Generation Prices

	Low Price	High Price
LMP	-30.00	404.58
Energy	0.00	104.90
Ru	20.11	51.83
Rd	11.59	43.70
Sr	8.21	43.15
Nr	3.03	43.15

IFM-Pnode

	Low Price	High Price
LMP	-477.91	407.76

RUC

	Low Price	High Price
LMP	0	5049.93
Energy	0	114.25

Uplift:

One non-Must Run unit with potential uplift of \$29,416
 Two non-Must Run units with potential uplift greater than \$10,000

Hypothetical Revenue not awarded:

2 Units not committed with hypothetical revenues above \$10,000
 6 Units not committed with hypothetical revenues above \$5,000

Relaxed Transmission Constraints

None.

Energy Dispatch Requiring Further Review for Price/dispatch consistency

20 resources

AS Dispatch Inconsistencies Requiring Further Review for Price/award consistency

13 resources

Objective Cost/MIP:

Optimal Objective = 7929078.13 Low Objective Bound= 7880311.87 MIP_gap = 0.62 %

Pnode LMP recalculation Errors

One Pnode congestion LMP invalidation for 22 intervals: suspected validation code bug

Review Notes:

HUMBOLDT_BG reports the highest shadow price of \$308.81 in TI 21:00
 Highest Pnode LMP at ORICK_6_N001 with LMP = \$407.76 and congestion component = \$281.22
 CRAGVIEW_1_N101 reports the highest Pnode LMP for RUC at \$5049.93 with a congestion component = \$5000
 No overloads requiring relaxation

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IFM-Generation Prices

	Low Price	High Price
LMP	-30.00	403.69
Energy	0.00	91.80
Ru	14.42	53.60
Rd	11.59	56.12
Sr	4.42	41.30
Nr	4.42	41.30

IFM-Pnode

	Low Price	High Price
LMP	-136.05	403.69

RUC

	Low Price	High Price
LMP	-25.81	5123.1
Energy	0	184.08

Uplift:

Nine units that report potential uplifts greater than \$1,000 have a must-run status or are providing A/S

Hypothetical Revenue not awarded:

2 Units not committed with hypothetical revenues above \$5,000 and below \$10,000 -- these units are extremely long start units.

Relaxed Transmission Constraints

No overloads requiring relaxation

Energy Dispatch Requiring Further Review for Price/dispatch consistency

20 resources

AS Dispatch Inconsistencies Requiring Further Review for Price/award consistency

13 resources

Objective Cost/MIP:

Optimal Objective = 2969350.37 Low Objective Bound= 2938608.43 MIP_gap = 1.04 %

Pnode/Apnode LMP recalculation Errors

No errors

Review Notes:

No significantly high shadow prices reported

Highest Pnode LMP at NARROWS1_7_B1 with LMP = \$403.69 and congestion component = \$316.37

CRAGVIEW_1_N101 reports the highest Pnode LMP for RUC at \$5123.10 with a congestion component = \$5000.01