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June 15, 2007

VIA ELECTRONIC FILING

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Entergy Services, Inc.; Docket No. ER05-1065-000
        Report of OASIS Software Error

Dear Secretary Bose:

Pursuant to the Federal Energy Regulatory Commission's ("Commission") April 24, 2006 Order in *Entergy Services, Inc.*, 115 FERC ¶ 61,095 (2006) ("April 24 Order"), Entergy Services, Inc., acting as agent for the Entergy Operating Companies,[1] hereby notifies the Commission it has recently became aware of certain OASIS and OASIS Automation ("OA") software errors that have produced inaccurate data.

In the April 24 Order, the Commission conditionally accepted Entergy's proposal to establish an Independent Coordinator of Transmission ("ICT") for the Entergy System. As the Commission is aware, the Southwest Power Pool, Inc. acts as Entergy's ICT. In the April 24 Order, the Commission imposed an obligation for Entergy to "notify the Commission, the ICT and the Users Group within 15 days if Entergy discovers that it has lost data, or reported inaccurate data, or otherwise believes that it has mismanaged data." *See* April 24 Order at P 110. Accordingly, Entergy submits the following explanation of its OASIS and OA software errors:

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[1]   The Entergy Operating Companies include: Entergy Arkansas, Inc., Entergy Gulf States, Inc., Entergy Louisiana, LLC, Entergy Mississippi, Inc., and Entergy New Orleans, Inc. The Entergy Operating Companies and Entergy Services, Inc. are referred to collectively herein as "Entergy."

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OASIS Error

On May 31, 2007, the ICT reported to Entergy that reservations were not auto-retracting after confirmation time limits expired. The expected OASIS functionality is that the reservations should automatically retract once the confirmation time limit had passed. Without this functionality, expired reservations could continue to take up available flowgate capacity (AFC) that should have been made available for other transmission reservations. The ICT determined that the auto-retract feature of OASIS began to malfunction on or about May 13, 2007.

Cause of Error

AREVA, Entergy's OASIS software vendor, suspects that the OASIS TransTimer program may not have been registered correctly as a Windows service on the new OASIS servers that were installed in production on May 12, 2007.

Corrective Action

Entergy contacted AREVA on May 31, 2007. AREVA re-registered the OASIS TransTimer service on June 4, 2007, which corrected the problem. This correction was verified by the ICT on June 5, 2007.

OA Error #1

The ICT reported to Entergy on June 1, 2007 that after an OA resynchronization, the impacts of a redirected request are not recalculated by OA, whether in study, accepted, counter offered, or confirmed (if confirmed prior to a RFCalc resynchronization). Therefore, the impacts of a redirected request will not be accounted for until confirmed and then included in an RFCalc resynchronization. This error, if not caught, allows for an overcalculation of AFC. The expected OA functionality is for the impacts of a redirected request to be automatically recalculated.

If the number of redirected requests within a given timeframe is manageable and the redirected request is still in study mode, the operator can manually resynchronize the requests while they are in the Planning Horizon, and this error can be managed. The ICT believes that it should be able to manage this problem when the reservation is in study mode because OA will not show an available profile for the redirected request. The redirect request is thus flagged for the operator who can manually work around the problem by manually reviewing the request.

However, once the redirect has been accepted, counteroffered, or confirmed between resynchronizations of OA and RFCalc, the ICT operator no longer reviews the reservation, and the error cannot be corrected through manual processes.   Depending on the timing requirements of the reservations, some accepted and counteroffered redirects can remain undecremented in the

AFC process for up to 4 days. The only manual work around that the ICT is able to perform is to monitor the contract path limits, particularly the AMRN interface. The ICT does not have the ability to monitor all the thermal flowgates for this problem. The software error caused inaccurate AFC calculations because of the volume redirected reservations observed on Entergy's system. For instance, there were over 400 redirect requests submitted from June 1, 2007 to June 14, 2007 on Entergy's OASIS. While this error did not operate to deny any transmission service request ("TSR"), it inflated the available AFC and caused the ICT to improperly grant transmission service.

Cause of Error

A similar problem was identified previously. , At that time, the problem appeared to arise only when requests were in "Study" mode, and thus, the ICT was able to effectively manage this problem manually without affecting AFC values used to grant transmission service. Since the software modifications implemented on May 30, 2007, the problem seems to have expanded. Entergy has reported the current issue to AREVA.

Corrective Action

AREVA is currently working on assigning resources to address this problem. AREVA expects to have this problem fixed in five to ten days.

OA Error #2

The ICT reported on June 1, 2007 that it had discovered an error with the OA software logic used to undesignate a network resource. The "recall" functionality of OA reflects these undesignations. The specific error identified by the ICT relates to double counting of reservations between RFCalc resynchronizations. For instance, when a recall was issued for a portion of a network transmission reservation, the amount of the reservation and period of the reservation not being recalled was being accounted for twice by OA between RFCalc resynchronizations.

For a specific example of this error, Entergy provides the following: recall reservation 1481499 was entered to recall 100MW of yearly network reservation 1389008 (which was originally confirmed for 270MW). At the time the recall was entered, 1389008 was included in the flow of the PMAX FG for DYNOUACHITA. After the recall was accepted and confirmed, an additional 100MW of flow was added on the DYNOUACHITA for the period of the recall (showing 370 MW for the combined reservations), and an additional 270MW was added for the remaining period of the original request (showing 540 MW for the combined reservations). Thus, the DYNOUACHITA flowgate showed an incorrect AFC value.

The double counting remains until the next RFCalc resynchronization is performed to remove the original request impact from the flows in OA. The current manual workaround is for Entergy

to manually resynchronize the RFCalc, which results in OASIS properly accounting for reservations. However, RFCalc resynchronizations of the Planning Horizon take approximately 30 minutes, and then an additional 10 minutes for an OA resynchronization. Also, it is not always possible, especially after normal business hours, for Entergy to quickly perform an RFCalc resynchronization after being contacted by the ICT. Thus, while a manual work around can mitigate the problem, such manual intervention can be time consuming and cannot always be completed in time to evaluate new transmission service accurately. Recalls typically happen on the system at a frequency of once per day.

Cause of Error

At this time the cause of this error is unknown, AREVA believes that this is related to an older OA problem.

Corrective Action

Entergy reported this problem to AREVA and it is working on assigning resources to address this issue. Initially no resources were available to work on this issue because they were addressing other OA software errors. AREVA currently estimates that it will be able to address the issue in four to eight days.

OA Error #3

While the ICT was running a scenario involving the handling of competing requests, it was discovered that the OA bumping analyzer was not working properly. The OA bumping analyzer indicated that a transaction should be bumped in order to grant a competing TSR; however, once that transaction was bumped, the bumping analyzer then incorrectly indicated that other non-conditional transactions must also be bumped in order to grant the competing TSR. Additional errors with the bumping software have been identified, including issues regarding the bumping of monthly reservations. The software is not identifying instances in which a multi-month reservation should bump a previously granted monthly reservation of shorter duration.

Cause of Error

While at this time the cause of this error is unknown, AREVA is working on this error.

Corrective Action

AREVA is currently analyzing the protocols surrounding bumping in order to document the algorithm, logic and functionality for Entergy. AREVA will then add more logging to the system of the conditions and recommendations of the Competing Requests Analysis. Then AREVA and Entergy will submit test cases to the new functionality, fix any issues associated with the test cases, and implement the software fix. AREVA currently estimates that this process

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will take 14 days, in part due to resources devoted to the other OA errors.

In the event that further information is needed, please do not hesitate to contact the undersigned.

Respectfully submitted,

/s/ Kevin C. Frank

Kevin C. Frank

Attorney for
  Entergy Services, Inc.

cc: Southwest Power Pool, Inc.
    ICT Users Group
    Service List; Docket No. ER05-1065-000

CERTIFICATE OF SERVICE

I hereby certify that I have this 15th day of June, 2007, served the foregoing document upon the Southwest Power Pool, Inc., the ICT Users Group, and each person designated on the official service list compiled by the Secretary in this proceeding.

/s/ Kevin C. Frank
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