CAISO Weekly Market Update Call Action Items List

August 8, 2010 Conference Call

Issue No.	SC Name	SC Contact	Issue Description/Action Item	Date Opened	Status	Review and Action Item Comment
290	PGAE	Steven Kung	When reviewing the weekly price correction report today, can CAISO also address an issue I opened (IMS#34060). The description of the issue was as follows: When reviewing the corrected prices for the DLAP_PGAE-APND, it has been observed that every 5 minute interval price for 02/05/2010 has been changes. In the weekly correction pricing report, there is no mention of any correction that would impact every RTM 5 min interval price for the PGE DLAP for the entire day. Can CAISO please investigate and advise? I've attached a spreadsheet showing the differences for the first 8 hour of 02/05/2010.	2/18/2010	Pending	The disconnected pnode corrections would have resulted in these changes to every interval. Disconnected pnode corrections are run at T+5. The original intent for the disconnected PNode process was to find a substitute pricing location for CRRs that are being settled at the disconnected PNode location. Since CRR settlements are done on the Marginal Cost of Congestion component between two points retaining a zero creates an artificially high difference. Since CRRs are not awarded at individual load bus locations, but rather at the DLAP or SLAP in the allocation, the pricing of individual disconnected load bus locations was not specifically addressed due to how the DLAP and SLAP prices are calculated in the DAM and RTM. If a load bus is disconnected in the DAM or RTM that respective LDF is zeroed out and is not included in the calculation of the DLAP price. Since CRRs are settled on the DAM LMPs (MCC component) and a disconnected load bus PNode is assigned a zero LDF the assignment of any price will have no impact on the DLAP price. There is a situation where a load bus PNode is disconnected in the DAM and then comes back in-service partially through the day of the running of the RTM. As part of the initial implementation process if a PNode was disconnected in the DAM it was considered disconnected for the entire day of the RTM. In this case if the load bus PNode was disconnected for the first half of the day then the DLAP prices were not changed since the LDFs were zero but for the last half of the day the LDFs would be non-zero but the price of the electrically closest PNode would be substituted for the original load bus PNode. This created a small price difference equal to: (Original PNode LMP – Substituted PNode LMP) * LDF of Original PNode. We are currently getting ready to implement an enhancement to the process to isolate, by interval, real-time disconnected PNodes which will ensure that each interval only includes connected load bus PNodes and does not have any substituted load bus PNodes included in the DLAP calculation. 03/09 update: The CAISO has completed the testing of the RT disconnected process enhancement and is working on the process for implementation into production. 04/19 update: RT Disconnected Pnode corrections process enhancement was deployed to production effective on trade date 04/15/2010. 04/29 update: The Real Time disconnected pnode correction process has been deactivated effective trade date April 26, 2010 due to a calculation error that was
321	SCE	Wei Zhou	We've seen one of our units had different Energy Component of LMP price than the rest of the grid in recent IFM market. Please explain. For details, please refer to the IMS# 35535.	4/20/2010	Pending	Beginning trade date 04/09/10, the ISO implemented a code to recalculate prices for PODs that have a pnode price correction due to the disconnected pnode correction process. The ISO discovered an issue with the code and put in a fix beginning trade date 04/15/10. Trade date 04/09/10 to 04/14/10 are past the T+5 price correction period at the time the issue was discovered and the ISO decided to not correct the prices because the resource level LMPs are correct and these are what are used in settlement. Hence, some POD prices in OASIS may still have different SMEC prices than the rest of the system for trade dates 04/09/10 to 04/14/10. The code to recalculate POD prices was deactivated on 04/26/10. 06/08 update: The DA POD price correction has been restarted beginning trade date 05/30/2010. The code for this correction is for updating DA POD prices that have pnode price corrections due to the DA disconnected pnode correction process. This process also propagates the DA POD prices to their respective resource specific LMP. 06/15 update: The results of the financial impact analysis will be included in the technical bulletin. 07/08 update: The technical bulletin is now on internal review stage.
320	PGAE	Nathanael Miksis	We have noticed that an issue that was raised and seemed to have been resolved has resurfaced in OASIS data for "System Load and Resource Schedules" in RTM. April 4th, HE17 interval 3 through HE18 interval 1 have MW values apparently double what would be expected (comparing with intervals before and after). Additionally, data are missing for four intervals before this period (HE16 interval 11 through HE17 interval 2). A similar thing is shown on April 13th: HE3 interval 4 and 6 are missing, while values for intervals 5 and 7 through interval 1 of HE4 are doubled. Looking backward, this seems to have happened pretty frequently. The attached spreadsheet shows all intervals that appear in an ad hoc filter I constructed to find these events, after April 30th, 2009. Note that the data raised in market issue 301 (February 23rd) have been corrected. The spreadsheet includes these intervals too for informational purposes. Can you look into the cause of this?	4/19/2010	Pending	A defect has been opened for this issue. 04/27 update: The defect is now in review stage. 05/18 update: The defect is still in review stage. 05/25 update: Status is now "In progress"
328	PGAE	Anders Hur	There have been no published Transmission Interface Usage values for COTP_MSL since 4/28. Is this intentional? 05/13: Can you provide more clarification on the difference between COTP_MSL and COTPISO_MSL?	5/6/2010	Pending	Yes, this was intentional. OASIS users should reference the COTPISO_MSL values. 05/13 update: The COTPISO_MSL is the CAISO capacity that it can schedule on COTP. The COTP_MSL was created for the CAISO to monitor the flows on the COTP. 05/18 update: The ISO has initiated an effort to provide clear TNAME/ITC/BG/MSL information to the Market Participants. This will be corrected with issue #331 resolution.
331	Powerex	Lisa Hopkins	The CAISO Tariff requires that SC's not submit bids if a tie is rated at 0 OTC in the both the import and export direction. Could CAISO please provide a mapping of Tname to MSL/BG naming convention used on the Tranmission Interface Useage report on OASIS? The mapping which exists in the Pnode Mapping document http://www.caiso.com/1f94/1f94cd5447620.html appears to map to secondary impacts. For example the following TNAMES are all mapped to ADLANTOSP_MSL GONIPP IPP MARKETPLACE MCCULLOUG500 MDWP MEAD5MSCHD WESTWING500 However, the CAISO does publish Transmission Interface Usage and Market ATC for Interfaces such as MCCULLGH_MSL, MEAD_BG, WSTWGMEAD_MSL. We would like to know which MSL's and BG's with a Rating of 0 would mean which TNAME cannot accept bids.	5/13/2010	Pending	The ISO has initiated an effort to provide clear TNAME/ITC/BG/MSL information to the Market Participants. 06/18 update: The ISO has sent out a paper summarizing the MSL transparency issue and proposed future action to resolve this topic.

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330	PGAE	Anders Hur	It appears that the OASIS data for "Total System Marginal Loss Costs($)" is not marginal, but rather the cost of actual losses since it matches exactly the product of the "Total System Losses (MWh)" times the SMEC for all hours except HE21 and HE23. Is this the desired result? Also, why are HE21 and HE23 calculated differently?	5/11/2010	Pending	Your assumption on how the Loss Costs are calculated is correct. The posted value is the desired result. Please refer to Attachment I - Direct Testimony of Farrokh Rahimi (Exhibit No. ISO-4) [http://www.caiso.com/1798/1798f6c4709e0.pdf, see page 31] available at http://www.caiso.com/1798/1798ea1b23080.html 05/16 update: The calculations for HE 21 and 23 have been corrected to be consistent with the other hours. Also, the CAISO has initiated an enhancement request to change the calculation of the Marginal Cost of Losses as the difference between sum of sinks x the Marginal Cost of Loss component of LMP and the sum of sources x Marginal Cost Loss component of LMP as follows. Marginal Cost of Losses = (Sum ('ITIE' X COSTLMP MCL, 'GEN' X COSTLMP MCL) – Sum ('ETIE' X COSTLMP MCL, 'LOAD' X COSTLMP MCL)) The OASIS Functionality List will be updated to reflect the details and status of this enhancement. 05/25 update: Status is now "In progress." Due for release in the August OASIS monthly deployment. Will be added to the Functionality List with the next update.
333	PGAE	Anders Hur	The Marginal Loss Revenue and Actual Losses data is missing for the extra Day Light Savings 25th hour on 11/1/09. The ISO may also want to look into other DLST data to ensure data exists and is valid.	5/18/2010	Pending	This will be corrected with issue # 330 resolution.
348	BP	Erik Trautman	What is the status of compensating injection feature within the Real Time Market	7/6/2010	To be closed	The CAISO will provide a 10 day notice prior to the implementation of compensating injection. A technical bulletin will also be provided to market participants 07/16 update: The California ISO plans to activate the Compensating Injection software feature in its real-time market application the week of July 26, 2010. The technical bulletin for compensating injections has also been posted at http://www.caiso.com/27d4/27d4e73124db0.pdf. Please see the market notice at http://www.caiso.com/27d5/27d58fc761740.html.
351	Constellation Energy Commodities Group	Tom Paska	From the 11th on we have seen a significant and consistent increase in BCR Tier 1 costs. Could you please let us know what is going on with the CAISO to reflect such a large cost amount? Obviously, this is a concern given, that unlike LMPs, we are not able to hedge BCR. When broken down by hour, charges that we typically see for $1.18 jumped to over $8.00.	7/8/2010	Pending	The high BCR allocation was attributed to incorrect BCR payment due to error in the market data. The CAISO has identified the root cause of the issue and will be making corrections for all the affected resources in accordance with the settlement statement publication schedule. 07/22 update: A technical bulletin will be posted in a couple of weeks
355	Powerex	Lisa Hopkins	I am curious as to the Path 26 congestion/non-congestion that occurred on the DAM results for July 17 during the peak load period HE 12 to HE16. On the Transmission Interface Usage and Market Available Transmission Capacity info on the CAISO OASIS, there is 600-800MW of room available on Path 26 during that time and the rating is shown as 4000MW. On the Intertie Constraint Shadow Prices info, there is no congestion shown for Path 26. However, in the Nomogram/Branch Shadow Prices, there is congestion shown on one of the lines that constitute Path 26: Midway-Vincent 500 Branch 3_2. This congestion is consistent with the divergence in price between the NP and SP trading hubs in those hours. It appears that one of the lines of Path 26 has congested at a lower rating than that of the path rating. Are there uneven loading or operational restrictions that is causing the facilities of Path 26 to congest while there is still ~15% or more of the path capacity available? Does the CAISO forecast this congestion below path rating to be typical of system conditions during high load periods in the	7/16/2010	Open	Under review.
356	SCE	Wei Zhou	Can you please explain the price spikes in RTM for 7/15/10? Why the energy component is $750 for most intervals in HE15? If the $750 price comes from bids, why MPM has not been applied? 07/22/ update: [Wei Zhou, SCE] For RTD 07/15/10 HE 15, Interval 3, why are the prices in the SCE and SDGE area close to $1200 when Path 26 is not shown as congested in OASIS?	7/19/2010	Pending	07/26 update: Path 26 is congested in 07/15/10 HE 15, interval 3 with a shadow price of $1,127.68. The CAISO is reviewing if there was an issue with the OASIS payload. 07/31 update: The price spikes in RTM for HE 15 were attributed to shortage of generation. The $750 energy price is influenced by pricing run slack variable relaxation with a penalty price of $750. There is undergeneration for all of the intervals. The $750 energy price was set by the power balance constraint penalty price that is set at $750 for undergeneration up to 350MW. The RTPD runs leading up to this period did observe the high level of prices and shortfall, with high Ru and Sr prices attributed to the high cost of energy in the RTPD runs. The load forecasts for RTPD and RTD were close. Prices in the SCE and SDG&E are elevated further due to valid congestion on Path 26 and the Mirage-Concho line. A number of units were committed in the RTPD runs.
357	J. P. Morgan	Rob Raymond	For 07/15/2010 Hours Ending 14 and 15, Path 26 has 400MW ATC after HASP, yet there is significant congestion on the branch group. What is the reason for the congestion?	7/22/2010	Open	Between hours ending 13-15 Path 26 was overloaded several times. These occurance were mitigated through adjusting generation and biasing Path 26, resulting with congestion on the line.

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358	PGAE	Anders Hur	Prices for intervals 1-11, HE 10-12, were not initially published for the RTM on 7/21. What caused these prices to be unpublished initially? I noticed that the prices have since been corrected in OASIS. 07/27 update: [Lisa Hopkins, Powerex] I just heard on the SIUG conference call of July 27th, that an SC reported issues with prices on OASIS being different through the API versus prices available through the GUI. This allegedly occurred on at least July 8th, July 20th and July 21st and CAISO confirmed that a server fix was installed on July 22nd to address the problem. Can you please provide the market issues forum with a summary of what the problem was, what prices/other data was affected/corrected, when it was corrected and what exact data we need to requery from OASIS to ensure we have correct data? We would also like to request that whenever data discrepancy issues like this occur on OASIS, that CAISO immediately send a Market Notice to advise participants and also discuss the issue in the Price Corrections report.	7/26/2010	Open	An issue occurred on the Open Access Same-time Information System (OASIS) when the system received a huge volume of requests to the Congestion Revenue Rights Inventory. The issue resulted with some participants with discrepancies between the GUI report and API data results. For additional details, please refer to the market notice regarding this issue at: http://www.caiso.com/27e2/27e290a91d630.html
359	PGAE	Nathanael Miksis	Could you please provide an explanation for how the AS cost to load values are calculated, as published in the Monthly Market Performance Report? The latest report for June (http://www.caiso.com/27df/27dfe47324240.pdf), on page 20, says that the average price to load for AS was $0.49/MWh in May and $0.67/MWh in June. What data are used to get these numbers?	7/29/2010	To be closed	The average price to load for each type of AS is calculated as: average of (total hourly cost of procurement of that type of AS/total hourly ISO load). The data is from Settlements. Please note it is the initial data, so it is subject to change.