

September 30, 2011

The Honorable 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
The ICT's Quarterly Performance Report

Dear Secretary Bose:

The Southwest Power Pool, Inc. ("SPP"), as the Independent Coordinator of Transmission ("ICT") for the Entergy Services, Inc. ("Entergy") system, hereby submits the ICT's Third Quarterly Performance Report for 2011, in accordance with the Federal Energy Regulatory Commission's orders approving the establishment of the ICT and section 7 of Attachment S in Entergy's Open Access Transmission Tariff ("OATT").¹

The ICT will serve a copy of this report to all Interested Government Agencies and will make the report publicly available by posting it electronically on SPP's website and Entergy's OASIS.

If there are any questions related to this matter, please contact the undersigned at the number listed above.

Respectfully submitted,

/s/ David S. Shaffer
David S. Shaffer

Counsel for the ICT

Attachments

¹ See Entergy Services, Inc., 115 FERC ¶ 61,095, order on reh'g, 116 FERC ¶ 61,275, order on compliance, 117 FERC ¶ 61,055 (2006), order on reh'g, 119 FERC ¶ 61,187 (2007).



**Independent Coordinator of
Transmission (ICT) for Entergy -
Quarterly Performance Report**

June 1, 2011 – August 31, 2011

Table of Contents

1.	OVERVIEW	2
2.	RELIABILITY COORDINATION (RC).....	7
3.	TARIFF ADMINISTRATION (TA)	15
4.	PLANNING AND TARIFF STUDIES.....	27
5.	WEEKLY PROCUREMENT PROCESS (WPP).....	39
6.	ENTERGY REGIONAL STATE COMMITTEE (E-RSC).....	43
7.	STAKEHOLDER PROCESS	45
8.	STAKEHOLDER COMMUNICATION.....	48
9.	USERS GROUP AND DATA/SOFTWARE MANAGEMENT	50

1. Overview

1.1 Entergy

Entergy Services, Inc. (Entergy or ESI) is a service company providing services for the Entergy Operating Companies, which are a part of a multi-state public utility holding company system. The Entergy Operating Companies include Entergy Arkansas, Inc., Entergy Gulf States Louisiana, LLC, Entergy Louisiana, LLC, Entergy Mississippi, Inc., Entergy New Orleans, Inc., and Entergy Texas, Inc. Entergy provides electricity to 2.7 million utility customers in Arkansas, Louisiana, Mississippi, and Texas. The Entergy Operating Companies have 15,500 miles of 69 kV – 500 kV transmission lines and move about 23,000 megawatts (MW) of power across the interconnected lines in a 112,000 square-mile area. Entergy also operates more than 40 generating plants using natural gas, nuclear, coal, oil, and hydroelectric power with approximately 30,000 MW of electric generating capacity.

1.2 Independent Coordinator of Transmission (ICT)

On May 27, 2005, Entergy submitted to the Federal Energy Regulatory Commission (hereinafter, FERC or Commission), on behalf of the Entergy Operating Companies, a proposed revision of its Open Access Transmission Tariff (OATT or Tariff) reflecting its proposal to establish an ICT for its energy system and a WPP. In its filing, Entergy identified Southwest Power Pool, Inc. (SPP) as the candidate it had chosen to perform the function of the ICT. On April 24, 2006, in Docket No. ER05-1065-000 (hereinafter, ICT Approval Order), the Commission found that SPP, operating as a Regional Transmission Organization (RTO), was sufficiently independent to serve in the capacity of the ICT for Entergy for an initial four-year term.¹ Consequently, the Commission approved the tariff changes filed by Entergy and SPP initiated its duties, as set forth in Attachment A of the ICT Agreement and further defined in Attachment S of Entergy's OATT on November 17, 2006, with select reliability functions starting on November 1, 2006.

On November 16, 2010, in Docket No. ER10-2748-000, the Commission accepted a revised and restated ICT Agreement that extended the ICT arrangement for an additional two year term (i.e., September 1, 2012).

¹ The ICT operates as a functional division of SPP. Accordingly, unless otherwise noted, references to "ICT" and "SPP" are used interchangeably in this report.

1.3 ICT Duties Pursuant to Attachment A of the ICT Agreement

- 1.3.1 Act as Reliability Coordinator for Entergy's transmission system.
- 1.3.2 Calculate Available Flowgate Capability (AFC) and grant and deny requests for transmission service under Entergy's OATT.
- 1.3.3 Grant and deny requests for interconnection service under Entergy's Large Generator Interconnection Procedures (LGIP) and Large Generator Interconnection Agreement (LGIA).
- 1.3.4 Operate Entergy's Open Access Same-Time Information System (OASIS).
- 1.3.5 Perform a regional planning function.
- 1.3.6 Implement Entergy's transmission expansion pricing proposal, including preparation of the Base Plan.
- 1.3.7 Oversee the planning and operation of Entergy's transmission system, as well as Entergy's WPP.
- 1.3.8 File such reports as may be required by the ICT Agreement, Attachment S of Entergy's OATT, or as otherwise required by the FERC or Entergy's Retail Regulators.
- 1.3.9 Conduct stakeholder meetings.

1.4 Reporting

In accordance with section 7 of Attachment S of Entergy's OATT, SPP provides quarterly reports to all Interested Government Agencies pertaining to the ICT's performance. Also, in the ICT Approval Order the FERC required that SPP prepare a yearly report to measure the success of the ICT and the WPP in meeting Entergy's claimed objectives and to ensure that market participant concerns are being adequately addressed.

This quarterly report addresses current ICT duties and briefly discusses WPP operations. In addition, this report contains operational results from the current reporting period and includes a presentation of certain historical data to permit a comparative analysis of ICT performance in areas such as reliability and tariff administration.

1.4.1 No persons, party, or agent including Entergy, Market Participants, Interested Government Agencies, or any other administrative oversight group has been given authority to screen the findings, conclusions, and recommendations contained in this report. Entergy, and any Market Participant so choosing, shall have forty-five (45) days to respond to this report.

1.4.2 This report shall be forwarded to each of the Interested Government Agencies and will be made publicly available, subject to redaction or other means necessary to protect the confidentiality of certain report aspects.

1.5 Arkansas Public Service Commission (APSC) Public Hearing

As previously reported, the APSC initiated a general proceeding in Docket No. 10-011-U to examine transmission issues affecting electricity service within Arkansas and to consider succession options following Entergy Arkansas, Inc.'s (EAI) withdrawal from the Entergy System Agreement (ESA) effective December 31, 2013. The APSC specifically directed SPP to report on two matters that directly implicate the operation of the ICT: (i) Entergy's and/or EAI's possible membership in a RTO; and (ii) completion of a seams agreement between Entergy and SPP.

1.5.1 Entergy and EAI RTO Membership

The APSC continued its deliberations with respect to possible succession options available to EAI, including joining SPP RTO, joining the Midwest Independent Transmission System Operator, Inc. (Midwest ISO), or operating as a stand-alone entity. As previously reported, Entergy filed a report and related testimony providing the results of its evaluation of these succession alternatives. In those filings, Entergy indicated its intention, subject to receipt of all required regulatory approvals, to have EAI and the other Entergy Operating Companies join the Midwest ISO as full participating members. Under this proposal, each Operating Company, including EAI, will submit requests with their retail regulators to transfer operational control of their transmission assets to the Midwest ISO no later than December 1, 2013. If all the Operating Companies are unable to join at that time, EAI will consider joining the Midwest ISO first or EAI will create its own separate balancing authority until all the Operating Companies are ready to make the move to the Midwest ISO. EAI has also asked the APSC to defer the costs associated with this transition to the Midwest ISO for recovery in a future base rate proceeding.

SPP submitted initial and supplemental testimony documenting the many broad advantages of EAI/Entergy membership in SPP RTO. In these filings, SPP also identified potential operational, economic, and planning issues that would need to be addressed under the Entergy – Midwest ISO alternative.

On July 12, 2011, Staff and Intervenors filed Supplemental Initial Testimony. Carl Monroe and Craig Roach (Boston Pacific Company) filed testimony on behalf of SPP. On August 4, 2011, Kurt Castleberry, John Hurstell, Jay Lewis, Hugh McDonald, Richard Riley, and Michael Schnitzer filed Rebuttal Testimony on behalf of EAI. On August 18, 2011, Staff and Intervenors filed Surrebuttal Testimony. Carl Monroe and Craig Roach filed testimony on behalf of SPP. On August 25, 2011, Kurtis Castleberry, John Hurstell, Jay Lewis, Hugh McDonald, Richard Riley, and Michael Schnitzer filed Sur-surrebuttal Testimony on behalf of EAI.

The APSC is scheduled to hold an evidentiary hearing on September 7-9, 2011, to address these, and related, matters associated with EAI's scheduled exit from the ESA in 2013. Parties may file Post-Hearing briefs on September 19, 2011. The APSC is expected to issue its final order in October 2011.

1.5.2 SPP/Entergy Seams Agreement

As previously reported, the Commission conditionally accepted a Comprehensive Seams Agreement between Entergy and SPP to be effective March 31, 2010, subject to further compliance filing. The Seams Agreement incorporates protocols on: (i) coordination of enhanced regional planning activities, study coordination activities, and flowgate financial rights; (ii) coordination of AFC/Total Flowgate Capability (TFC) values; (iii) allocation of costs of upgrades; and (iv) data exchange, confidential information, and critical energy infrastructure information (CEII) that will allow SPP and Entergy to share information, coordinate their processes, and operate more efficiently. Subsequently, SPP made the necessary compliance filing and East Texas Cooperatives requested rehearing of the Commission's order approving the Seams Agreement.

On March 31, 2011, the Commission issued an order accepting SPP's compliance filing and granting in part and denying in part the East Texas Cooperatives' rehearing. In doing so, the Commission directed SPP to make a further compliance filing to: (i) amend the AFC/TFC protocol to incorporate the processes for data incorporation and exchanging unit commitment and orders of dispatch data; (ii) clarify whether "directly interconnected generators" includes generators in balancing authorities embedded in the Entergy or SPP transmission system; and (iii) clarify the timing and frequency of the data exchange to update the models for transmission configuration changes and generation additions.

On May 2, 2011, SPP made the required compliance filing. On July 26, 2011, the Commission accepted SPP's compliance filing. During this quarter, Entergy and SPP implemented

Attachments A and B of the seams agreement, which defines the Coordination Protocol and AFC/TFC protocol, respectively. Entergy and SPP are still in the process of implementing Attachments C and D of the agreement, which defines the Cost Allocation protocol and Data Exchange protocol, respectively.

2. Reliability Coordination (RC)

2.1 Overview

In the ICT Approval Order, paragraph 94, the Commission stated that SPP shall act as the Reliability Coordinator for Entergy's transmission system. On November 1, 2006, Entergy formally transitioned the Reliability Coordinator function to SPP. As the Reliability Coordinator for Entergy, SPP has authority over all matters within the scope of its duties as a North American Electric Reliability Council (NERC) Reliability Coordinator. SPP independently discharges these duties utilizing information from Entergy, Market Participants, and other balancing authorities in analyzing Entergy's system and taking any necessary actions under its authority as the Reliability Coordinator. SPP complies with the standards set forth by NERC and with all Southeastern Electric Reliability Council (SERC) Reporting Standards and deadlines. SPP participates in the SERC Daily Coordination Telecom, in which the Tennessee Valley Authority (TVA) Reliability Coordinator System Operator initiates and leads the call. In the ICT Approval Order, paragraph 149, the Commission also stated that Entergy retains its obligations as the Control Area Operator and Transmission Provider.

2.2 Monthly SERC Filing Requirements

SPP submitted monthly SERC RC filings for the period of June 1, 2011 to August 31, 2011. The monthly filings certify that SPP is compliant with the following standards:

- 2.2.1** TOP-007 Reporting System Operating Limits (SOL) and Interconnected Reliability Operating Limits (IROL) Violations: SPP monitors for IROL and SOL violations and will implement a contingency plan when those events occur, which includes developing an action plan to return the system within limits.

Note: No SOL or IROL violations occurred within the reporting period of June 1, 2011 to August 31, 2011.

- 2.2.2** PER-003 Operator Credentials: All SPP RC personnel are NERC Certified and have undergone the proper training to maintain such certification.
- 2.2.3** PER-004 Operator Credentials: RC Operators are present at the RC desk twenty-four (24) hours per day, seven (7) days per week.
- 2.2.4** IRO-004 Reliability Coordination - Operations Planning: SPP conducts next day reliability analysis for the Entergy footprint to ensure ongoing reliability in the transmission system under normal and contingency situations. In addition, SPP considers adjacent Reliability Coordinator areas in its analysis to prevent unacceptable burdens being placed on the adjacent system.
- 2.2.5** FAC-014 Establish and Communicate System Operating Limits: On June 1, 2011 SPP self-certified that the ICT RC met the requirements of FAC-014-2 and complied with the guidelines for establishing and communicating system operating limits.

2.3 Other SERC Filing Requirements

During this quarter, SPP did not submit any other SERC self-certifications.

2.4 Transmission Loading Relief (TLR) Events

Section 5 of Attachment S to Entergy's OATT in conjunction with the Reliability Coordinator Protocol provides that SPP shall have exclusive authority to execute TLR procedures under NERC Standards IRO-006-3 and PER-004-1. Therefore, as ICT Reliability Coordinator, SPP has exercised the authority to execute TLR events as it deems necessary. To mitigate the number of TLRs on Entergy's

system, SPP will re-dispatch generators, reconfigure and modify transmission maintenance and outage schedules, as well as adjust transmission schedules and reduce load to mitigate critical conditions.

TLRs are used to curtail transmission service and help prevent instability, uncontrolled separation, or cascading outages. NERC prescribes eight levels of TLRs: the higher the TLR level, the more critical the potential problem. Actions taken by SPP on TLR levels one through four include curtailment or holding of Non-Firm transmission service. Reallocation, curtailment, or holding of Firm transmission service occurs when TLRs reach levels five or above. This report identifies TLR procedures invoked by SPP during the reporting period in connection with TLR Level 3, 4, and 5 events – i.e., the levels which allow for the curtailment of transmission service.

2.4.1 Review of TLRs

The ICT Reliability Coordinator initiated seventy-five (75) TLR Level 3, 4, and 5 events with a total curtailment (Firm and Non-Firm) of 270,819 MWh's from June 1, 2011 to August 31, 2011. For comparison purposes, during the same period in the previous year there were a total of one hundred eighty-six (188) TLR Level 3, 4, and 5 events initiated with a total of 408,694 MWh's curtailed.² Figures 1 and 2 illustrate these TLR events broken down by monthly totals for the current and previous year time period.

² When compiling the TLR statistics for this reporting period, SPP found that some of the TLR statistics contained in the ICT's Quarterly Report for the same period in 2010 were incorrect. SPP has corrected the relevant statistics for purposes of the historical comparison here and verified their accuracy with the E-RSC Metrics that were reported at the E-RSC meeting on October 20, 2010. SPP was not able to determine the cause for the incorrect reporting.

Figure 1

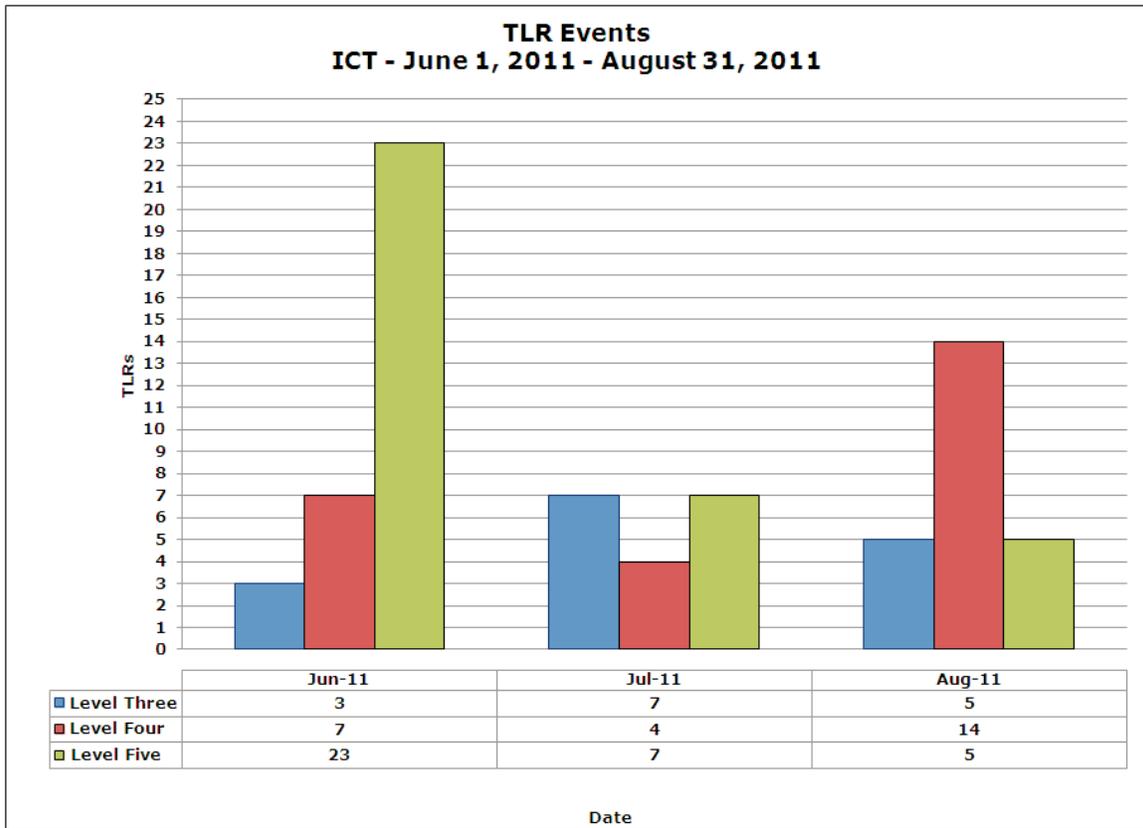
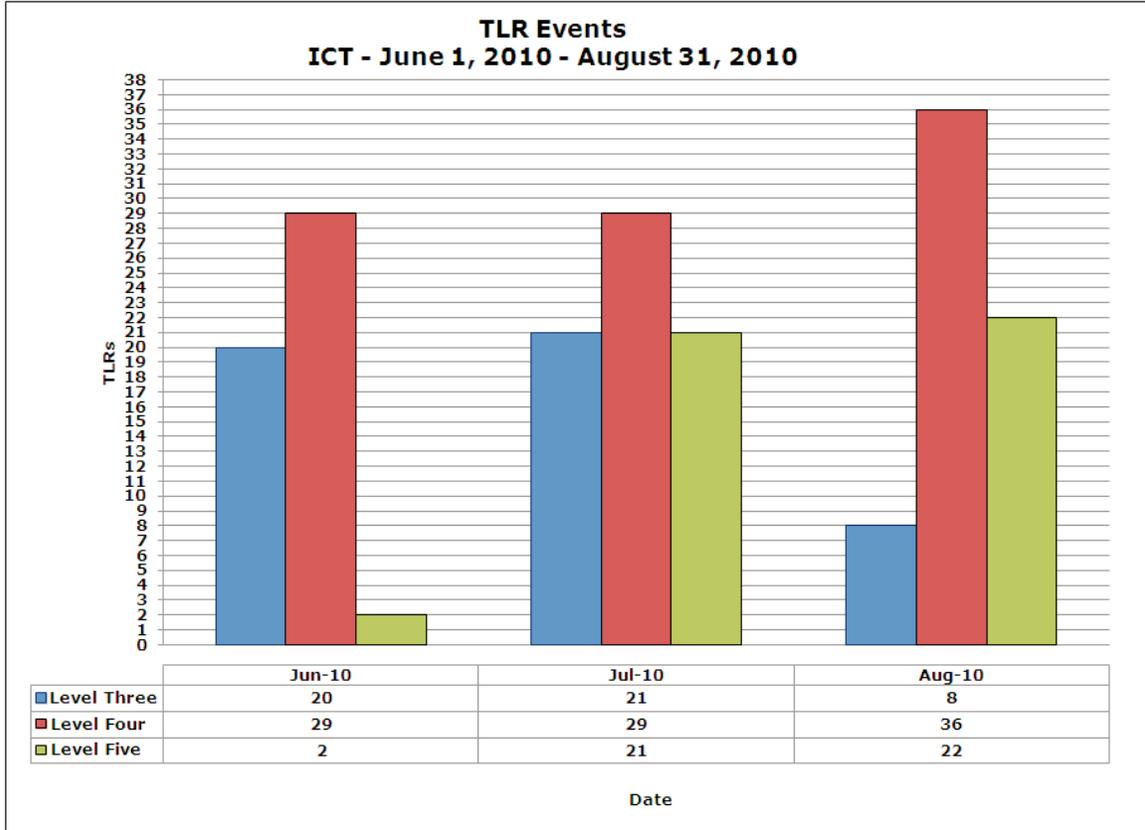


Figure 2



A total of 141,991 MWh's of Non-Firm service and 128,828 MWh's of Firm service were curtailed by the ICT from June 1, 2011 to August 31, 2011. A total of 317,506 MWh's of Non-Firm service and 91,188 MWh's of Firm service were curtailed by the ICT during the same timeframe in the prior year. Figures 3 and 4 illustrate the MWh's curtailed by the ICT broken down by monthly totals and Firm and Non-Firm service.

Figure 3

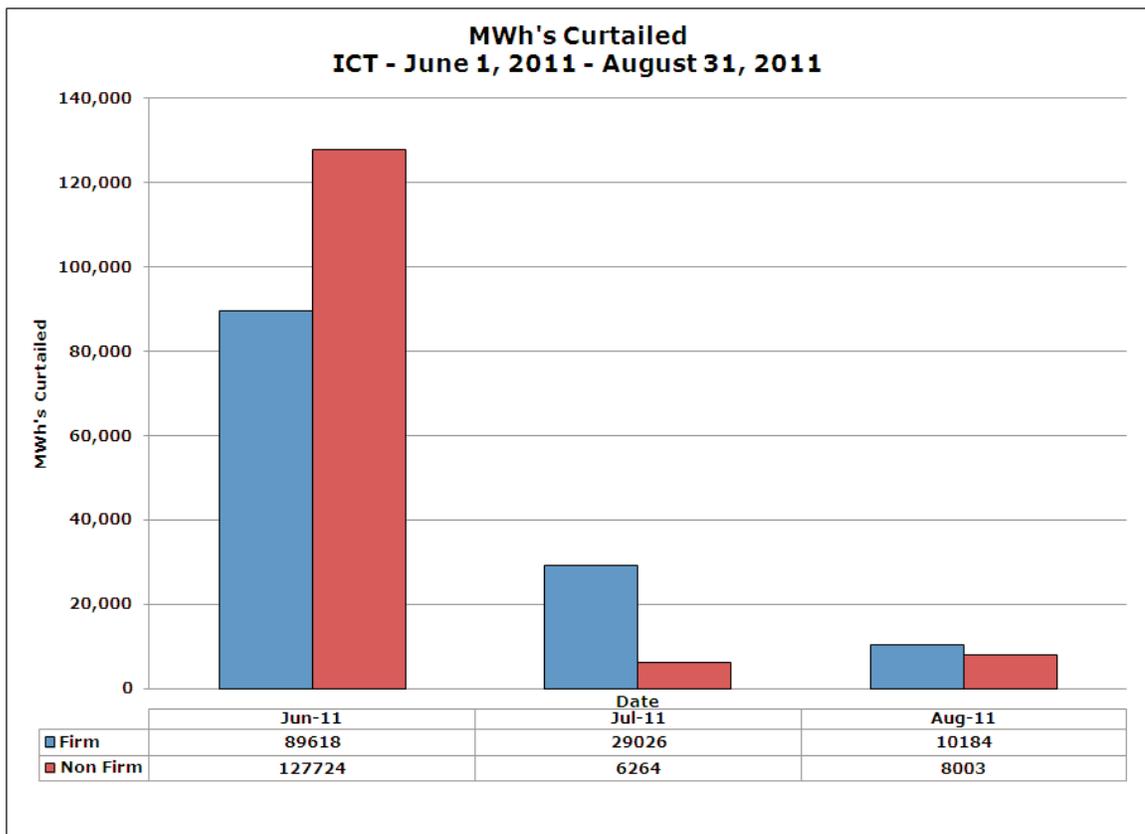
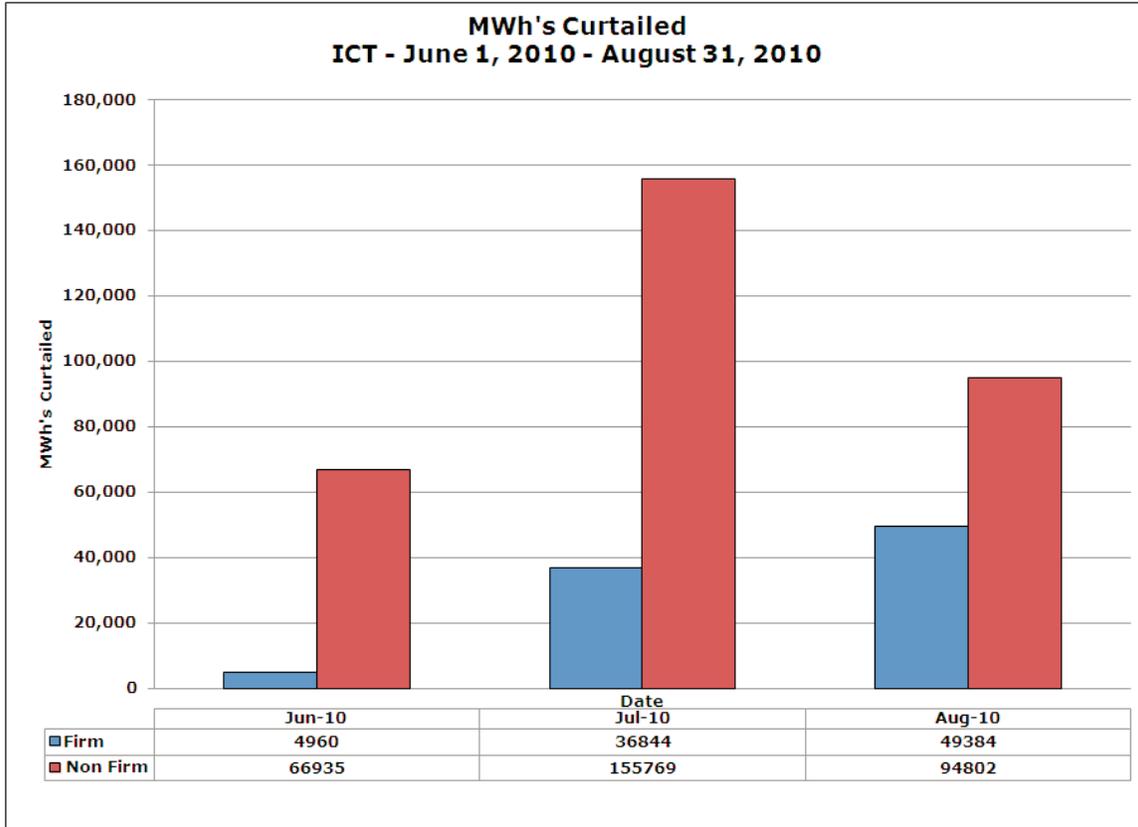


Figure 4



2.4.2 TLR Analysis

During the current reporting period, the total number of TLRs and Non-Firm MWh's curtailed significantly decreased compared to the same period of the previous year. Specifically, Non-Firm service curtailments decreased by 55.3 percent and the total number of TLRs decreased by 59.7 percent. In contrast, Firm service curtailments increased by 41.3 percent.

The following flowgates significantly contributed to the TLR Level 3, 4 and 5 events that occurred during this quarter:

- Hartburg-Inland Orange 230 kV for the loss of Hartburg-Cypress 500 kV due to unplanned outages and generation patterns.
- The West Memphis AT1 1616/500 kV for the loss of San Souci – Shelby 500 kV line and the Dell - San Souci 500 kV flowgate, which is a proxy flowgate, were used to control loading on the transmission system while the Keo – West Memphis 500 kV line was out of service because of storm damage.

During this quarter, Becky Turner of Entegra Power Group, LLC (Entegra) on behalf of Union Power Partners, L.P. (UPP) issued a statement to the ICT about the impact of the Keo-West Memphis outage. Ms. Turner stated the outage caused significant start up costs and lost energy margin. Curtailments that were in place during the overnight hours were lifted for an unknown reason during the morning causing the plant to start-up. Then once start-up was completed the combined-turbine (CT) generators were shut down in the next period for the balance of the day. These curtailments were the worst ever seen at UPP as far as a percentage of scheduled curtailment. The financial implications for UPP were significant even before adding the financial burden of the unnecessary CT starts. Ms. Turner requested the ICT to investigate the incident to make sure this wasn't an error, and if an error was involved to make sure that corrective action was implemented to prevent it from happening again. The ICT Reliability Coordinator filed a TLR level 5 report on this incident and communicated to Ms. Turner that no further investigation was warranted.

Collectively, these flowgates accounted for fifteen (15) percent of the TLR events; sixty-four (64) percent of the Firm MWh's curtailed, and twenty-nine (29) percent of the Non-Firm MWh's curtailed.

2.4.3 Acadiana Load Pocket (ALP) Upgrade Project

As previously reported, the first phase of the ALP Upgrade Project was completed on May 15, 2010. The second phase of the Project began in September 2010 and will continue through this reporting period. No planned outages took place during the summer months.

2.4.4 Reliability Task Force

During this quarter, the Reliability Task Force did not hold meetings. The reliability needs of the transmission system during summer months did not allow for meetings to be scheduled. The review of the congestion management process and summer activities will be the primary focus when the Task Force meetings resume in September.

Agendas, minutes, and background materials from the previous Reliability Task Force and Focus Group meetings and the Stakeholder Policy Committee (SPC) presentation are available on SPP's website at www.spp.org.

3. Tariff Administration (TA)

3.1 Overview

Section 3.1 of Attachment S to Entergy's OATT establishes that SPP shall oversee the provision of transmission service for Entergy and provide TA functions to evaluate (grant or deny) all transmission service requests (TSRs) on a non-discriminatory basis consistent with the TSR Processing Criteria and Transmission Study Criteria. This section of the report addresses SPP's oversight of TA for short-term TSRs. SPP's TA group's oversight of long-term TSRs is discussed in section 4 of this report.

3.2 AFC Studies and Research

The activities of SPP's TA group from June 1, 2011 through August 31, 2011, included, among other things, the ongoing analysis of AFC models; reviewing of the practices and processes for all AFC horizons; implementation of Order No. 890's Conditional Firm service; coordination of the draft TSR Business Practices associated with Entergy's Criteria Manuals; suspension of Non-Firm sales during TLR events; and participation in the AFC Task Force. A more detailed description of these and other activities is provided below.

3.2.1 Ongoing Studies

On a daily basis, SPP's TA group's AFC Engineers analyze and respond to specific stakeholder concerns and questions; review the AFC model for errors and, when necessary, work with Entergy to correct any problems; independently review and verify transmission constraints as needed; and address other issues as identified through the TSR process.

3.2.2 Suspension of Non-Firm Sales

SPP's TA and RC groups continue to operate under the process for suspending the sale of Non-Firm transmission service during TLR events that was implemented last year. Entergy has included several temporary flowgate slots in the AFC process that will be used to add flowgates identified by the RC to support the suspension of Non-Firm sales. The TA and RC groups' monitoring confirms that the new process has been successful and is operating as designed.

3.2.3 WPP Support

SPP's TA group continues to review and monitor the systems that interface between the WPP and the AFC process on a weekly basis.

3.2.4 Implementation of Order Nos. 890 et seq. Requirements

SPP's TA group continues to work with Entergy to finalize the business practices associated with the Conditional Firm service established by FERC Order Nos. 890 et seq. During this quarter, the TA group met with Entergy to continue discussions on the software specifications and interim methods for handling Conditional Firm requests.

3.2.5 Criteria Manuals

As previously reported, Entergy's proposed Criteria Manuals (now Attachments C, D, and E to the Entergy OATT) remain pending before the Commission.

3.2.6 AFC Benchmarking Process

The AFC Benchmarking Focus Group was formed to work with the stakeholders to develop a process for SPP's TA group to benchmark the day-ahead from the AFC planning horizon with real-time data for comparison of the AFC process. During this quarter, work continued on finalizing the confidentiality agreement and the consent to release required to share the data necessary for the Focus Group to participate in the development of the final process. The agreements have been forwarded to Entergy's legal staff for their review. Until both agreements are executed, the Focus Group cannot start to review the results of the process. Therefore, the TA group continues to work with the RC group to do a manual comparison of the AFC data with the real-time data and to refine the process of comparing the two data sets.

3.2.7 AFC Task Force

The AFC Task Force met three times this quarter on June 15, July 12, and August 4. During these meetings, the Task Force focused on flowgates limited by stability limits, evaluation of dispatch for planning and study horizons, the impacts of the implementation of new Modeling, Data, and Analysis (MOD) standards, and modeling of adjacent control areas.

At the request of the AFC Task Force, Entergy provided an overview of flowgates that are limited by stability limits and the process that Entergy uses to study these flowgates. Entergy explained that the annual study is performed by taking an operational case (both light and peak load cases) and looking at the generators in terms of stability.

The AFC Task Force had some concerns about the dispatch in the Planning and Study Horizon models, SPP's TA group is currently reviewing its processes for those horizons. The TA group intends to complete its review by the end of November and report the results to the Task Force.

At the request of the AFC Task Force, Entergy reported on the changes made and impacts from the implementation of new MOD standards. Currently, Entergy has a manual process in place but is working with OATI to automate the new standards. Entergy plans to have the necessary automation in place by the end of November.

At the request of the AFC Task Force, Entergy explained its practices for modeling neighboring control areas. As a result of this discussion, Entergy agreed to add more details to the models such as line and generator outages.

Finally, during this quarter the AFC Task Force discussed the use of seasonal ratings in the AFC process. Entergy's current Energy Management System (EMS) is not capable of supporting multiple ratings. However, Entergy is in the process of transitioning to a newer version of its EMS that can support multiple ratings. See section 3.2.8. Entergy is evaluating what it will take to implement seasonal ratings for all three horizons and a timeline for implementation.

Agendas, minutes and background materials from the AFC Task Force meetings are available on SPP's website at <http://www.spp.org/section.asp?group=2108&pageID=27>.

3.2.8 Entergy's Host Plan (new EMS System)

Entergy is transitioning to an upgraded EMS system and SPP's TA group has been involved in testing the new platform. In addition to Entergy's internal testing, Entergy and the TA group have been working together to ensure that SPP has the proper access to the data, that the functionality of the new system meets SPP's requirements, and that there is a successful transition to the new platform.

3.2.9 Software Testing – OATI webTRANS Automated Preemption

During the quarter, SPP's TA group helped Entergy review tests of OATI software improvements to ensure that the software functions properly and accurately. The software enhancements will provide the TA group a more efficient tool for the processing of competing requests in a timelier manner and reduce the risk of human error. SPP's TA group also considered automated preemption in OATI's webTRANS.

3.2.10 AFC Error Posting Process on OASIS

At the request of stakeholders, Entergy and SPP's TA group have committed to post messages on Entergy's OASIS to keep Transmission and Network Customers aware of issues when AFC errors (discovered by the ICT, Entergy, or customers) might impact the processing of TSRs and

AFC calculation. The guidelines for this new posting procedure were posted on OASIS and were implemented on July 13, 2011.

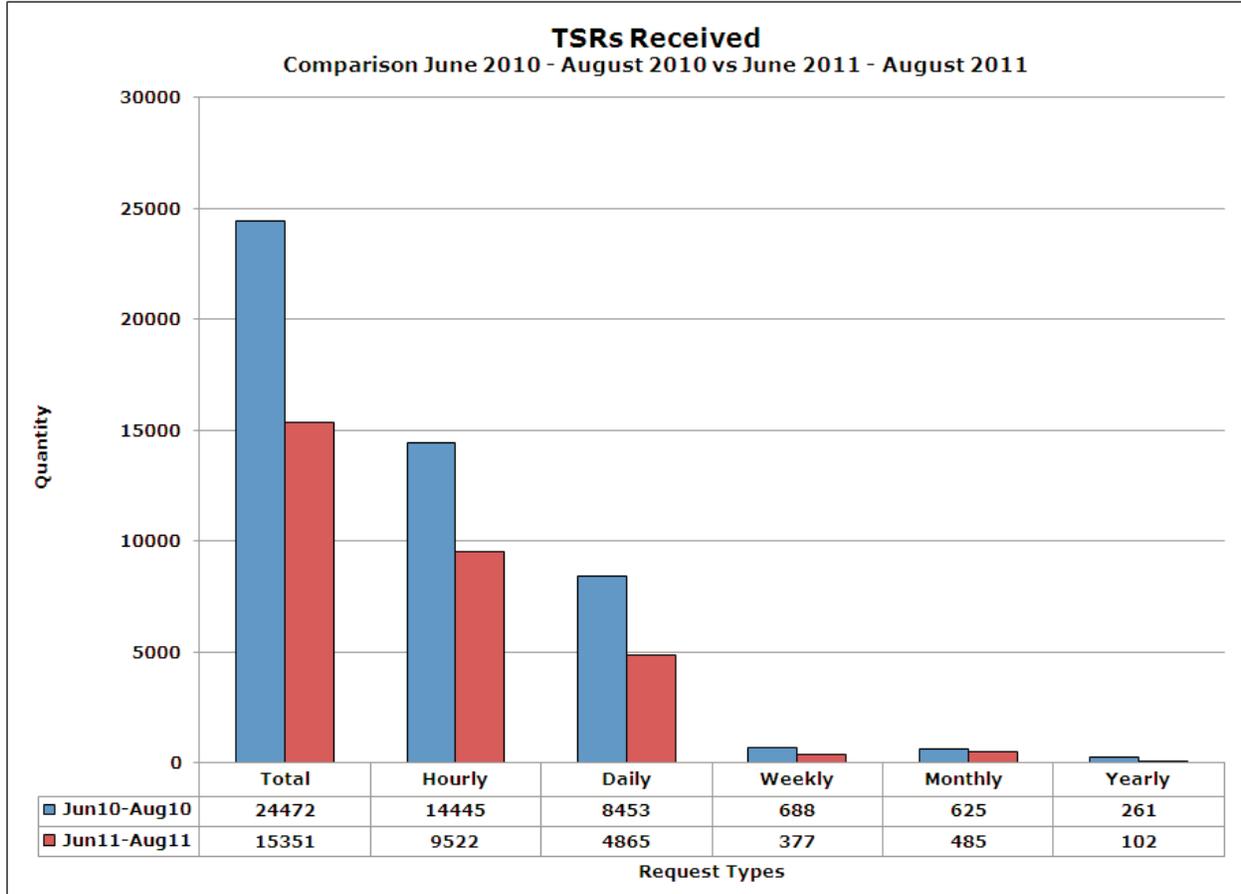
3.3 ICT Processing of TSRs

Transmission Customers have the responsibility to submit a complete and accurate request for service via the OASIS website. SPP's TA group then assesses the completed requests for Non-Firm Hourly service, Firm and Non-Firm Daily, Weekly, Monthly, and Yearly service. The OATi software is used to access and evaluate TSRs to determine whether each TSR should be accepted or refused. Short-term TSRs are accepted or refused based upon the AFC at that particular time. Long-term TSRs or requests outside the AFC Study Horizon (18 months) require a System Impact Study (SIS) and/or a Facilities Study (FS) performed by SPP Planning Engineers. A more detailed discussion of SPP's TA group's oversight of these TSRs and the planning process is included in section 4 of this report.

3.3.1 Review of TSRs

3.3.1.1 Figure 5 illustrates the number of TSRs received and acted on by SPP from June 1, 2011, to August 31, 2011, as compared to the same time period in the prior year. As shown, there was a 37.3 percent decrease in the total number of TSRs received by SPP during this reporting period. The percentage difference for each type of service by duration was as follows: Hourly (-34.1 percent), Daily (-42.4 percent), Weekly (-45.2 percent), Monthly (-22.4 percent), and Yearly (-60.9 percent). These percentage changes can also be seen in Figure 12.

Figure 5



3.3.1.2 The following figures (Figures 6, 7, and 8) illustrate the total number and percentage change of confirmed versus refused service requests for the period from June 1, 2011, to August 31, 2011, compared to the same period in the previous year. The request type of “other” includes TSRs that are in the following statuses: study, accepted, withdrawn, displaced, invalid, declined, superseded, counteroffer, annulled, and retracted. Also, included in the figures below is the total number of requests received by month during the same time periods.

Figure 6

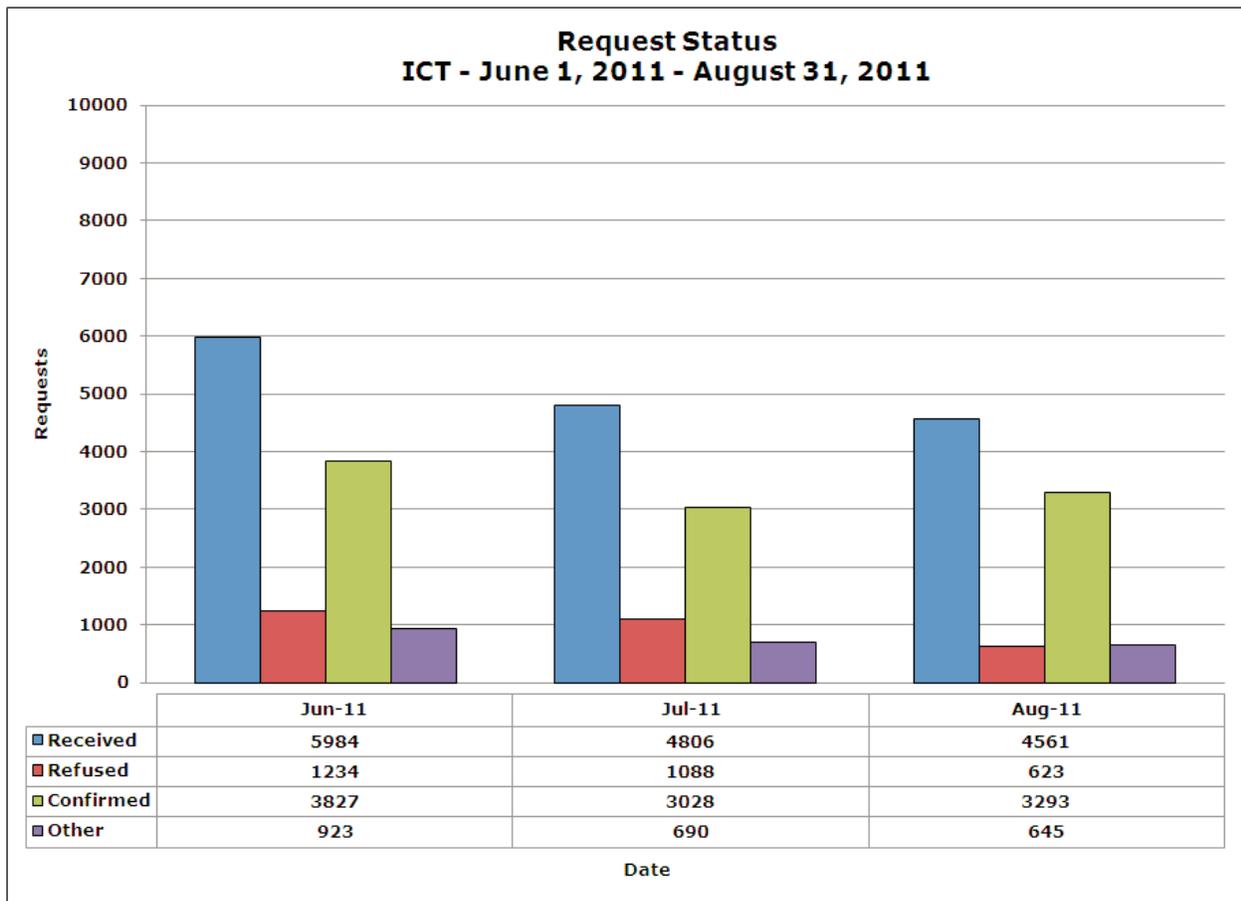


Figure 7

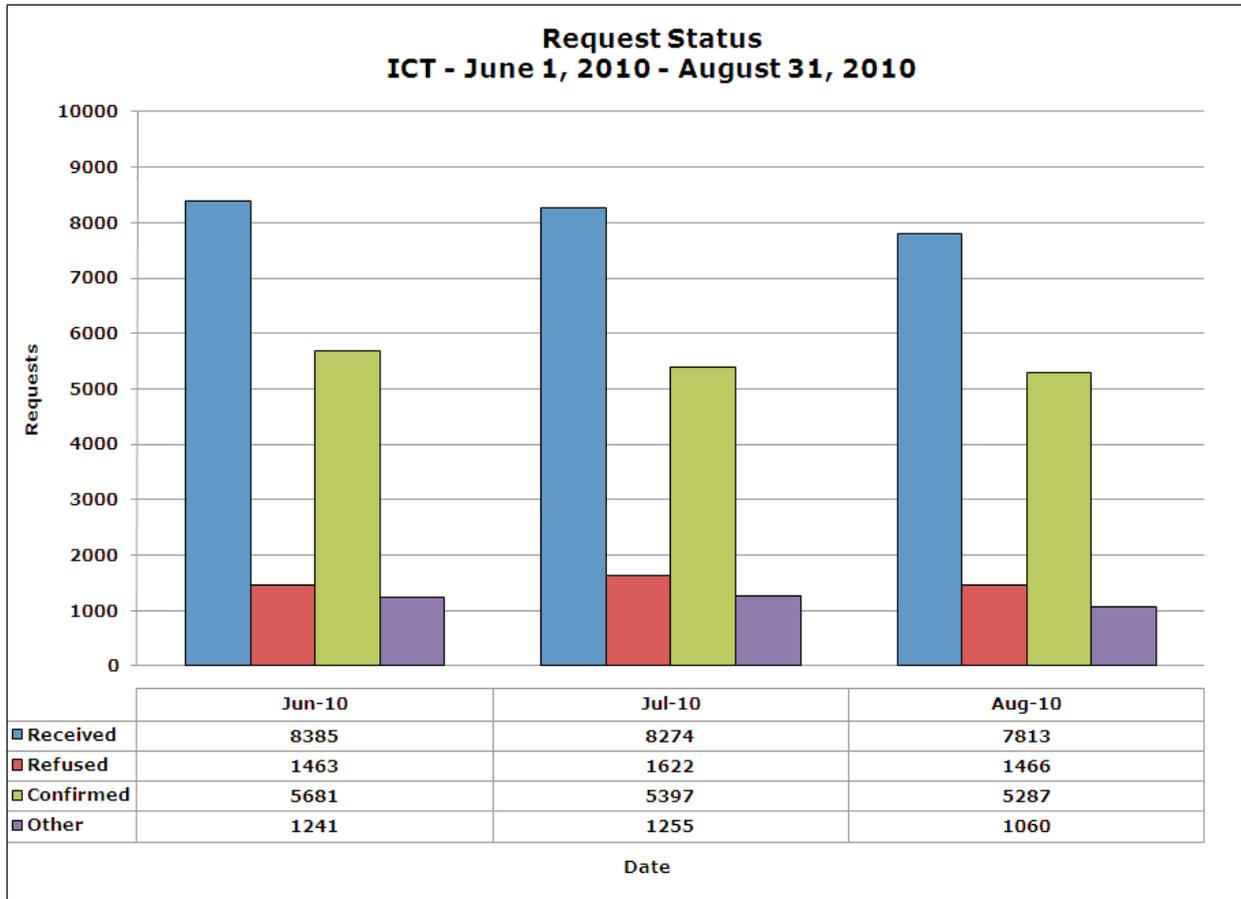


Figure 8

**Year to Year Comparison of Request Status
Jun 2010-Aug 2010 vs. Jun 2011 - Aug 2011**

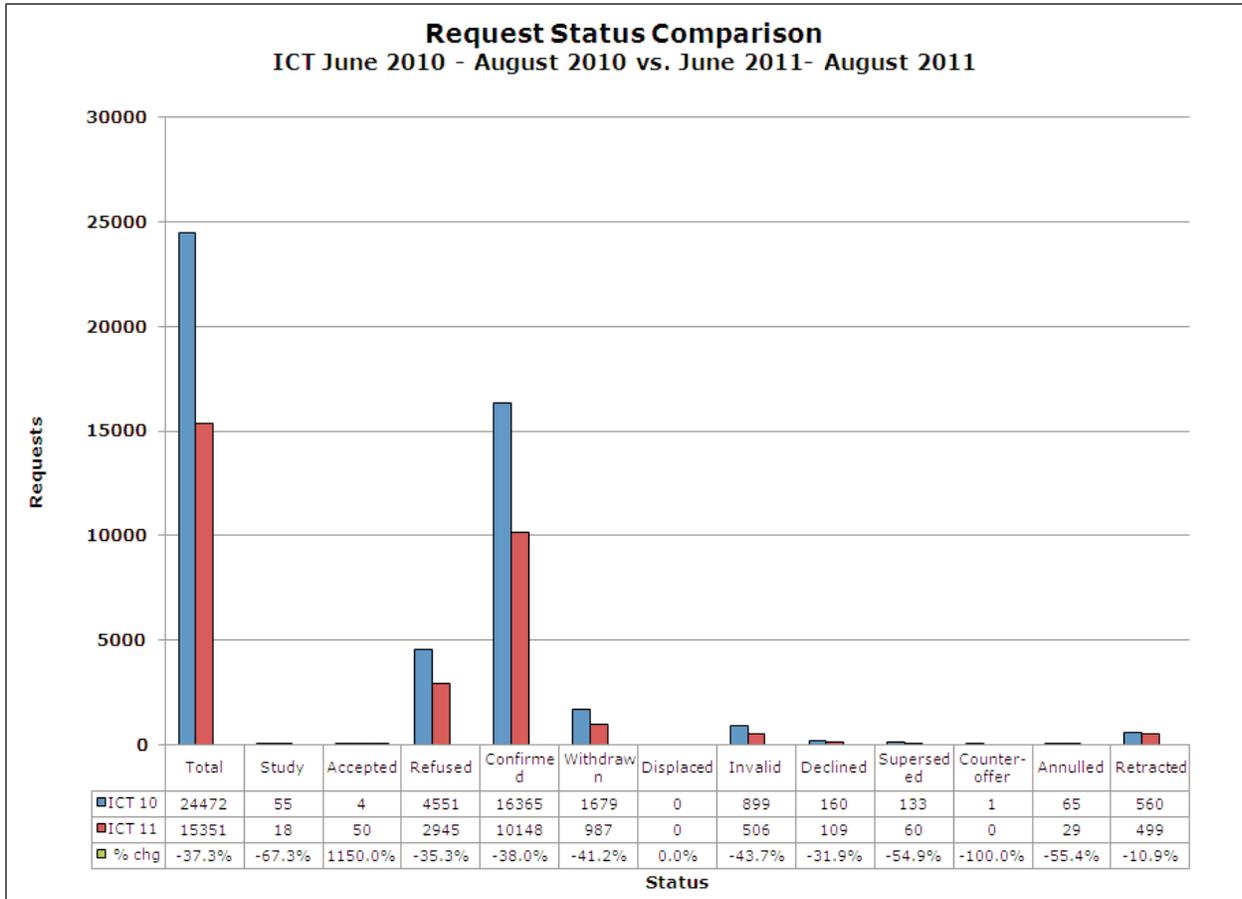
Status	June	July	August	Total
Received	-28.6%	-41.9%	-41.6%	-37.3%
Refused	-15.7%	-32.9%	-57.5%	-35.3%
Confirmed	-32.6%	-43.9%	-37.7%	-38.0%
Other	-25.6%	-45.0%	-39.2%	-36.5%

3.3.1.3 Figure 9 compares the ultimate disposition for the total amount of TSRs received by SPP's TA group from June 1, 2011 to August 31, 2011, and the same time period for the previous year. Since each TSR is received and queued with a status of "study" pending final disposition, some TSRs received by SPP are currently listed in "study" due to the fact that a final decision has not yet been made on the TSR.

SPP's TA group reports that, due to a change in the procedure to comply with Order No. 890, a TSR will be "declined" for the following additional reasons: an Hourly Secondary request is submitted that is not a re-direct; a reservation is overbooked; a reservation window is not yet open; or an e-mail for a designated network resource is not received.

In addition, Attachment 1 to this report provides a more detailed analysis of the TSRs received during the current reporting period. The graphs in Attachment 1 present the disposition of each TSR received by service duration.

Figure 9



3.3.1.4 The following Figures 10 and 11 illustrate the number of TSRs, sorted by type that SPP’s TA group processed from June 1, 2011 to August 31, 2011, and for the same period of the previous year. Figure 12 offers an illustration of the percentage change in service types from June 1, 2011 to August 31, 2011, versus the same period of the previous year.

Figure 10

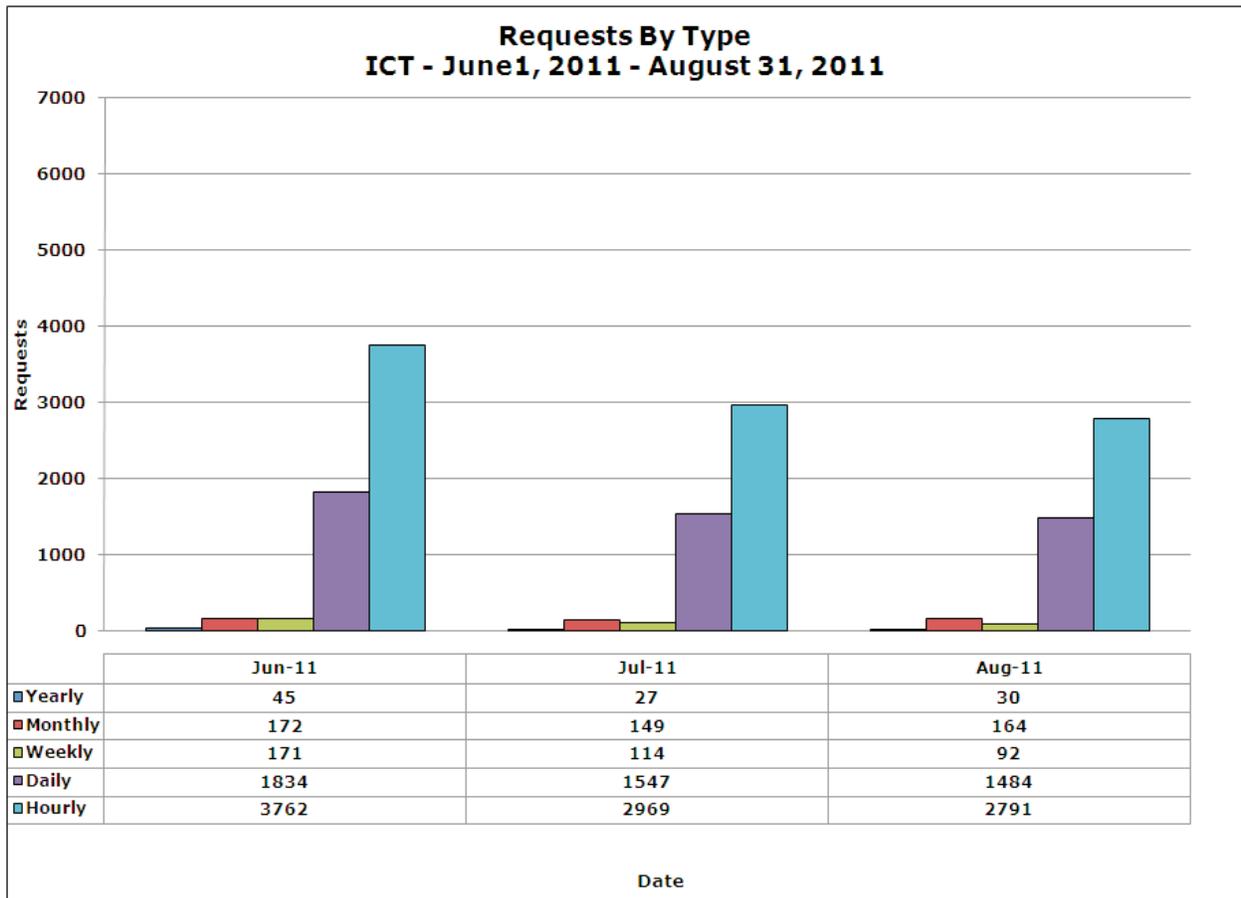


Figure 11

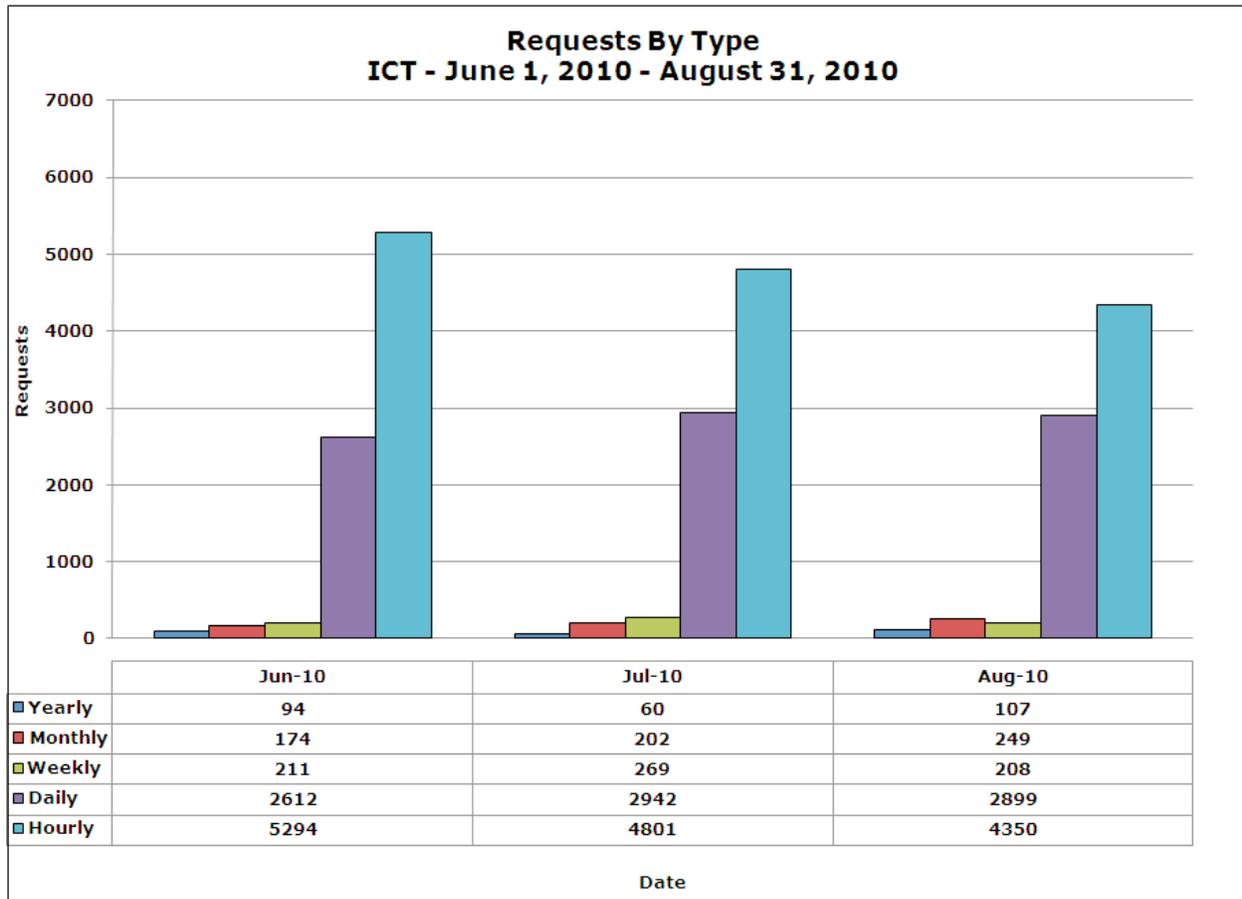


Figure 12

**Request Status Percentage Change
Jun 2010-Aug 2010 vs. Jun 2011 - Aug 2011**

	June	July	August	Total
Yearly	-52.1%	-55.0%	-72.0%	-60.9%
Monthly	-1.1%	-26.2%	-34.1%	-22.4%
Weekly	-19.0%	-57.6%	-55.8%	-45.2%
Daily	-29.8%	-47.4%	-48.8%	-42.4%
Hourly	-28.9%	-38.2%	-35.8%	-34.1%

4. Planning and Tariff Studies

4.1 Overview

Section 3.1 of Attachment S states “[t]he ICT shall oversee the provision of transmission service pursuant to the OATT and the provision of interconnection service pursuant to the [LGIP] and [LGIA].” Section 3.1 (a) (5) of Attachment S also states “[t]he ICT shall prepare the Base Plan pursuant to the Transmission Planning Protocol.” SPP assumed the planning function for Entergy on November 17, 2006. This section of the report describes the functions performed by SPP relating to generation interconnection, long-term planning, and the approval of long-term transmission service.

4.2 Recommended Expansion Planning/Investment

Base Plan/Construction Plan

On June 24, 2011, the draft 2012 ICT Reliability Assessment and supporting data were posted on Entergy’s OASIS for stakeholder review. The ICT hosted a SPC net conference on July 18, 2011, to give stakeholders and Entergy a chance to provide feedback on the draft assessment. The ICT finalized and posted the 2012 ICT Reliability Assessment on August 5, 2011, without making any changes to the draft report.

On July 27, 2011, the final 2011-2013 Entergy Construction Plan Update 3 and the draft 2012-2014 Entergy Construction Plan Update 1 were posted to Entergy’s OASIS. The ICT reviewed the changes made to the final 2011-2013 Entergy Construction Plan and posted the 2011 ICT Base Plan Update 3 on August 3, 2011, noting several completed projects, one modified project, and new Supplemental Upgrades.

The ICT hosted the annual Transmission Planning Summit on August 23, 2011. At the Summit, presentations were given on the 2012 ICT Reliability Assessment and the draft 2012-2014 Entergy Construction Plan. Entergy pointed out that they will be updating their draft Construction Plan to reflect a five (5) year planning horizon and the ICT will also develop their draft Base Plan to reflect a five (5) year horizon. See section 4.5. Accordingly, the updated 2012-2016 Entergy Construction Plan and updated 2012 ICT Base Plan are expected to be completed by the end of the year. Entergy provided an update on expected changes to the NERC Transmission Planning Standards (TPL) and discussed those with the stakeholders. The ICT presented an update on the interregional planning activities, particularly the Southeastern Inter-Regional Participation Process (SIRPP). The ICT also gave an update on economic studies, including the ICT Strategic Transmission Expansion Plan (ISTEP), Minimizing Bulk Power Cost (MBPC), and Entergy/SPP Regional Planning Process (ESRPP). In addition to the formal presentations,

breakout sessions were held for each local area within Entergy's transmission system in order to facilitate discussion of transmission issues with stakeholders, Entergy, and the ICT planning staffs. Stakeholder comments were also solicited after the Summit. The stakeholders were instructed to submit their comments to the ICT for posting on OASIS.

4.3 10-Year Strategic Plan

As previously reported, the five (5) economic studies for the ISTEP 2011 were posted on Entergy's OASIS. During this quarter, the power flow analyses were performed and the following solutions were presented at the annual Transmission Planning Summit on August 23, 2011:

- Amite South Area
 - Rebuild Humphrey-Greenwood 115 kV Line
 - Rebuild Greenwood-Terrebonne 115 kV Line
 - Rebuild Gibson-Humphrey 115 kV Line
- Webre – Wells contingency: Issue for underlying 138 kV and 115 kV network in Louisiana
 - Rebuild Humphrey-Greenwood to 230 kV Line
 - Rebuild Greenwood-Terrebonne to 230 kV Line
 - Rebuild Gibson-Humphrey to 230 kV Line
 - Retire 230/115 kV Autotransformer at Terrebonne
 - Upgrade and install 230/138 kV Autotransformer at Gibson
- New 500/345 kV Station at McNeil – Turk-McNeil 345 kV Line
 - New 500/345 kV Station at McNeil
 - New Turk-McNeil 345 kV Line
- White Bluff – Keo 500 kV for the loss of Mablevale – Wrightsville 500 kV
 - Terminal equipment upgrades at White Bluff and Keo 500 kV Substation
- St Gabriel – AAC – Licar 230 kV for the loss of Willow Glen – Waterford 500 kV
 - Build Willow Glen-Conway 230 kV Line

The ISTEP 2011 projects will be processed under the following schedule: (i) Grid View economic analyses in September 2011; (ii) final results of the economic studies by late fourth quarter 2011; and (iii) final report by first quarter 2012.

4.4 Minimizing Bulk Power Costs (MBPC) Study (formerly RMR Displacement Study)

As previously reported, the SPC approved a recommendation to perform an economic transmission study to determine the set of transmission upgrades needed to significantly reduce or eliminate the use of reliability must run (RMR) units located in load pockets, while providing net savings to customers. ABB was selected as the vendor to perform the MBPC study.

Last quarter, ABB finalized the 2013 and 2022 production costing models and corresponding peak hour power flow models. ABB also performed the analyses for the 2013 Western Region, West of the Atchafalaya Basin (WOTAB), Down Stream of Gypsy (DSG), and Amite South. Entergy and SPP then provided a transmission solution for these analyses and ABB analyzed the results. On May 3, 2011, the

results for the Western Region production cost and transmission analysis studies were presented to stakeholders.

This quarter, the results of the 2013 Western Region, WOTAB, DSG, and Amite South studies were presented at the Transmission Planning Summit on August 23, 2011. An update on the progress of the MBPC study was also given to the E-RSC on August 24 and 25, 2011. The final report on the 2013 Entergy Mississippi and 2022 Region analysis is scheduled to be completed in February 2012.

All meeting and background information for the MBPC study is available for review on SPP's website at www.spp.org.

4.5 Extending Planning Horizon to Five Years

On June 17, 2011, the E-RSC found that a five (5) year horizon for transmission planning was needed to address longer-term reliability concerns on the Entergy system. In doing so, the E-RSC adopted a resolution directing Entergy to amend its OATT to expand the time-horizon the ICT uses to identify upgrades included in its Base Plan from three (3) years to five (5) years. Accordingly, Entergy filed to amend Attachment T (Docket No. ER11-4327) to reflect the change in the planning time-horizon. At the time of this report, a Commission order was still pending.

4.6 Inter-Regional Coordination

During the current reporting period, SPP has been actively involved in inter-regional coordination for the Entergy system. SPP's activities in each region are discussed below.

SPP RTO

SPP kicked off its 2011 ESRPP with a conference call meeting on June 16, 2011. At this meeting, a high-level summary of the 2010 ESRPP Report was presented along with a study timeline for the 2011 ESRPP scope document.

Stakeholders selected the following regional economic studies for the 2011 ESRPP:

Two detailed step 2 studies:

- 1) Arkansas Independent Power Producers (IPP) to SPP South for 2408 MW
- 2) AEPW to Entergy Arkansas for 1117 MW

Three new high-level studies selected:

- 1) Entergy to EMDE for 500 MW

2) Nebraska to Entergy for 3000 MW

3) Entergy to Nebraska for 3000 MW

Another meeting for the 2011 ESRPP was held on August 24, 2011, to present the initial screening results of the high-level analysis for the 2011 cycle and a detailed project description of the step 2 studies. Stakeholders were asked to look over the limiting elements, recommend projects to alleviate overloads, and provide their comments by September 30, 2011. Additional results from the high-level studies will be available for stakeholders to evaluate by the end of October, 2011. The next ESRPP meeting is scheduled for the first quarter of 2012.

Southeast

SPP is also actively involved in the Southeastern Regional Transmission Planning (SERTP) process and their Southeast Regional Planning Stakeholders Group (RPSG). On June 29, 2011, SERTP held their Second Quarter RPSG Meeting for 2011. At that meeting, SERTP members discussed the 2011 Modeling Assumptions (Load Forecast and Generation Assumptions), Florida Reliability Coordinating Council Update, Preliminary 10 Year Transmission Expansion Plan (Process Overview, East Region, and West Region), and the 2011 Economic Planning Studies Scope. For additional information regarding SERTP, please visit www.southeasternrtp.com. The Third Quarter SERTP Meeting is scheduled for September 22, 2011. SPP will continue to follow and participate in the study process as it affects the Entergy system.

SPP also participates in the SIRPP, which addresses inter-regional planning for the SERC region as required under Order No. 890. SPP is directly involved in the Study Team and Process Team which evaluate studies across the southeast region. On August 18, 2011, SIRPP held its Third Inter-Regional Stakeholders meeting. At that meeting, SIRPP members discussed the final results of the 2010-2011 Economic Studies and stakeholders input on the 2011-2012 SIRPP timeline process. The five (5) projects included in the final 2010-2011 Economic Studies were as follows:

- High Voltage Direct Current Injection in Duke to the Virginia-Carolina sub-region within SERC (VARCAR) – 3000 MW (2016, Step 1 Evaluation)
- South Carolina Regional Transmission Planning Participants (SCRTP) to PJM West – 1000 MW (2016, Step 1 Evaluation)
- SCRTP to TVA – 1000 MW (2016, Step 1 Evaluation)
- PJM West to VACAR – 1000 MW (2016, Step 1 Evaluation)
- Progress Energy Carolinas (PEC) to the Southeast – 2000 MW (2020, Step 1 Evaluation)

SPP reports that the PEC to Southeast transfer will have constraints on three (3) of Entergy's transmission lines. The limiting elements with requested thermal loading on each of these lines are as follows:

- Grimes – Mt. Zion 138 kV line (100.4% Loading) at a cost of \$10,900,000
- Rex Brown – Miami St. 115 kV line (100.5% Loading) at a cost of \$3,740,000
- Brinkley East – Clarendon 115 kV line (100.5% Loading) at a cost of \$13,650,000

The total cost for all three lines is \$28,290,000 (2011\$). The final results of the remaining projects in the 2010-2011 Economic Studies can be found on the SIRPP website at:

http://southeastirpp.com/General/aug2011/2010-2011_SIRPP_Final_Results_Report.pdf

For additional information regarding SIRPP, please visit www.southeastirpp.com. The next SIRPP meeting will be held sometime in December to discuss the upcoming 2011-2012 Economic Study process/nominations. SPP will continue to follow and participate in the study process as it affects the Entergy system.

4.7 Louisiana Public Service Commission (LPSC) Technical Conference

The LPSC Transmission Task Force has not completed its final report evaluating concerns related to Entergy's transmission planning; base case contingency overloads (BCCO); financial flowgate rights; the use of undocumented operating guides; a Joint Planning Study Process; and Entergy's 2009 Economic Study Process. SPP will continue to participate in the Task Force in a supporting role to facilitate discussion and resolution of the issues assigned to the Task Force.

4.8 Generation Interconnection Request Studies (GIRS)

When a Transmission Customer requests to connect a generation facility to the transmission grid, the request must go through the Entergy interconnection process as defined in Attachment N of Entergy's OATT. A series of three (3) studies are performed by SPP and its contractors for each interconnection request: a Feasibility Study, a SIS, and a FS. Prior to each study phase, the Transmission Customer is tendered a study agreement, which they must respond to within thirty (30) days to continue the study process. Each study phase has its own time limit for completion or explanation for extension of the due date:

- Feasibility Study (45 day limit)
- SIS (90 day limit)
- FS (90 day limit for a 20 percent cost estimate, 180 day limit for 10 percent cost estimate)

At the end of this quarter, there were no (0) active Feasibility Study projects; three (3) active SIS projects; and seven (7) active FS projects being conducted by SPP. Additionally, the study process for two (2) generation interconnection projects was completed. No (0) new large generation interconnection project was added to the GIRS queue during the reported quarter.

This section discusses the status of the GIRS for the quarter, including instances where due dates for studies were met or delayed and a delay letter was sent to the Transmission Customer. Generally, SPP is in constant contact with a customer throughout the course of a study and the transmittal of a delay letter is not the customer's first notification of a delay. It also bears noting that Entergy's OATT requires that all studies be processed and studied in queue order. For this reason, consideration of studies earlier in the queue can contribute to delays with other studies later in the queue and involve events beyond SPP's control.

4.8.1 Figure 14 shows the GIRS that were active during the reporting period and their current status.

Figure 14

GI Project #	Fuel Type	Capacity Requested	Project Validation Date	Delay Letters	Completion Date	Status
221	NG	875 MW	4/15/2008	SIS delay letters were sent on 10/9/08 11/17/08 Delay letter for FS issued 3/24/2009 LGIA Extension Letter issued 2/16/11	FS Report Declared Final on 5/25/2010	Awaiting Executed LGIA
231	NG	31 MW	3/18/2009	SIS delay letter was sent on 8/4/09 9/14/10	FS Report Declared Final on 5/18/2010	Awaiting Executed LGIA
238	NG	550 MW	9/1/2009	SIS delay letters were sent on 3/11/2010 and 4/15/2010 FS delay letters were sent on 7/27/2010, 8/17/2010, & 9/23/2010	FS Report Posted on 2/17/2011	Awaiting Final Posting of FS

240	NG	650 MW	10/2/2009	SIS delay letters were sent on 3/11/2010 and 4/15/2010 FS delay letters were sent on 7/27/2010, 8/17/2010, & 9/23/2010	FS Report Posted on 3/30/2011	Awaiting Final Posting of FS
244	Coal	13 MW	12/30/2009	FS delay letters were sent on 9/3/2010, 10/11/201, & 11/18/2010	FS Report Posted 2/8/2011	Awaiting Customer Comments on Draft LGIA
247	Wind	400 MW	4/19/2010	SIS delay letter was sent on 5/18/2010, FS delay letter was sent on 7/1/2011	SIS Posted on 2/8/2011	Awaiting Posting of FS
250	Biomass	50 MW	10/15/2010	SIS delay letter was sent on 5/19/2011	SIS Posted on 6/9/2011	Awaiting Posting of FS
251	Wind	150 MW	12/20/2010		Withdrawn by Customer on 8/5/2011	
252	Wind	150 MW	12/20/2010		Withdrawn by Customer on 8/5/2011	

253	Wind	150 MW	1/12/2011		Withdrawn by Customer on 6/22/2011	
255	Wind	251 MW	1/19/2011	SIS delay letters sent on 8/8/2011 & 9/6/2011	Feasibility Study Posted 4/12/2011	Awaiting Posting of SIS
256	Steam	90 MW	1/24/2011		SIS Posted 8/10/2011	Awaiting Posting of FS
257	Wind	252 MW	1/28/2011	SIS delay letter was sent on 8/8/2011	Feasibility Study Posted 4/14/2011	Awaiting Posting of SIS
260	Wind	141 MW	1/31/2011		Feasibility Study Posted 6/2/2011	Awaiting Posting of SIS
261	Steam	61 MW	2/2/2011		Withdrawn 8/3/11	
266	Solar	40 MW	2/2/2011		System Impact Study Posted 7/8/2011	Awaiting Posting of FS

268	Solar	60 MW	2/2/2011		System Impact Study Posted 7/8/2011	Awaiting Posting of FS
270	Solar	50 MW	2/2/2011		Withdrawn 7/25/11	
280	Steam	32 MW	5/24/2011		Withdrawn 7/25/11	

4.9 TSR Studies (TSRS)

TSRs are received by SPP's TA group through OASIS. Requests for long-term yearly service or short-term monthly requests that extend partially or completely outside the eighteen (18) month AFC Study Horizon require a SIS and, if needed, a FS. The SIS studies are performed by SPP planning personnel and SPP's contractors; the FS are completed by Entergy and are subject to review, validation and posting by SPP. Both the SIS and FS must be completed in sixty (60) calendar days.

During the current reporting period, SPP completed nineteen (19) SIS. Entergy and SPP completed fourteen (14) FS during this reporting period.

4.9.1 SPP did not miss the sixty (60) day deadline for any SIS.

4.9.2 The sixty (60) day deadline was missed for one (1) FS.

4.8.2.1 OASIS 75206836. This project had an original FS estimated completion date of July 8, 2011. A FS delay letter was sent on June 23, 2011, for a July 22, 2011, estimated completion date. A second delay notice was sent on July 20, 2011, for an August 5, 2011, estimated completion date. The delay in the FS was due to the complexity of validating the design and the integration of new transmission facilities with existing critical transmission infrastructure. The FS was posted on August 5, 2011.

4.9.3 SPP had thirteen (13) SIS in progress at the end of the current reporting period. The following list provides the OASIS Reservation numbers for the SIS currently in progress:

75821264, 75821275, 75821393, 75821397, 75823922, 75823926, 75826033, 75826038, 75862783, 75862786, 75986684, 76015110, and 76045343.

4.9.4 There were seven (7) FS in progress at the end of the current reporting period. The following list provides the OASIS Reservation numbers for the FS currently in progress:

75406365, 75460486, 75529438, 75529439, 75529449, 75529451, and 75564309.

4.10 System Impact Study (SIS) Task Force

The SIS Task Force did not meet during this reporting quarter. SPP continues to work with Entergy and stakeholders to address action items identified during the May 16, 2011 meeting. These action items included the incorporation of a line rating check for congested facilities during the ICT's FS solution set verification process; the development of a more detailed example of the calculation methodology for load growth; and the documentation of the process followed by the ICT to review study solution sets provided by Entergy. Two additional open items being addressed by the SIS Task Force are the review and editing of the Attachment T Guidance document and the development of a proposal regarding the study of load growth impact on Supplemental Upgrades, as specified in Attachment T of Entergy's OATT.

Jennifer Vosburg resigned as Chair of the SIS Task Force during the E-RSC meeting on August 25, 2011. Therefore, selection of a new Chair will be an agenda item for the next scheduled meeting of the SIS Task Force. Agendas, minutes, and background material for the SIS Task Force are available on SPP's website at www.spp.org.

5. Weekly Procurement Process (WPP)

Section 3.2(a) of Attachment S in Entergy's OATT states "[t]he ICT shall oversee the design and operation of the WPP by the Transmission Provider." Attachment V of Entergy's OATT governs the WPP and took effect March 17, 2009, after the Commission conditionally approved Entergy's filings to amend Attachment V made on January 16, 2009, in Docket Nos. ER08-513 and ER09-555.

5.1 ICT Oversight

SPP fulfilled its obligation to oversee the design and implementation of the WPP as the start-up of the WPP successfully began the week of March 23, 2009. Currently, SPP oversees the operation of the WPP and independently reviews the WPP's results.

The WPP has evolved and improved over time as parties gained more experience with the process. SPP continues to monitor the WPP and will, as appropriate, recommend further enhancements to the process.

5.2 WPP Task Force

In accordance with the WPP Task Force's guiding document, the task force will be a stakeholder-led group that addresses the technical aspects of policies being evaluated by the SPC. WPP Task Force meeting schedules will be dependent on need, rather than regular time intervals.

During this quarter, the Task Force held three (3) scheduled meetings that focused on the operation and results of the WPP. In particular, the following items concerning the WPP were discussed: weekly summaries of the WPP results; review of the WPP Quarterly Report; an update on the tariff change to implement the process for extending the on-peak offer period in the WPP; an update on the disclosure of additional WPP information; an update on errors in the load forecast posting and submissions to Entergy's Power Offer Website (EPOW); and the procedure for designating must-run units for transmission outages and unit testing. A more detailed discussion of these items is provided below.

5.2.1 WPP Results for June 2011 to August 2011

As previously reported, SPP provides a summary of WPP results at each WPP Task Force meeting. In doing so, SPP gives a general discussion about the results of the WPP for a given period without disclosing any information about the underlying data and analysis. Stakeholders have expressed frustration over the lack of detailed information about the WPP results. Due to the strictures of Attachment V, however, the results of the WPP are considered confidential. Therefore, SPP cannot disclose any details about the WPP results that are not publicly-available under the Tariff.

During this quarter, the WPP results showed a decrease in the total number of participating generators; the total number of third-party supplier offers submitted and accepted; and the total number of MWs offered and awarded through the WPP, as compared to last quarter. More details and analysis on the results of WPP's operations for this period are available in the WPP Quarterly Report filed with the Commission.

5.2.2 WPP On-Peak Extension

As reported last quarter, the new on-peak offer extension procedure was implemented starting the WPP Operating Week of May 28, 2011. Accordingly, this report offers the first full quarter for evaluating the new procedure. Under this new procedure, the on-peak offer period was extended twenty-two (22) to twenty-three (23) hours in several WPP Operating Weeks. However, stakeholders raised a concern over the potential lost value when resources are forced to cycle across more than the unavailable offer period (i.e., 1-2 hours) in order to meet their minimum downtime requirement. In this regard, stakeholders asked SPP to perform additional testing of an around-the-clock offer period extension outside of the summer months. The testing performed by SPP showed that permitting around-the-clock offers resulted in some increased offer selection and estimated production cost savings, but it also presented the risk of additional violations (e.g., hourly flexibility) that could lead to WPP results being deemed infeasible. Therefore, Entergy, SPP, and stakeholders agreed to continue to examine ways to add more flexibility to the new offer extension procedure.

5.2.3 WPP Transparency

On June 15, 2011, Entergy filed to amend Attachment V to implement the E-RSC recommendation for the disclosure of additional WPP-related information. Specifically, Entergy proposed to disclose the following information on an aggregated quarterly basis: (i) the congested flowgates in Run 1 and the number of constrained hours on each congested flowgate; (ii) the average operating reserves requirement; (iii) the number of WPP Operating Weeks in which certain soft constraints were binding in Run 1; (iv) the percentage of offers and MWs selected in Run 1 that provided automatic generation control (AGC) capability or operating reserves; (v) the percentage of offers and MWs selected in Run 1 that contributed to the flexibility requirement; and (vi) the estimated displacement of Entergy's legacy generation.

On July 20, 2011, the Commission adopted Entergy's proposed revisions to Attachment V to be effective July 1, 2011. In accordance with the new tariff requirement, Entergy will compile and SPP will post the additional information on Entergy's OASIS for the period July to August 2011 in

early September. SPP will then include this information as part of the WPP Quarterly Report filed with the Commission.

5.2.4 Load Forecast Posting

During this quarter, Entergy reported that a permanent software fix was put in place to eliminate the posting of two (2) daily peaks which caused confusion as to which number corresponded with the WPP load forecast. The WPP Task Force agreed that with the fix this item is now closed.

5.2.5 EPOW Submissions

During this quarter, Entergy reported that a permanent software fix was put in place to resolve the issue of third-party suppliers being occasionally bumped from EPOW, and therefore, asked to resubmit their flexible offers into the WPP. No additional errors have been identified since the new software was implemented, but Entergy and SPP will continue to monitor to ensure no further errors occur.

5.2.6 Transmission Outage and Unit Testing Must-Run Procedure

During this quarter, SPP presented new language for the WPP Manual describing the procedure used for designating must-run units in the WPP model to account for system conditions or system requirements (i.e., transmission outages and unit testing) that may not otherwise be recognized in the model. Under this procedure, a Participating Network Customer (PNC) must submit specific information to support its request to adjust the WPP model and enable SPP to evaluate whether it can recommend such action. While Weekly Operations makes the ultimate decision on whether to include the WPP model adjustment, SPP can report to the Commission and state regulatory agencies actions taken by Weekly Operations that are inconsistent with SPP's recommendation.

Stakeholders questioned whether the procedure allows for the displacement of the PNC's owned resources. SPP explained that its preferred option is to include a temporary flowgate in the model to allow the model to evaluate whether an available third-party resource or the PNC's owned resource can meet the system need. However, under this scenario there is the risk that the model results may not meet the real-time expectations and the WPP results could be deemed infeasible. If there is no competitive merchant generation to meet the system condition, then the must-run designation ensures that the PNC's owned resource(s) is modeled to meet the need. Further details of the process will be provided in future reports as Entergy, SPP, and the stakeholders have agreed to continue their discussion about this procedure.

5.3 WPP Quarterly Report for March 2011 to May 2011

On June 15, 2011, the ICT filed a quarterly report on the WPP's operations and savings for the period March 2011 to May 2011. As reported, the WPP's quarterly results showed an increase from the prior quarter in the number of participating generators; the total number of third-party supplier offers submitted and accepted; and the total number of MWs offered and awarded through the WPP. In addition, the WPP experienced the highest level of energy forecasted to be purchased through the WPP (1,083,188 MWh's) for a single quarter since the start-up of the WPP. Based on SPP's assessment, the improvement in each of these performance metrics for the WPP was due primarily to three (3) factors: (i) increased efficiency and reliability in the WPP process due to model software enhancements; (ii) a significant increase in the number of third-party supplier offers submitted; and (iii) the number of generation outages during this quarter. More details and analysis on the quarterly results of WPP's operations and savings can be found in the filed report.

6. Entergy Regional State Committee (E-RSC)

6.1 Overview

As previously reported, the E-RSC was established to provide collective state regulatory agency input on the operations of and upgrades to the Entergy Transmission System (ETS), including, without limitation, issues relating to the operations and functions of the ICT and the ICT committees, working groups, and task forces. Such input and participation shall include, but not be limited to: the differences between the ICT Base Plan and the Entergy Construction Plan, the need for executed seams agreements between Entergy and the surrounding transmission systems and RTOs, the appropriate mechanisms to increase the amount of transmission built, and cost allocation methodologies.

In December 2010, the Commission accepted Entergy's filing of Attachment X to Entergy's OATT to codify the E-RSC's authority as it relates to Entergy. In accordance with Attachment X, the E-RSC, upon the unanimous consent of its members, has the authority to: (i) direct Entergy to make a 205 filing to change the terms and conditions that apply to cost allocation for transmission projects, including changing the time horizon used for cost allocation under the ICT's Base Plan; and (ii) direct Entergy to add transmission projects to the Entergy Construction Plan.

6.2 E-RSC WG

The E-RSC WG consists of staff and consultants representing each of the Entergy retail regulatory bodies. The E-RSC WG has assumed a tactical role in support of issues and concerns raised before the E-RSC.

During this quarter, the E-RSC WG held several in-person meetings and conference calls with staff and Entergy stakeholders to discuss the issues being considered by the E-RSC.

6.3 E-RSC Meetings

The E-RSC held a meeting on August 24-25, 2011. At the meeting, the topics of discussion included: (i) a review and comparison of the Entergy ICT metrics; (ii) WPP operational results; (iii) an update on the MBPC study; (iv) Reliability update; (v) discussions regarding the use of an Independent System Monitor; (vi) FERC led discussion of Order No. 1000; and (vii) presentations by both Entergy and the Midwest ISO regarding the proposed integration of Entergy into the Midwest ISO.

Agendas, minutes, background material, and full transcripts for all E-RSC meetings are available on SPP's website at: <http://www.spp.org/section.asp?group=1630&pageID=27>.

6.4 FERC Sponsored Cost Benefit Study of Entergy Joining the SPP RTO

As reported last quarter, Entergy formally announced a proposal to join the Midwest ISO and made regulatory filings in each of their retail jurisdictions detailing this proposal. At the time of this report, no orders have been issued by the retail jurisdictions regarding Entergy's proposal. SPP will continue to be fully engaged in the ICT process and perform its duties and obligations as stipulated in the ICT Agreement for as long as the agreement is in force.

6.5 E-RSC Metrics

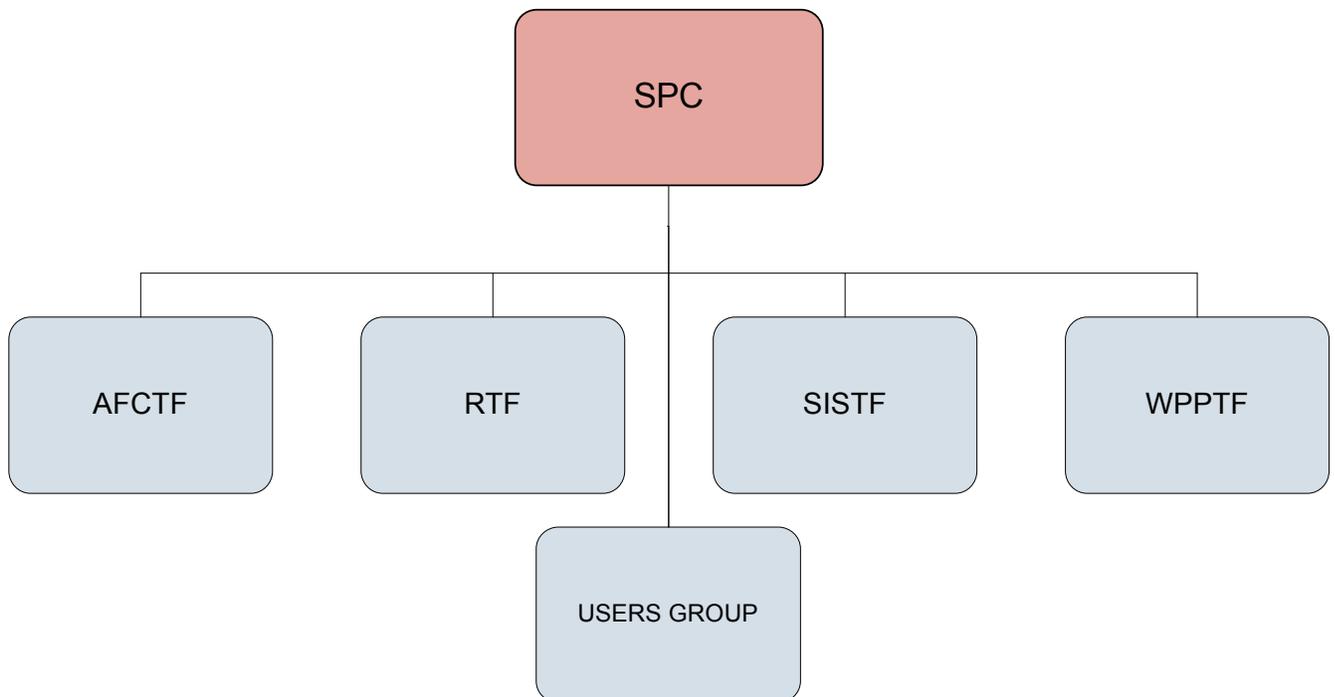
At the request of the E-RSC, SPP produces a metrics report that shows information and results for congestion, transmission utilization, and transmission and interconnection studies performed by the ICT. In these reports, congestion is tracked by TLR levels, TLR durations, flowgates, and Local Area Procedure (LAP) events. Transmission utilization results are reported for Firm, Non-Firm, and Network requests. In addition, SIS, FS, and GIRS that are in progress, granted and completed during the past year are shown on a quarterly basis. The most recent June Metrics Report is presented as Attachment 2.

7. Stakeholder Process

7.1 SPC Organization Chart

In 2010, stakeholders, Entergy, the ICT, and the E-RSC agreed to examine the current structure of the SPC to determine whether changes needed to be made to increase the efficiency of the committee and to prevent duplication of work on issues jointly addressed by the E-RSC. To this end, the SPC formed a Charter Review Task Force to propose changes to the SPC structure and format, consider whether any changes to the Entergy tariff would be required to implement the new structure, and report back to the SPC.

On August 26, 2010, the SPC approved the proposed restructuring of the SPC Charter. In that restructuring the SPC disbanded the permanent working groups (i.e., LTTIWG, NTTIWG, and WPPIWG) and instituted a new process for the creation of specific task forces to address issues of interest to the SPC. The Users Group would stay intact, reporting directly to the SPC. The following chart displays the four task forces currently approved by the SPC under the revised charter, including the AFC Task Force (AFCTF); the Reliability Task Force (RTF); the System Impact Study Task Force (SISTF); and the Weekly Procurement Process Task Force (WPPTF).



Each task force is charged with the following duties:

- Understand and explore the complexity of the task force issues.
- Facilitate open discussion amongst group members.
- Seek consensus within the group as to what are the most efficient and fair alternatives to correct any gaps in processes.
- Assist in making a reasonable decision based upon the information gleaned from the group’s discussions.

All future updates and reports on each task force’s activities will be provided in the section of this report associated with their respective functional responsibilities. See sections 2, 3, 4, and 5.

7.2 IssueTrak Update

As previously reported, SPP implemented IssueTrak to help manage stakeholder communications with SPP. The SPP IssueTrak can be viewed at: <http://spp.issuetrak.com/Login.asp>.

SPP continues to encourage stakeholders to access and utilize IssueTrak for all informal communications. SPP reviews IssueTrak to make certain that open items are responded to in a timely manner.

This quarter, no new issues were entered by the stakeholders into IssueTrak. No open issues were remaining from the previous quarter

**Figure 15
Issues Received by IssueTrak
June 2011 – August 2011**

Contract Services – General	0
Planning	0
Reliability	0
Tariff	0
WPP	0
Total	0

In response to a SPC directive, the ICT Reliability Coordinator was requested to perform an analysis of the stakeholders’ usage pattern of IssueTrak. The ICT Reliability Coordinator completed the required analysis prior to the June 2011 SPC meeting. However the SPC meeting in June did not allow for time in the agenda for the information to be presented. Accordingly, the results of this analysis will be discussed in a future SPC meeting.

7.3 SPC Meeting Reports

- 7.3.1 June 29, 2011, SPC Meeting in New Orleans, LA.** Forty-seven (47) attendees participated in person or by teleconference. Meeting minutes are provided in this report. See Attachment 3.

TLR 5 Report

Due to NERC Reliability Standard changes, the current TLR 5 reporting procedure used by the ICT Reliability Coordinator was discontinued. Therefore, SPP made a presentation detailing a new TLR 5 Event Analysis report and procedure that was being developed. Stakeholders provided feedback and opinions on the details of the new report and procedure and expressed their appreciation of the effort made by the Reliability Task Force and the ICT to develop the report.

Users Group Update

SPP presented the Users Group report. SPP's quarterly on-site assessment occurred on May 17, 2011. SPP commented that Entergy had made significant progress in developing more efficient and reliable backup, archival, and retention procedures to address previously identified shortcomings. However, the new processes were not fully implemented at the time of the assessment so they could not be audited, but are expected to be in place for the next quarterly assessment. See section 9.

Load Pocket Analysis

As a follow-up to a stakeholder request from the May 16, 2011 SPC meeting, SPP presented a report on the Load Pocket Sensitivity analysis for WOTAB and ALP. The report found that Entergy has identified projects in their Construction Plan to address all of the overloads identified in this analysis and the majority of the G-1, N-1 overloads were present under N-1 conditions within the 10-year horizon. Therefore, the ICT found there was no need to perform additional load pocket sensitivities on ALP and WOTAB. At the meeting, Becky Turner of Entegra asked about the dispatch of generation under the N-1, G-1 studies that the ICT performs, particularly in Amite South. On August 4, 2011, SPP responded to the inquiry via email. See Attachment 4

EAI Preparations

SPP reported that it is working with Entergy in the process of preparing for the exit of EAI from the Entergy System Agreement and how that would impact the ICT's planning activities. At the meeting, stakeholders had several questions for Entergy representatives on the timing and specifics of Entergy's analysis.

8. Stakeholder Communication

As outlined in the ICT's first quarterly report, the stakeholder process developed protocols for communications between stakeholders and SPP. The protocols developed by the stakeholder process state that communications between stakeholders and SPP will be classified as either formal or informal. If stakeholders desire to have their positions noted and documented in regulatory reports, the communication must be formal and follow the guidelines for formal communication provided below. This procedure does not limit communications with SPP or regulatory bodies, but provides an operating procedure for sorting and designating communications.

Stakeholders may provide written positions at stakeholder and task force meetings and all written material will be considered a formal communication. Stakeholder communications on issues currently under consideration in the stakeholder process must be presented at stakeholder and task force meetings or through the established exploder protocols to be considered formal communications. Stakeholders may also provide written communication directly to SPP on issues that are not under consideration in the stakeholder process but are relevant to ongoing activities. The stakeholders must conspicuously mark the written communication as formal. Stakeholders may provide positions over e-mail to SPP management. E-mail messages must be identified as formal; otherwise, e-mail messages will be considered informal communications. All communications required to be posted pursuant to FERC regulations shall be sent to SPP as required and will be considered formal communications.

Stakeholders should be actively engaged in the SPC meetings and may also have representatives at the task force meetings. SPP may refer to positions taken during meetings in its FERC reports, but will consider this informal communication. A written follow-up to a position taken at a meeting will be required to identify a position as a formal communication. Periodic meetings will take place between SPP and stakeholders. These meetings will be considered informal unless a stakeholder requests in writing that the meeting be considered formal. All telephone calls will be considered informal communications.

In comments to prior reports, stakeholders have expressed concern that such reports only account for formal communications and do not adequately reflect the stakeholders' informal communications. While SPP continues to believe that the reporting of only "formal" communications is consistent with the communication procedures unanimously adopted prior to the start-up of the ICT operations, SPP agrees that stakeholders' informal communications should also be accounted for and tracked in the report. Accordingly, SPP proposed and implemented IssueTrak to manage these stakeholder communications. See section 7.2.

8.1 Formal Communications During the Current Reporting Period

8.1.1 On July 27, 2011, Becky Turner, on behalf of Entegra, sent a formal communication to SPP in regards to the Entergy Error Report filed on July 19, 2011. Specifically, Ms. Turner was inquiring about the PUPP generation. Subsequently, SPP confirmed receipt of Ms. Turner's inquiry and indicated that SPP and Entergy were corresponding on this matter. See Attachment 5. On August 5, 2011, SPP sent Ms. Turner the response received from Entergy regarding her inquiry. See Attachment 6.

On August 9, 2011, Ms. Turner sent a follow-up communication to SPP with regards to Entergy's response. See Attachment 5. On August 26, 2011 SPP sent Ms. Turner Entergy's response to her follow-up question. See Attachment 7. Also on August 26, 2011, SPP sent Ms. Turner a communication that the ICT had scheduled an internal meeting with Entergy and that the ICT will follow up with a position on Entergy's response. See Attachment 5. Since the scheduled meeting took place in September, that discussion will be included in the next ICT Quarterly Report.

9. Users Group and Data/Software Management

9.1 Overview

The ICT Approval Order (at paragraph 109) states “the Commission proposes that users of Entergy’s transmission and data systems form a Users Group to assess how the Entergy transmission and data (IT) systems are performing.” Pursuant to this directive from the Commission, the Users Group was formed under the SPC and addresses specific IT and data system issues as well as other issues brought forth by the SPC.

The actions of the Users Group will target Entergy’s transmission and data systems and assess how these systems are performing in the area of data access, quality, and data retention. In addition, the Users Group, either in conjunction with SPP or separately, will evaluate Entergy’s IT systems and IT resource allocations to measure their efficiency. If deemed necessary, recommendations for change will be addressed to the Commission in order to correct the accuracy of data received by Transmission Customers.

9.2 Assessment of Entergy’s AFC Backup Process

SPP met with Entergy to perform the quarterly on-site assessment of the Entergy AFC Backup Process on August 18, 2011. SPP plans to present its report to the Users Group in the fourth quarter of 2011. See Attachment 8.

Assessment Discussion: SPP examined the regular AFC and WPP data retention processes and Entergy’s efforts to improve and develop more efficient and reliable data backup, archival, and retention procedures discussed in the May 2011 assessment.

The specifics of the data requested and validated as part of the audit can be found in the attached report referenced above. During this assessment, SPP found that some of the weekly full backup processes were completed with delays. Entergy reported that the delays were due to read errors on the tapes, but all data was eventually backed up successfully. SPP reported that all sampled incremental backups were completed successfully.

In addition to the normal audit performed by SPP, Entergy performed a detailed gap analysis for items noted during the May assessment as well as issues that occurred during this reporting period. Entergy also identified the remediation steps it took for any identified issues. A detailed log of Entergy’s gap analysis is included as an attachment to the current assessment.

SPP examined sample dates for Entergy’s internal information vaulting system’s (IVS) online tape histories and confirmed that all sampled tapes were appropriately sent offsite.

SPP inspected the April 2011 archive backup and restoration logs and found that AFC data files were properly backed up to archive and test stored. An examination of the checksum process logs determined that all files archived for the month of April 2011 were successfully transferred from EMS to online file storage. Therefore, SPP confirmed that all AFC data was stored as required by Entergy policy and procedure.

As previously reported, Entergy has identified certain AFC data that were reaching end-of-life (i.e., older than five (5) years) and no longer needed to be retained. However, these data reside on archive tapes that also contain Historical Data Recorder (HDR) data that have a longer retention schedule (i.e., twenty-five (25) years). Entergy is continuing to work on a way to split the historical data and plans to replace the current archive system by May 2012.

Further, SPP and Entergy IT Staff reviewed and discussed the error reports that were filed last quarter, but were not part of the May assessment. In doing so, SPP was able to confirm that the corrective actions taken by Entergy should be adequate to resolve the identified problems. Moreover, no further issues related to these matters have been observed by SPP.

Finally, SPP and Entergy IT Staff reviewed and discussed the Lost, Inaccurate, or Mishandled Data submissions made by Entergy during this reporting period. These filings are discussed in more detail in section 9.3.2 below.

9.3 Data Accuracy and Management

Pursuant to the ICT Approval Order at paragraphs 110 and 304, SPP and Users Group are required to track and provide an annual report on certain metrics related to Entergy's software or data management errors that have resulted in lost, inaccurate, or mismanaged data. In anticipation of providing that information in its annual report, SPP is collecting data for each category identified in the ICT Approval Order. In addition, when problems are discovered, SPP and Users Group work with Entergy to improve the accuracy of data. Such issues may include, but are not limited to, AFC data availability and accuracy as well as various other customer concerns regarding transmission service availability, approvals, or denials.

During the current reporting period, SPP is not aware of any occurrences of lost AFC data. SPP, working with the stakeholders and Entergy, identified instances during the current reporting period which may have impacted the proper evaluation of TSRs due to inaccurate modeling assumptions or mismanaged data. Additional details concerning these incidents are provided in section 9.3.2 below.

In addition, the ICT Approval Order, at paragraph 110, established procedures SPP must follow for reporting complaints and errors related to Entergy's data systems. Under those procedures, SPP shall post any Transmission Customer complaints related to Entergy's data systems on OASIS within 24 hours of such complaint. In addition, SPP shall post on OASIS within 24 hours any notice received by Entergy that Entergy has discovered data has been lost, reported inaccurately, or mismanaged. Further, in the next scheduled report, SPP shall advise Interested Government Agencies whether Entergy has remedied the problem. In cases where Entergy has not remedied the problem, SPP is required to provide a timetable indicating when Entergy proposes to implement a remedy and SPP's views on the adequacy of the remedy. See section 9.3.2. Each filed data error report discussed in section 9.3.2 below was posted to Entergy's OASIS within 24 hours after filing.

9.3.1 Inaccurate Data

As of the date of this report, no instances of inaccurate data were known to SPP that had not already been reported as discussed in more detail in section 9.3.2.

9.3.2 Filed Data Error Reports

9.3.2.1 June 8, 2011, Docket No. ER05-1065-000: Report of AFC Related Error.

EMS Network Model

On May 25, 2011, SPP notified Entergy that a new transformer at the McAdams substation was showing online in the AFC models, but was offline in the real-time system. Upon investigation, Entergy determined that the error was caused by an incorrect definition for the substation in the EMS Network models. Entergy stated that the error was introduced on May 24, 2011, and was corrected on May 25, 2011.

Entergy reported that the error may have resulted in incorrect AFC values and affected the processing of TSRs in the Operating and Planning Horizons. However, Entergy stated that it was not technically feasible to determine the specific impact to TSRs during this period. See Attachment 9.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the corrective action taken by Entergy should resolve the problem. No further issue related to this matter has been observed by SPP.

Incorrect TTC Rating

On June 1, 2011, SPP notified Entergy that the Total Transfer Capacity (TTC) rating for a flowgate on the EMS production system was incorrect in the Operating and Planning Horizons. Upon investigation, Entergy determined the incorrect TTC rating was due to a

manual input error in the RFCalc savecase on May 26, 2011. Entergy corrected the TTC rating for the flowgate on June 1, 2011.

Entergy reported that the error may have affected the processing of TSRs in the Operating and Planning Horizons, but it was not technically possible to determine the exact market impact of this error. See Attachment 9.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the corrective action taken by Entergy should resolve the problem. No further issue related to this matter has been observed by SPP.

9.3.2.2 *July 6, 2011, Docket No. ER05-1065-000: Report of AFC Related Error.*

Flowgate Definition

On June 22, 2011, Entergy discovered that the definition for one flowgate was incorrect in the AFC model. Entergy reported that this error resulted in an inaccurate Line Outage Distribution Factor (LODF) flow for that flowgate in RFCalc. Entergy determined that this error was introduced on March 10, 2011, during the annual review of flowgates and was corrected on June 22, 2011.

Entergy reported that this error may have resulted in incorrect AFC values for this flowgate only. As a result, TSRs processed during the time of this error that had this flowgate as one of the top fifteen most limiting flowgates may have had service incorrectly granted. Entergy stated it was not technically possible to determine the exact market impact of this error. See Attachment 10.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the corrective action taken by Entergy should resolve the problem. No further issue related to this matter has been observed by SPP.

9.3.2.3 *July 13, 2011, Docket No. ER05-1065-000: Report of AFC Related Error.*

Generator Limits

On June 29, 2011, SPP notified Entergy of an anomaly in the RFCalc Lite output files. Upon investigation, Entergy determined that the total maximum MW capacity for the Cottonwood plant was defined in the Network Model used in AFC calculations as 38 MWs lower than the flowgate limit for the proxy flowgate. Entergy stated this error was introduced on June 3, 2011, when the model was updated to reflect a change in

ownership of the plant. Entergy corrected the error in the Network Model on June 30, 2011.

Entergy reported that the error could have impacted reservations originating from the Cottonwood plant if the total of the reservation exceeded the total maximum MW capacity of the plant defined in the Network Model. Entergy determined, however, that there were no such reservations during the period of the error, and therefore, there was no impact to customers, the AFC values, TSRs or posted AFC data.

Entergy also reported that it is reviewing the generation limits in RFCalc used in modeling AFCs. Entergy committed to report to the Commission if any further discrepancies are identified. See Attachment 11.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the corrective action taken by Entergy should resolve the problem. No further issue related to this matter has been observed by SPP.

9.3.2.4 July 19, 2011, Docket No. ER05-1065-000: Report of AFC Related Error.

Incorrect Generator Modeling

On July 5, 2011, SPP notified Entergy that the RFCalc Lite output files did not include Union Power generators on the list of available sources. Upon investigation, Entergy determined that the EMS Network Model incorrectly listed the generators in the Entegra Power Group LLC (PUPP) as IPPs. This caused RFCalc to turn the PUPP generators to “OFF” AGC, when, in fact, the source definition for the PUPP control area in the RFCalc process is defined as a set of generators which are “ON” AGC. Entergy stated this error was introduced into the Network Model on July 5, 2011, and was corrected on July 6, 2011.

Entergy reported that due to this error no AGC generators were found for the PUPP source, and therefore, RFCalc was unable to model any reservations or schedules on PUPP in the Operating and Planning Horizons of the AFC process. Entergy stated it was not technically possible to determine the exact market impact of this error. See Attachment 12.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the corrective action taken by Entergy should resolve the problem. No further issue related to this matter has been observed by SPP.

Generator Dispatch

On July 7, 2011, SPP notified Entergy about a concern with the dispatch of the Union Power generators in the daily peak models for July 16, 2011. Upon investigation, Entergy determined that a software issue caused the area interchange control for PUPP to be turned off inadvertently in RFCalc. As a result, the PUPP generators were being dispatched differently from the expected dispatch computed using reservations and schedules. Entergy reported that this error may have been introduced on May 30, 2007, when a new version of the RFCalc software was put into production. Entergy put a manual work around in place on July 7, 2011. A permanent software fix was tested and put in production on August 11, 2011.

Entergy reported that the software error in RFCalc may have impacted the flows used for AFC calculations and affected the processing of TSRs in the Operating and Planning Horizons. However, Entergy stated that it was not technically feasible to determine the specific impact to TSRs during this period. See Attachment 12.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the implemented software fix should resolve the problem. No further issue related to this matter has been observed by SPP.

EMS Network Model

In August 2010, Entergy filed an error report that twelve (12) breakers had been incorrectly modeled in the EMS Network Model. Entergy also reported that it was establishing a baseline and annual review process to look at its normally open breakers in order to determine if they are being correctly modeled.

Entergy reported that the baseline was completed in January 2011 and its review identified twenty-one (21) transmission devices that needed correction in the model. Those corrections were completed by June 2011. Entergy stated that it was not technically feasible to determine the exact impact the errors may have had on AFC calculations. See Attachment 12.

SPP reviewed this issue with Entergy during the audit completed on August 18, 2011. SPP has confirmed that the corrective action taken by Entergy should resolve the problem. No further issue related to this matter has been observed by SPP.

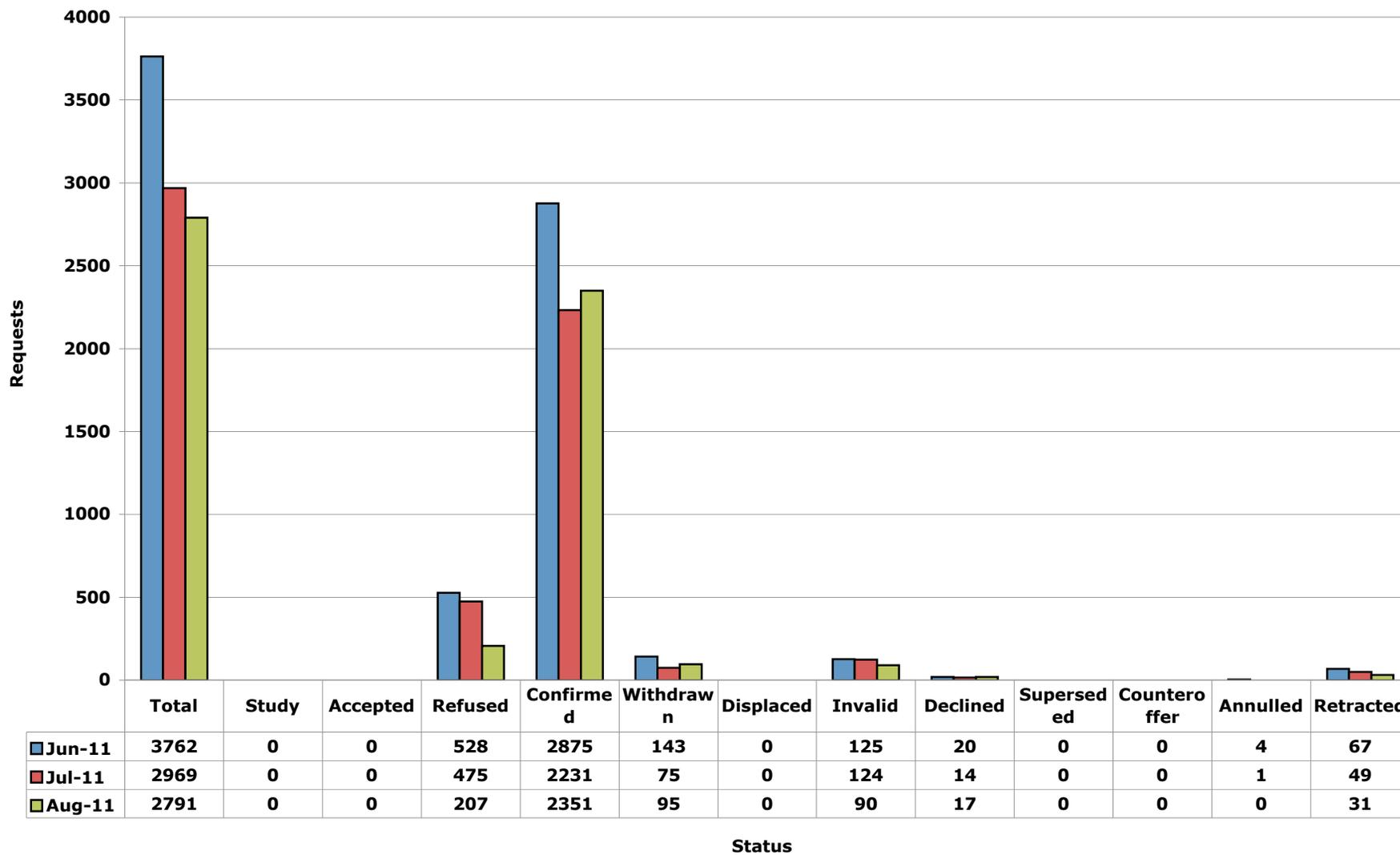
9.4 Modeling Assumptions Log

As discussed in section 8, SPP has established a formal communication procedure for a stakeholder to raise any issue or make a reasonable request. Under this procedure, a stakeholder must either provide a written request to SPP or provide a written request to one of the stakeholder e-mail exploder lists. SPP has discussed the process for formal communication in multiple stakeholder committee and working group meetings and has highlighted the adopted procedure in these meetings.

During the current reporting period, SPP received no formal requests to make a specific change in modeling assumptions. However, numerous policy-related assumptions continue to be considered by the various SPC task forces referenced in section 7.

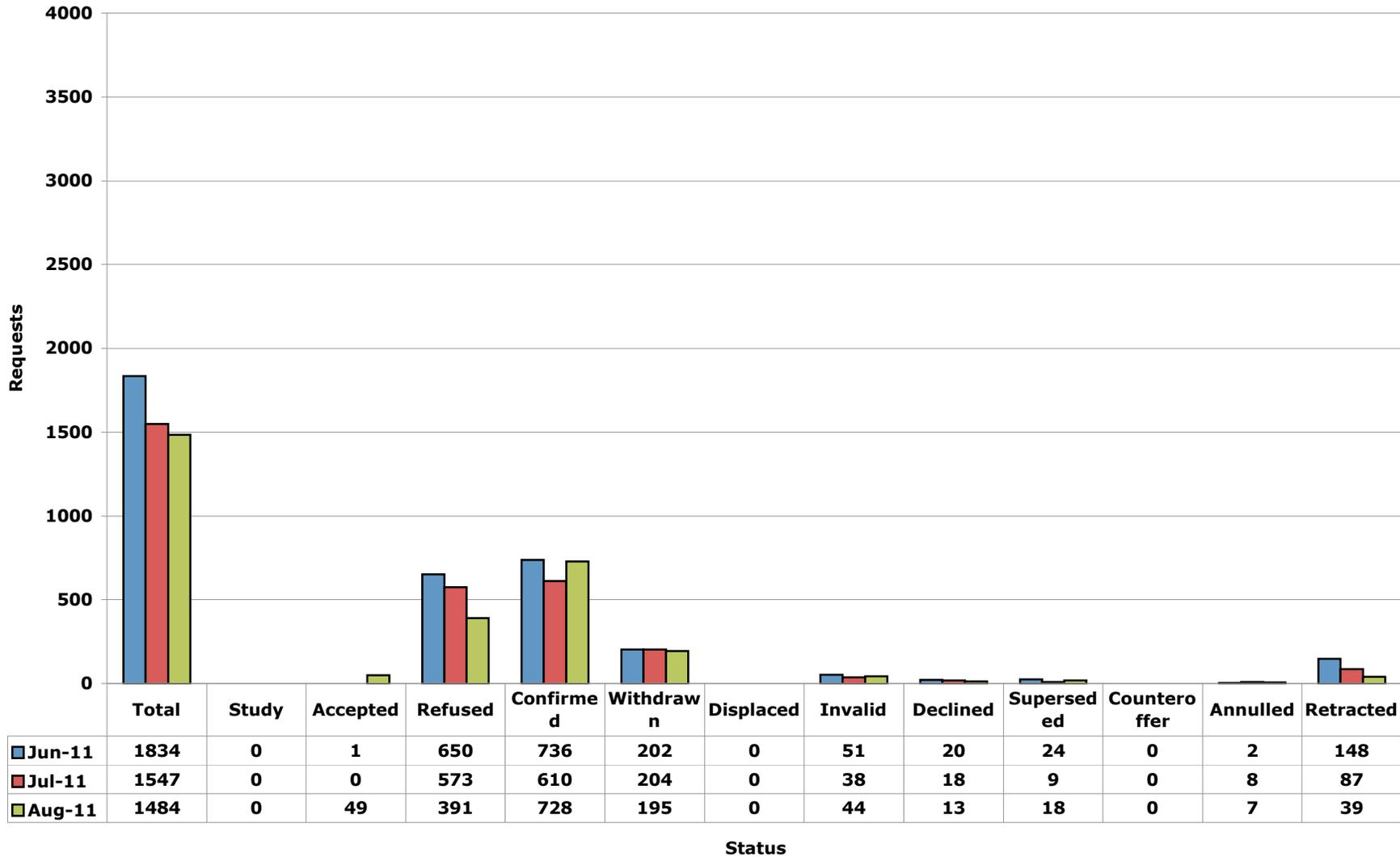
Attachment 1

Request Comparison - Hourly Requests ICT - June 1, 2011 - August 31, 2011

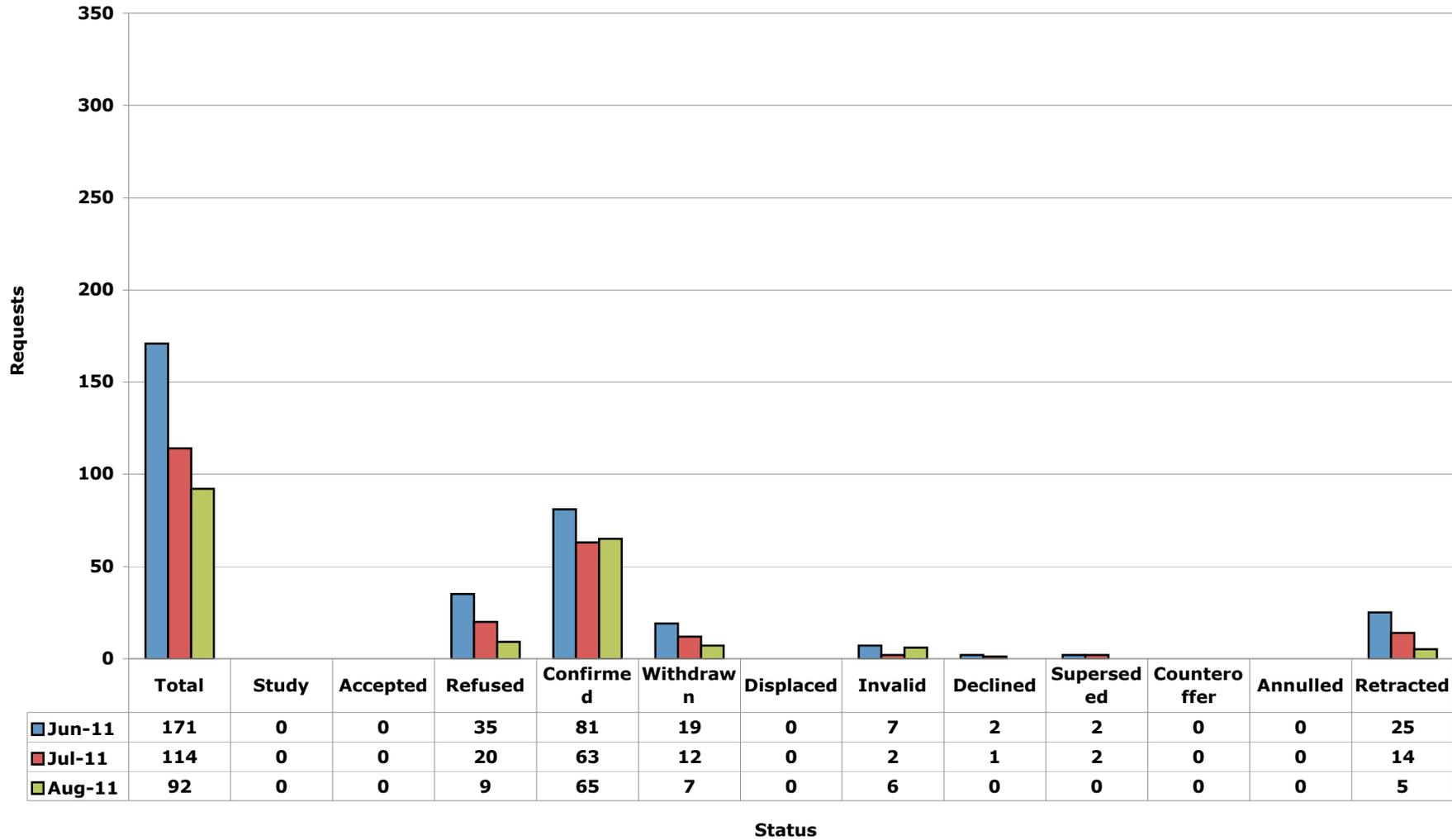


Status

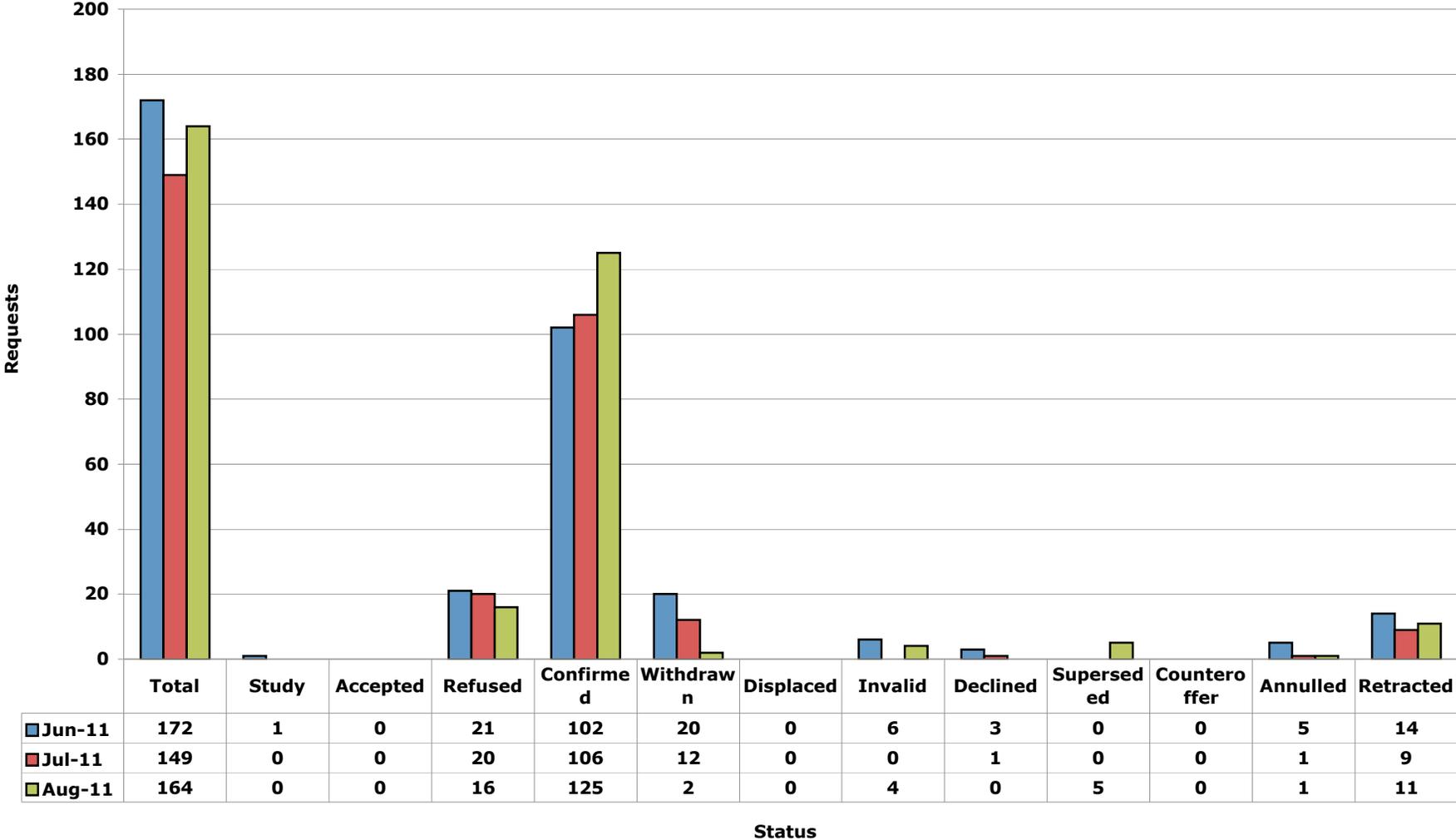
Request Comparison - Daily Requests ICT - June 1, 2011 - August 31, 2011



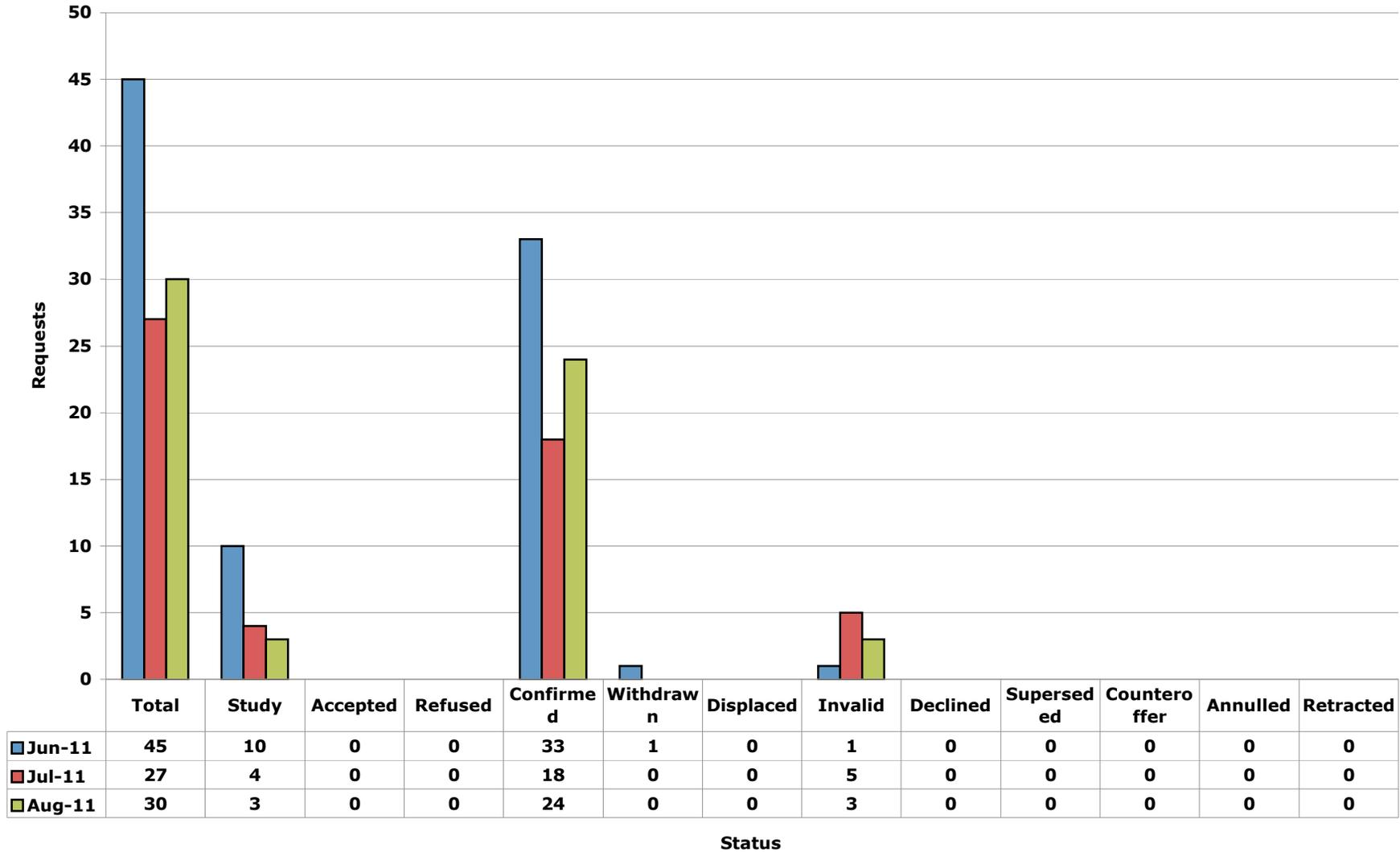
Request Comparison - Weekly Requests ICT - June 1, 2011 - August 31, 2011



Request Comparison - Monthly Requests ICT - June 1, 2011 - August 31, 2011

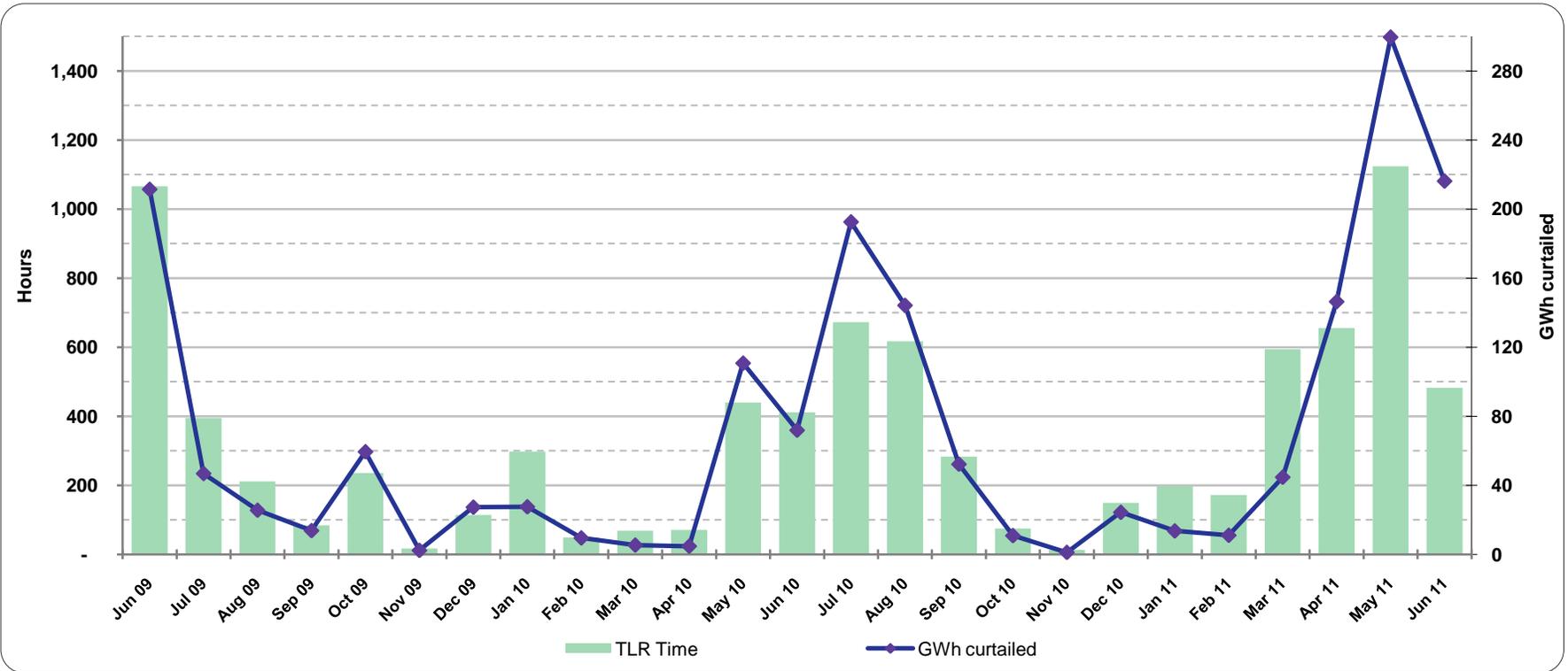


Request Comparison - Yearly Requests ICT - June 1, 2011 - August 31, 2011



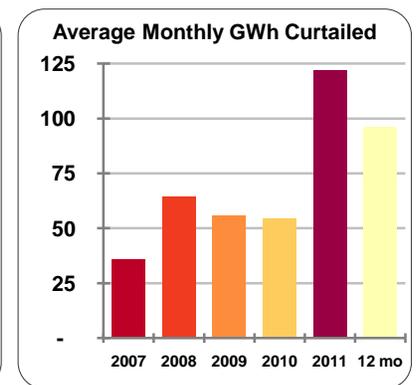
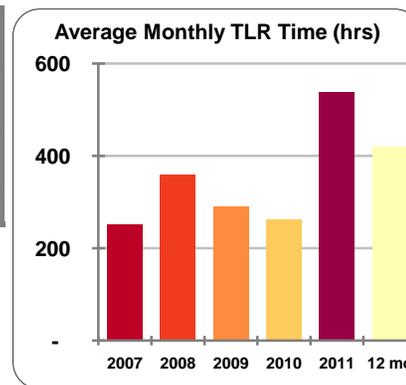
Attachment 2

1a. Congestion - TLR Time and Curtailments

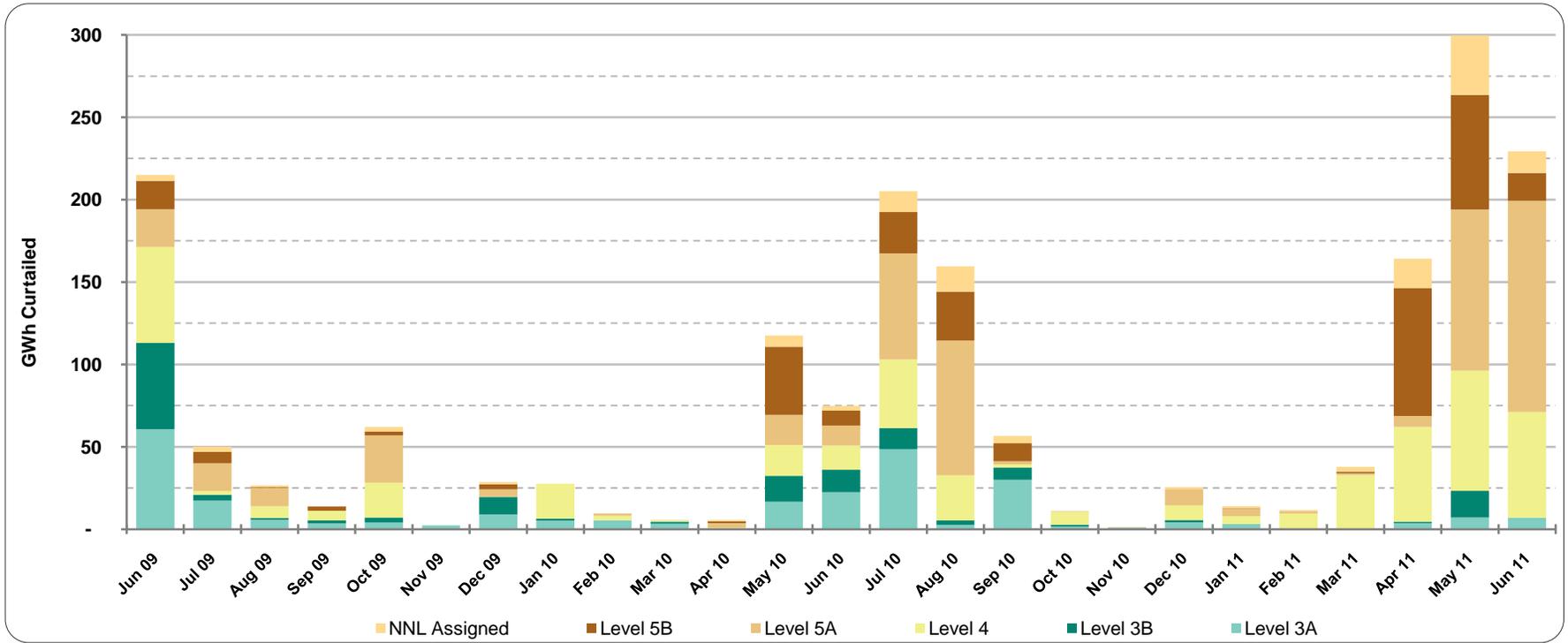


	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
TLR Time (hours)	411	672	617	283	75	13	149	198	172	594	655	1,124	482
GWh curtailed	71.9	192.5	144.2	52.2	10.9	1.2	24.4	13.6	11.1	44.7	146.3	299.5	216.1

	2007	2008	2009	2010	2011	last 12 months
TLR Time (hours)	252	359	291	262	538	420
GWh curtailed	36	65	56	55	122	96
Monthly Average						



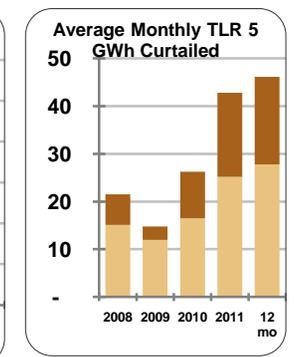
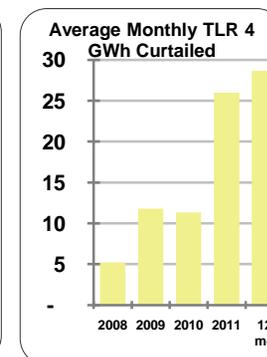
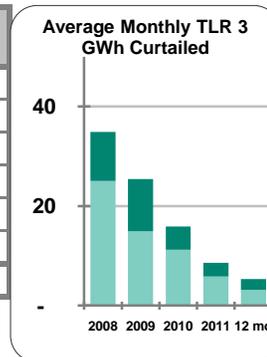
1b. Congestion - by TLR Level (GWh)



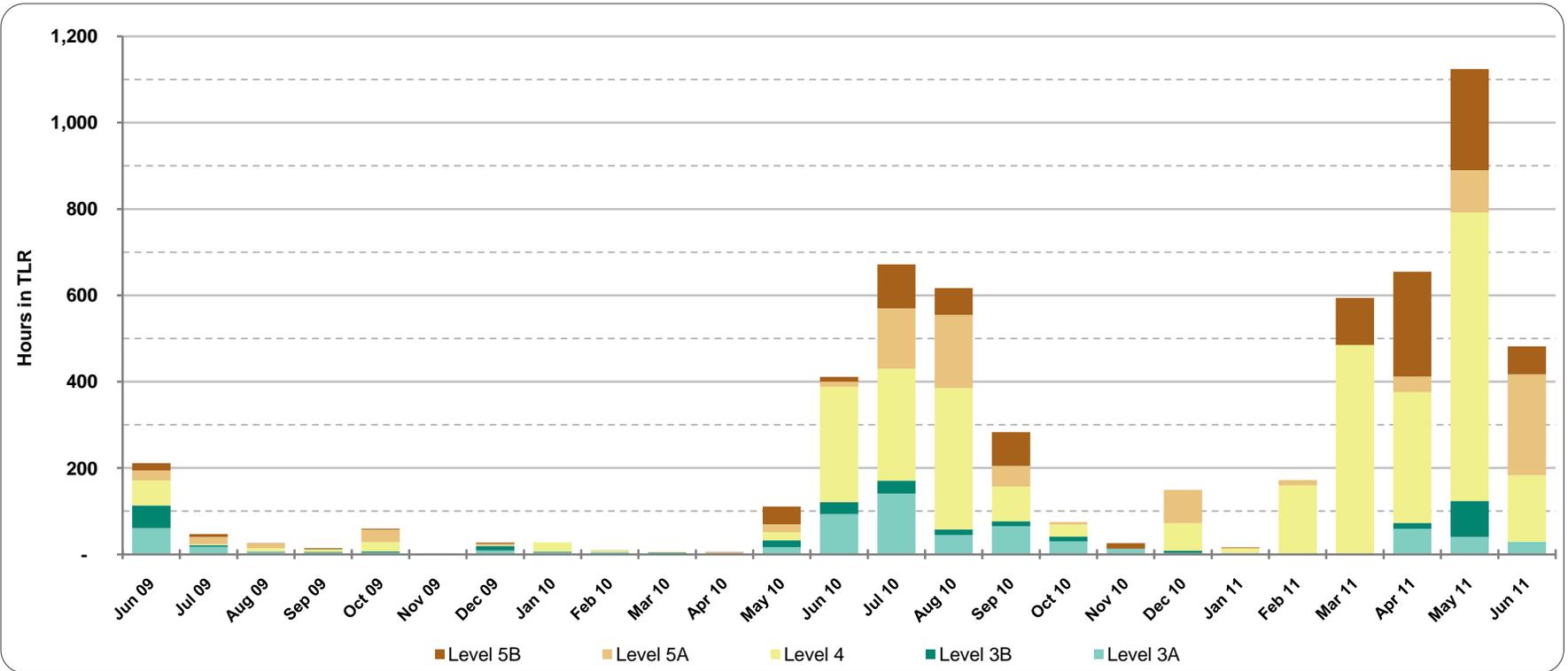
<i>in GWh</i>	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
Level 3A	22.5	48.6	2.7	30.0	1.7	1.0	4.2	3.3	0.0	0.0	3.7	7.2	7.1
Level 3B	13.6	12.7	2.7	7.5	1.0	0.0	1.4	0.0	0.5	0.0	0.8	16.2	0.0
Level 4	14.8	41.7	27.3	1.8	7.8	0.0	9.0	4.7	9.0	33.0	57.6	72.8	64.0
Level 5A	12.0	64.3	81.6	1.8	0.3	0.1	9.8	4.7	1.5	1.0	6.7	97.9	128.2
Level 5B	9.1	25.2	29.7	11.0	0.0	0.0	0.0	0.1	0.0	1.0	77.6	69.5	16.9
NNL Assigned	2.9	12.6	15.3	4.4	0.0	0.0	1.2	1.2	0.6	2.8	17.8	36.0	13.2

<i>in GWh</i>	2007	2008	2009	2010	2011	last 12 months
Level 3A	15.7	25.1	14.9	11.2	5.8	3.1
Level 3B	9.1	9.8	10.5	4.7	2.7	2.2
Level 4	7.3	5.2	11.8	11.3	26.0	28.6
Level 5A	8.3	15.1	11.9	16.5	25.2	27.8
Level 5B	1.5	6.4	2.8	9.8	17.6	18.3
NNL Assigned	-	2.4	1.5	3.8	7.7	8.1

Monthly Average

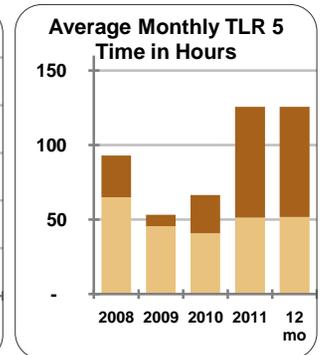
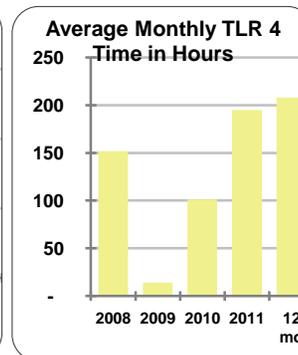
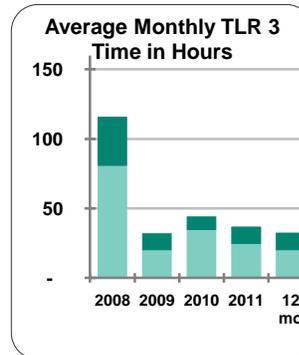


1c. Congestion - by TLR Level (Hours)



<i>in Hours</i>	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
Level 3A	93	141	45	65	30	13	3	3	-	-	59	40	29
Level 3B	28	30	13	12	11	-	5	-	2	-	14	84	-
Level 4	267	259	327	80	28	-	64	10	158	485	303	668	154
Level 5A	12	140	170	48	6	-	77	2	12	-	36	98	234
Level 5B	11	102	62	78	-	13	-	1	-	109	243	234	65

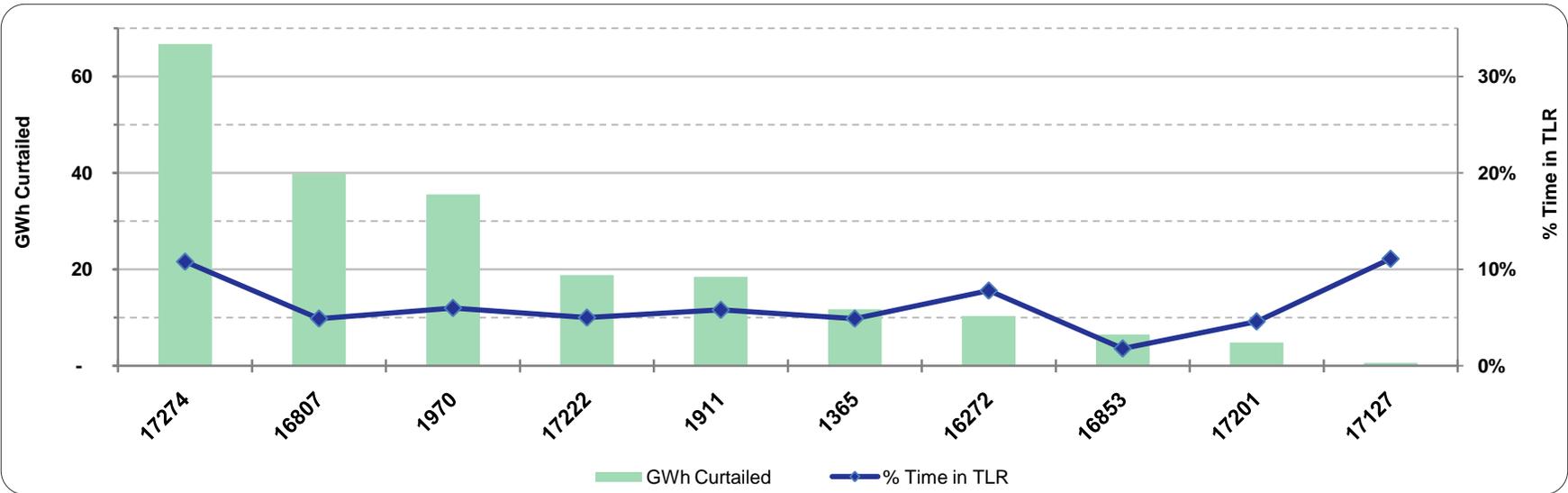
<i>in Hours</i>	2008	2009	2010	2011	last 12 months
Level 3A	80.3	19.6	34.4	24.2	19.7
Level 3B	35.6	12.3	9.8	12.8	12.9
Level 4	152.0	14.2	101.1	195.0	207.8
Level 5A	65.0	45.5	40.7	51.3	51.7
Level 5B	28.0	7.6	25.8	74.3	73.9
Monthly Average					



Note: SPP ICT TLR data is captured based on the highest TLR level per event, not the actual level for each hour of an event.

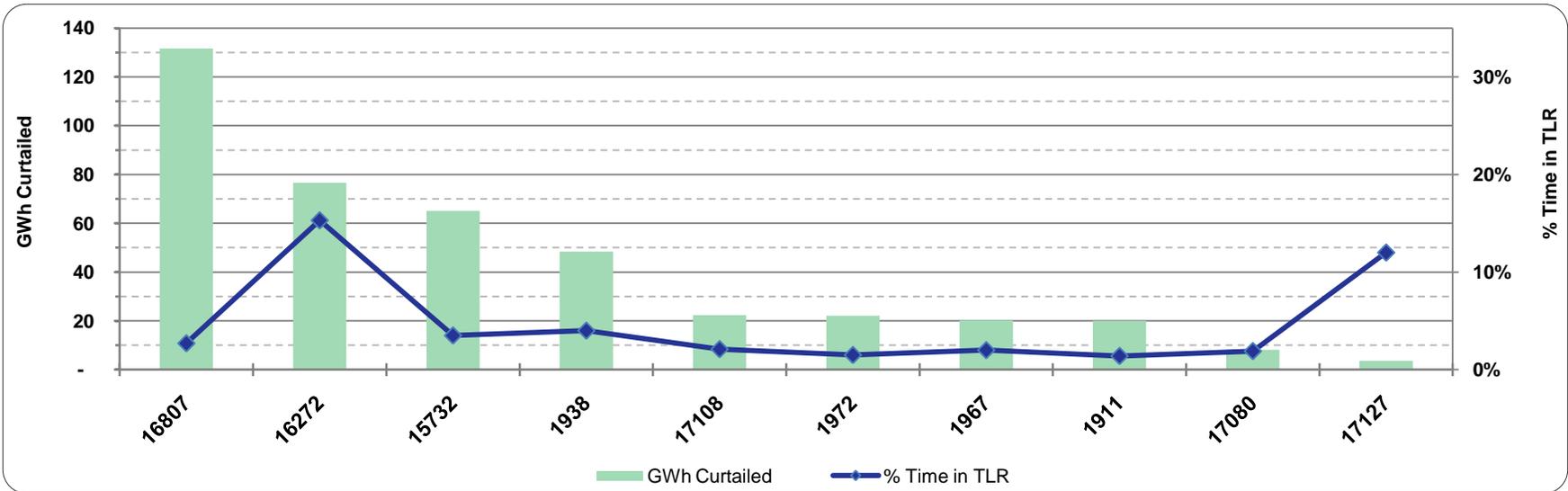
1f. Congestion - by Flowgate

June 2011



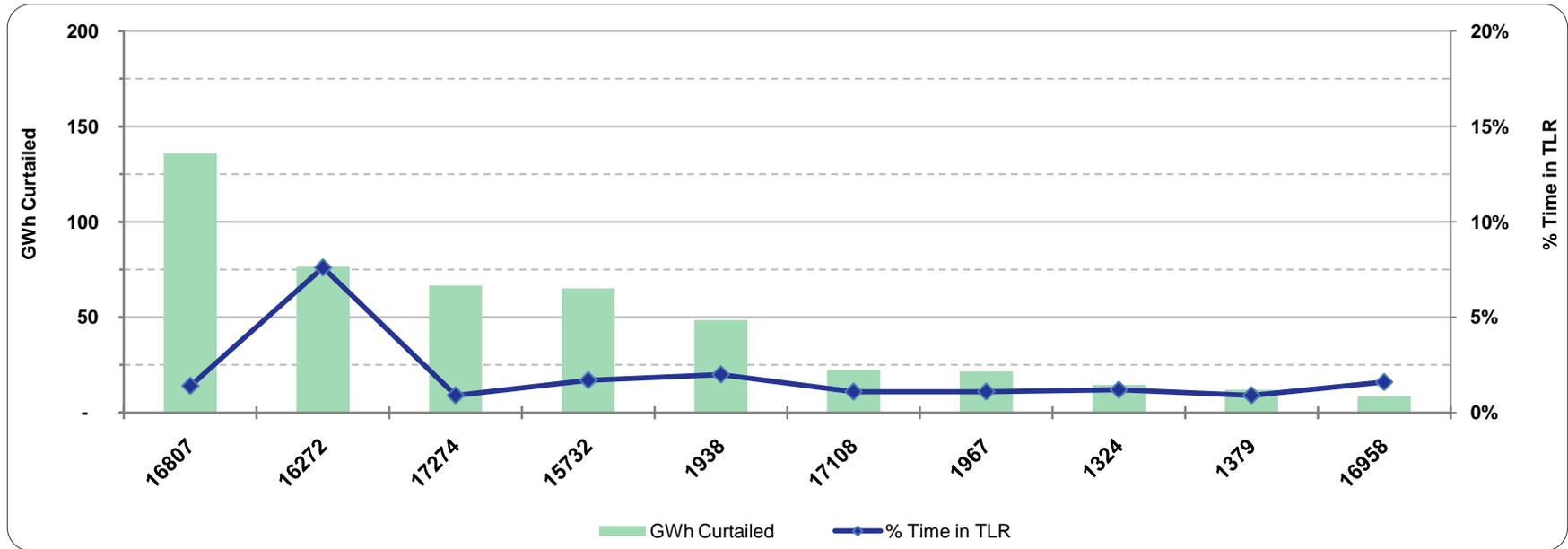
Flowgate ID	Flowgate Location (kV)	State	GWh Curtailed	% Time in TLR	Proposed Solution [estimated completion date]
17274	West Memphis AT1 161/500 kV ftlo SanSouci-Shelby 500 kV	Arkansas	66.7	10.8%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
16807	Dell - San Souci 500 kV	Arkansas	39.8	4.9%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
1970	W Memphis-Birmingham Steel 500 kV ftlo SanSouci-Shelby 500 kV	Arkansas	35.5	6.0%	West Memphis 500 kV substation terminal equipment upgrades [economic upgrade] (spring 2011)
17222	Vienna-RustonE 115 kV ftlo Eldorado-Sterlington 500 kV	Arkansas/ Louisiana	18.8	5.0%	No project identified.
1911	Hartburg-Inland Orange 230 kV for the loss of Hartburg-Cypress 500 kV	Texas	18.5	5.8%	Hartburg to Inland to McLewis Upgrade (2011)
1365	West Memphis - Birmingham Steel 500k V ftlo Dell - Sans Souci 500 kV	Arkansas	11.7	4.9%	West Memphis 500 kV substation terminal equipment upgrades [economic upgrade] (spring 2011)
16272	Nelson AT1 500/230 kV ftlo Hartburg - Cypress 500 kV	Louisiana/Texas	10.3	7.8%	Operational issue that resulted from unit outage scheduling; No specific project proposed
16853	W. Memphis Xfmr 500/161 kV ftlo Keo-ISES 500 kV	Arkansas	6.5	1.8%	Due to jointly planned 500 kV outage on the West Memphis (EAI) - Birmingham Steel (TVA) line for upgrades
17201	Osceola-Wilson 161 kV ftlo Sans Souci-Shelby 500kV	Arkansas	4.9	4.6%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
17127	Bull Shoals - Midway 161 kV ftlo Bull Shoals - Buford 161 kV	Arkansas	0.6	11.1%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.

1f. Congestion - by Flowgate (2011 year-to-date)



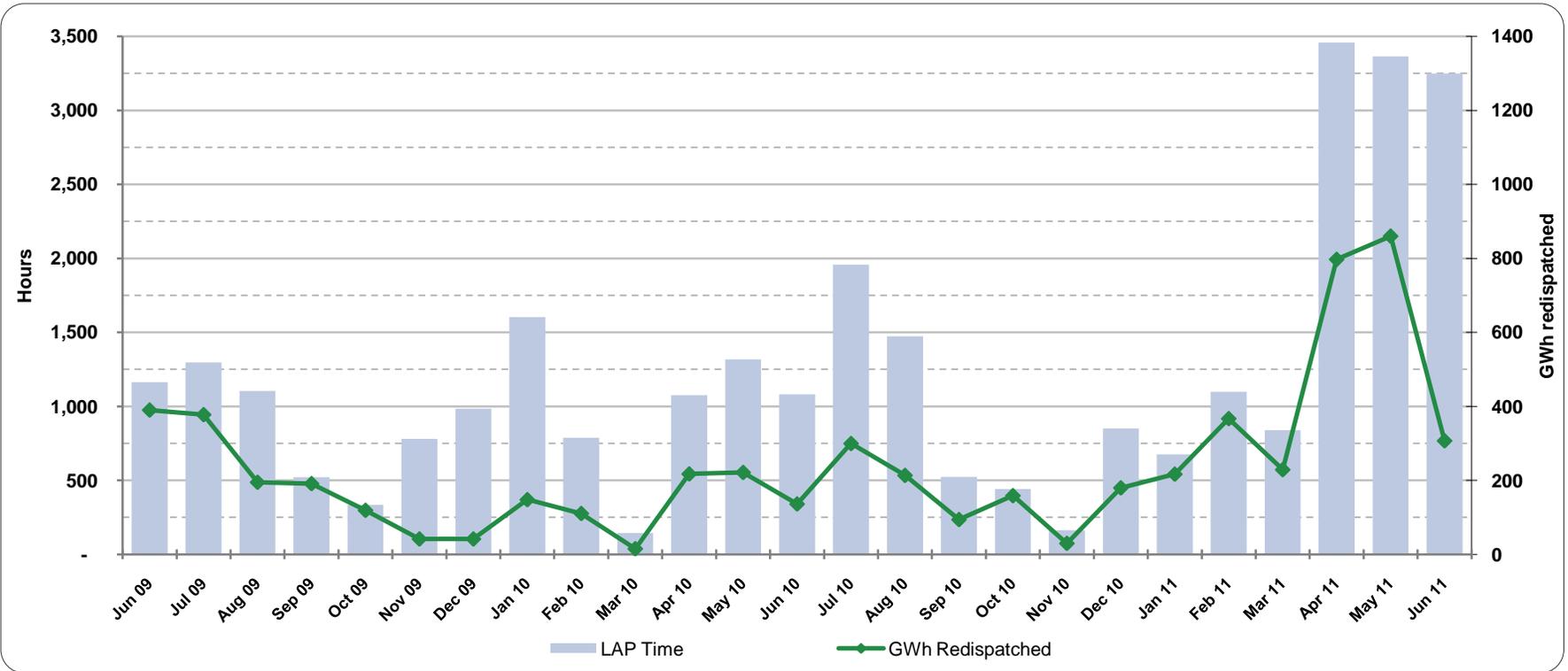
Flowgate ID	Flowgate Location (kV)	State	GWh Curtailed	% Time in TLR	Proposed Solution [estimated completion date]
16807	Dell - San Souci 500 kV	Arkansas	131.7	2.7%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
16272	Nelson AT1 500/230 (ftlo) Hartburg - Cypress 500 kV	Louisiana/Texas	76.5	15.3%	Operational issue that resulted from unit outage scheduling; No specific project proposed
15732	Willow Glen 500/230 AT2 flo Willow Glen-Waterford 500 kV	Louisiana	65.1	3.5%	Transformer out of service. Solution: Bayou Laboutte Project (2011 Winter)
1938	Sheridan-El Dorado 500 kV ftlo Etta-McNeil 500 kV	Arkansas	48.5	4.0%	Sheridan South Economic Project (2012)
17108	ANO - Mabelvale 500 kV	Arkansas	22.3	2.1%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
1972	Webre-Willow Glen 500 kv ftlo Big Cajun-Fancy 500kv	Louisiana	22.1	1.5%	"Willow Glen –Webre 500 kV Line: Replace/change line relay CTs / ratio at Willow Glen (Winter 2011)Webre Sub: terminal equipment upgrade part of Bayou LaBoutte project (Winter 2011)"
1967	Arkansas (ANO) - Pleasant Hills 500 kV ftlo Arkansas - Mabelvale 500 kv	Arkansas	20.2	2.0%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
1911	Hartburg-Inland Orange 230 kV ftlo Hartburg-Cypress 500 kV	Texas	20.0	1.4%	Hartburg to Inland to McLewis Upgrade (2011)
17080	ISES AT2 ftlo ISES - Dell	Arkansas	8.2	1.9%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
17127	Bull Shoals - Midway 161 kV ftlo Bull Shoals - Buford 161 kV	Arkansas	3.6	12.0%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.

1f. Congestion - by Flowgate (12 months ending June 2011)



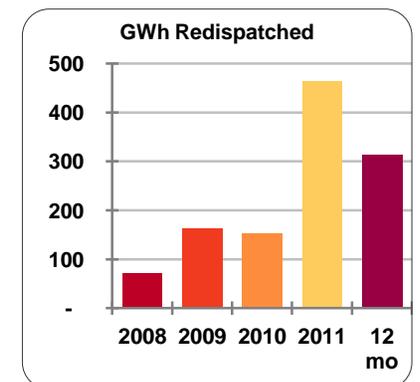
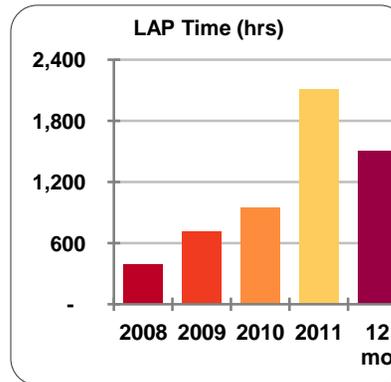
Flowgate ID	Flowgate Location (kV)	State	GWh Curtailed	% Time in TLR	Proposed Solution [estimated completion date]
16807	Dell - San Souci 500kv	Arkansas	135.8	1.4%	Upgrade terminal equipment (Spring 2011)
16272	Nelson AT1 500/230 ftlo Hartburg - Cypress 500kV	Louisiana/Texas	76.5	7.6%	Operational issue that resulted from unit outage scheduling; No specific project proposed
17274	West Memphis AT1 161/500 kV ftlo SanSouci-Shelby 500 kV	Arkansas	66.7	0.9%	West Memphis 500 kV substation terminal equipment upgrades [economic upgrade] (spring 2011)
15732	Willow Glen 500/230 AT2 flo Willow Glen-Waterford 500 kV	Louisiana	65.1	1.7%	Bayou Laboutte Project (2011 Winter)
1938	Sheridan-El Dorado 500 kV ftlo Etta-McNeil 500 kV	Arkansas	48.5	2.0%	Sheridan South Economic Project (2012)
17108	ANO - Mabelvale 500kV	Arkansas	22.3	1.1%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
1967	Arkansas (ANO) - Pleasant Hills 500 kv ftlo Arkansas - Mabelvale 500 kv	Arkansas	21.6	1.1%	Number of outages in Arkansas due to tornado-producing storms. All lines repaired. No projects planned.
1324	White Bluff - Sheridan 500kV ftlo Mabelvale - Sheridan 500kV	Arkansas	14.6	1.2%	Sheridan South Economic Project (2012)
1379	Grimes - Mt. Zion 138 kV ftlo Grimes - Walden 138 kV	Texas	12.1	0.9%	Upgrade Grimes to Mt. Zion (2017)
16958	Van Ply - Toledo Bend 138 kV ftlo Crockett - Grimes 345 kV	Texas	8.6	1.6%	Upgrade CT at Toledo Bend. (Winter 2011)

1a. Congestion - LAP Time and Redispatch

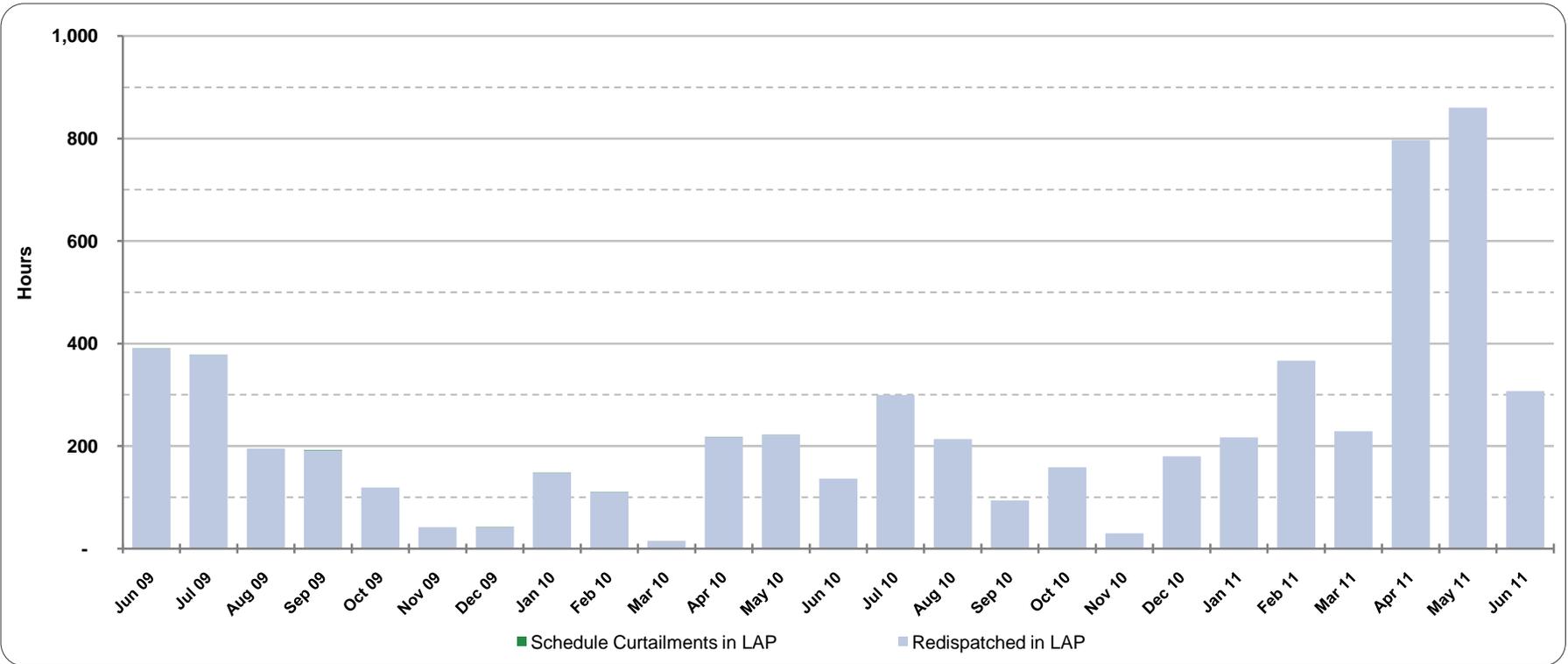


	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
LAP Time (hours)	1,082	1,957	1,473	523	441	163	851	675	1,099	840	3,459	3,365	3,249
GWh redispatched	136	300	214	94	159	30	180	217	367	229	797	860	307

	2008	2009	2010	2011	last 12 months
LAP Time (hours)	398	714	952	2,115	1,508
GWh redispatched	72	163	152	463	313
Monthly Average					

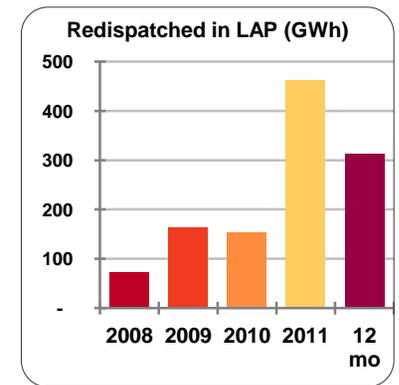
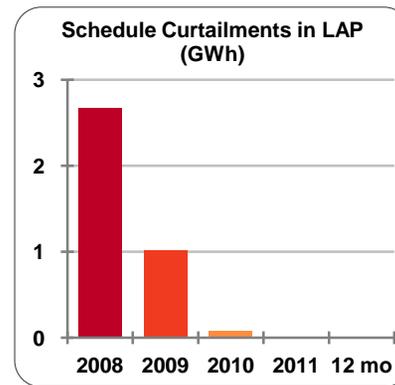


1b. Congestion - LAP Redispatch and Schedule Curtailments

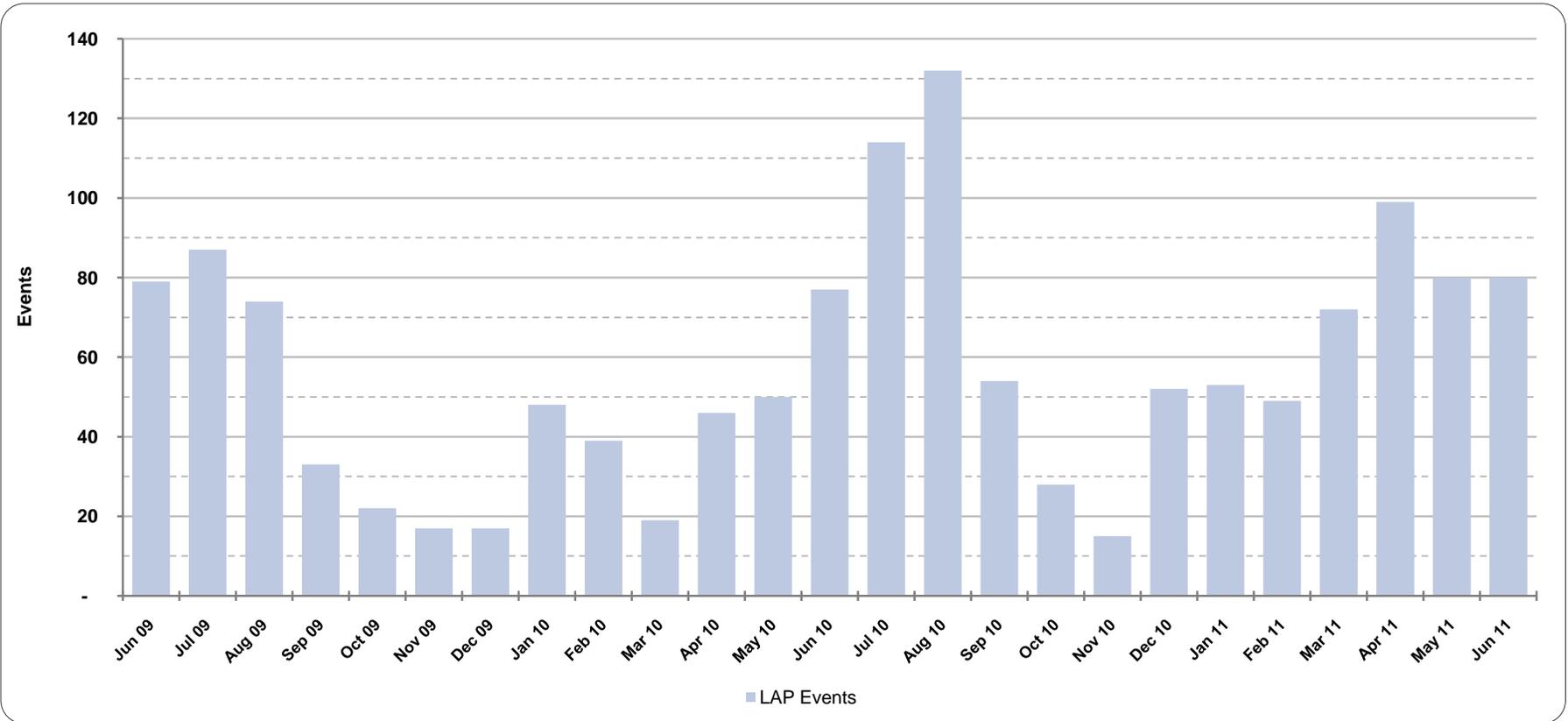


<i>in GWh</i>	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
Schedule Curtailments in LAP	-	-	-	-	-	-	-	-	-	-	-	-	-
Redispatched in LAP	136.2	299.6	213.5	94.1	158.7	29.8	179.8	216.9	366.8	228.9	797.3	860.0	307.0

<i>in GWh</i>	2008	2009	2010	2011	last 12 months
Schedule Curtailments in LAP	2.7	1.0	0.1	-	-
Redispatched in LAP	72	163	152	463	313
Monthly Average					

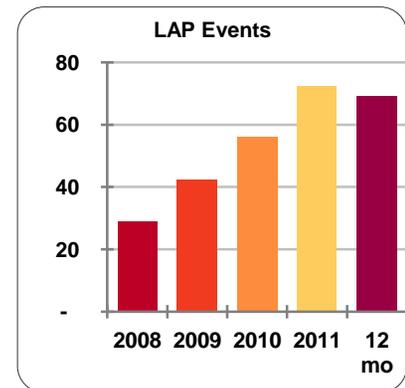


1c. Congestion - LAP Events

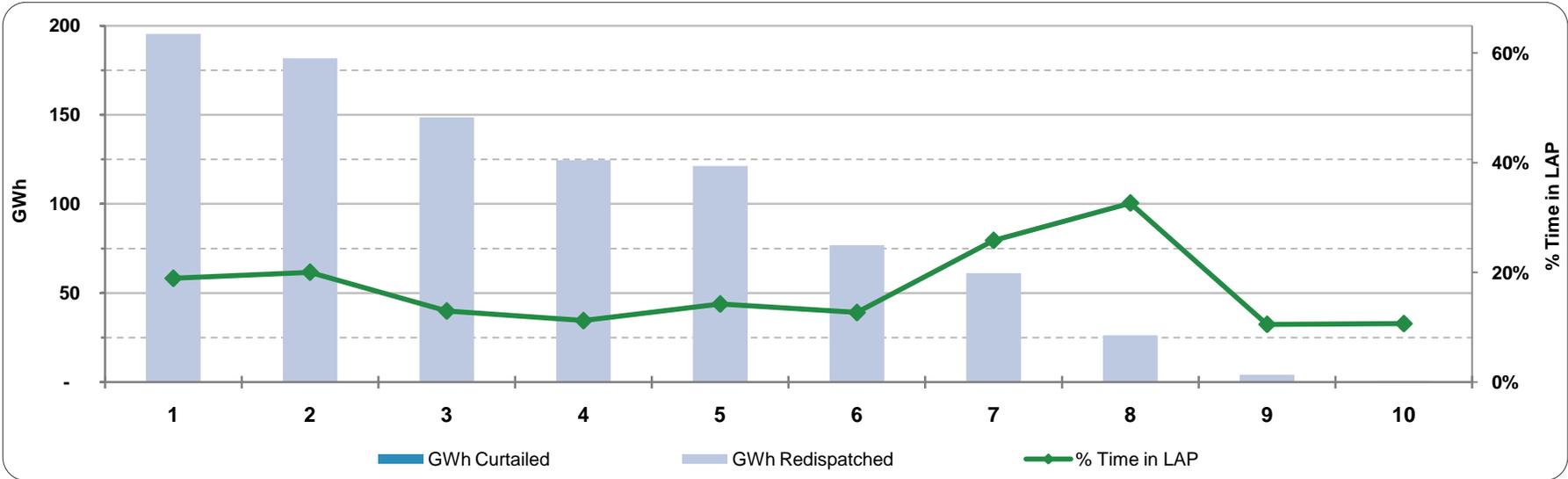


	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
LAP Events	77	114	132	54	28	15	52	53	49	72	99	80	80

	2008	2009	2010	2011	last 12 months
LAP Events	29	42	56	72	69
Monthly Average					



1f. Congestion - by Flowgate (LAP) - 2011



Rank	Flowgate Location (kV)	State	% Time in LAP	GWh Redispatched	GWh Schedules Curtailed	Proposed Solution [estimated completion date]
1	LR Pinnacle - LR Walton Heights 115 kV FTLO ANO - Mabelvale 500 kV	Arkansas	18.9%	195.4	0.0	Holland Bottoms (12/31/2011)
2	Bailey - Shoffner 161 kV FTLO Independence - Dell 500 kV	Arkansas	20.0%	181.7	0.0	No specific project proposed. LAP resulted from unplanned outage of the West Memphis to Keo 500 kV line.
3	Sterlington - Oak Ridge 115 kV FTLO Perryville - Baxter Wilson 500 kV	Louisiana	13.0%	148.6	0.0	Projects: NELA Improvement Project Phase 1: Construct new Swartz to Oakridge 115 kV line (Winter 2012); NELA Improvement Project Phase 2: Construct new Oakridge to Dunn 115 kV line (Summer 2013)
4	Willow Glen AT2 500 / 230 kV FTLO Fancy Auto 500/230 500 / 230 kV	Louisiana	11.2%	124.6	0.0	Bayou LaBoutte Project (2011 Winter)
5	Webre - Willow Glen 500 kV FTLO Big Cajun - Fancy Point 500 kV	Louisiana	14.3%	121.2	0.0	Willow Glen - Webre 500 kV Line: Replace/change line relay CTs / ratio at Willow Glen (Winter 2011)
6	Grimes - Mt. Zion 138 kV FTLO Grimes - Bentwater 138 kV	Texas	12.7%	76.8	0.0	Upgrade Grimes - Mt. Zion (2017)
7	Addis - Tiger 230 kV FTLO Dow Meter - Air Liquid 230 kV	Louisiana	25.8%	61.2	0.0	No specific project proposed. Generation redispatch to address QF put.
8	Redgum - Natchez 115 kV FTLO Plantation - Vidalia 115 kV	Louisiana / Mississippi	32.6%	26.3	0.0	Utilize operating guide for capacitor bank utilization in the Plantation/Red Gum/ Natchez areas to help minimize reactive power flows on Natchez to Redgum line.
9	Redgum - Natchez SES 115 kV FTLO Plantation - Vidalia 115 kV	Louisiana / Mississippi	10.6%	4.1	0.0	No specific project proposed.
10	Plantation - South Ferriday 115 kV FTLO Plantation - Vidalia 115 kV	Louisiana	10.7%	0.5	0.0	No specific project proposed.

1f. Congestion - by Flowgate (LAP) - 2010



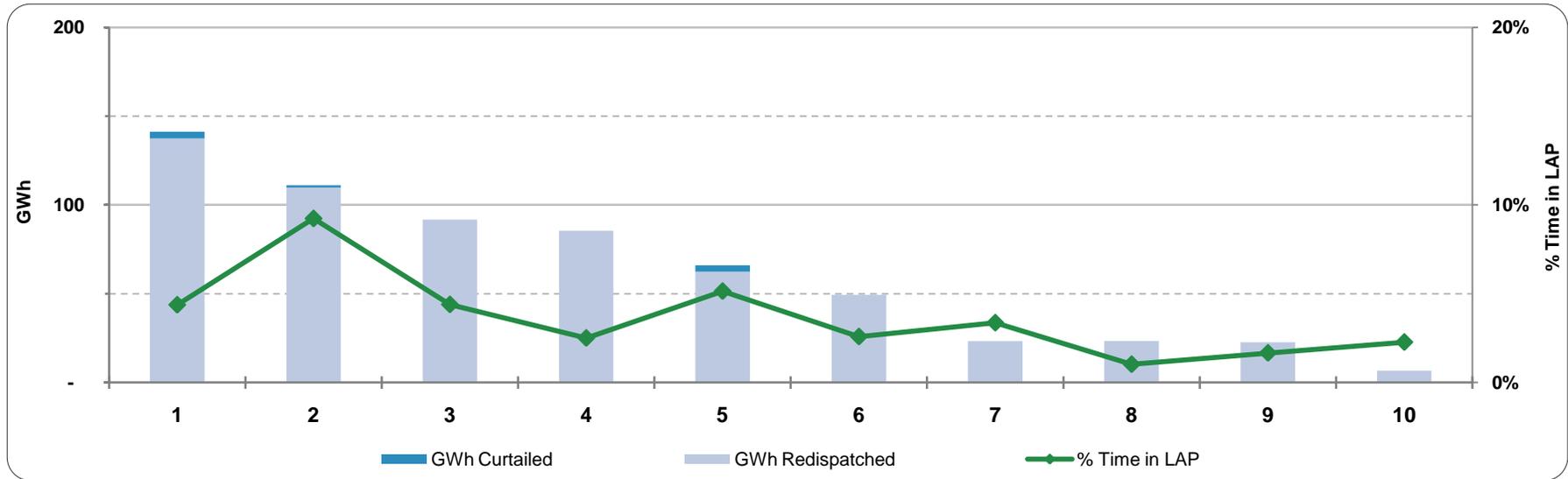
Rank	Flowgate Location (kV)	State	% Time in LAP	GWh Redispatched	GWh Schedules Curtailed	Proposed Solution [estimated completion date]
1	Redgum - Natchez 115 kV FTLO Plantation - Vidalia 115 kV (ELI - EMI)	Louisiana - Mississippi	49.4%	238.8		Utilize operating guide for capacitor bank utilization in the Plantation/Red Gum/ Natchez areas to help minimize reactive power flows on Natchez to Redgum line.
2	Oakridge - Sterlington 115 kV FTLO Perryville - Baxter Wilson 500 kV (ELI)	Louisiana	4.8%	213.2		Install series reactor at Delhi (Spring 2010). Construct new Swartz to Carson SS 115 kV line (2014)
3	PPG - Rose Bluff 230 kV FTLO Nelson - Carlyss 230 kV	Louisiana	5.2%	113.0		No specific project proposed
4	Alchem - Monochem 138 kV FTLO St. Gabriel - AAC Corp 230 kV	Louisiana	3.1%	104.5		Upgrade Alchem to Monochem (2011)
5	Grimes - Mt Zion 138 kV FTLO Grimes - Bentwater 138kV	Texas	3.7%	86.1		Upgrade Grimes-Mt. Zion (2019)
6	Addis - Tiger 230 kV FTLO Dow Meter - Air Liquid 230 kV (EGSL)	Louisiana	13.1%	65.1	0.1	No specific project proposed. Generation redispatch to address QF put.
7	Navasota - Tubular 138 kV FTLO Grimes - Mt Zion 138 kV (ETI)	Texas	4.1%	56.7		No specific project proposed
8	McAdams AT1 500/230 kV ftlo Choctaw Gas - West Point 500 kV	Texas	3.4%	52.8		McAdams Area Upgrades (2011) • McAdams -- add 2nd 500/230 kV auto • McAdams - Pickens 230 kV line upgrade
9	Cow - Colonial Orange 138 kV FTLO Cow Bulk - Sabine 138 kV (EGSL)	Texas	11.4%	32.5	0.7	No specific project proposed. Generation redispatch to address QF put.
10	Mabelvale AT1 500/115 kV FTLO Mabelvale AT2 500/115 kV	Arkansas	3.2%	22.1		Holland Bottoms Project (2011)

1f. Congestion - by Flowgate (LAP) - 2009



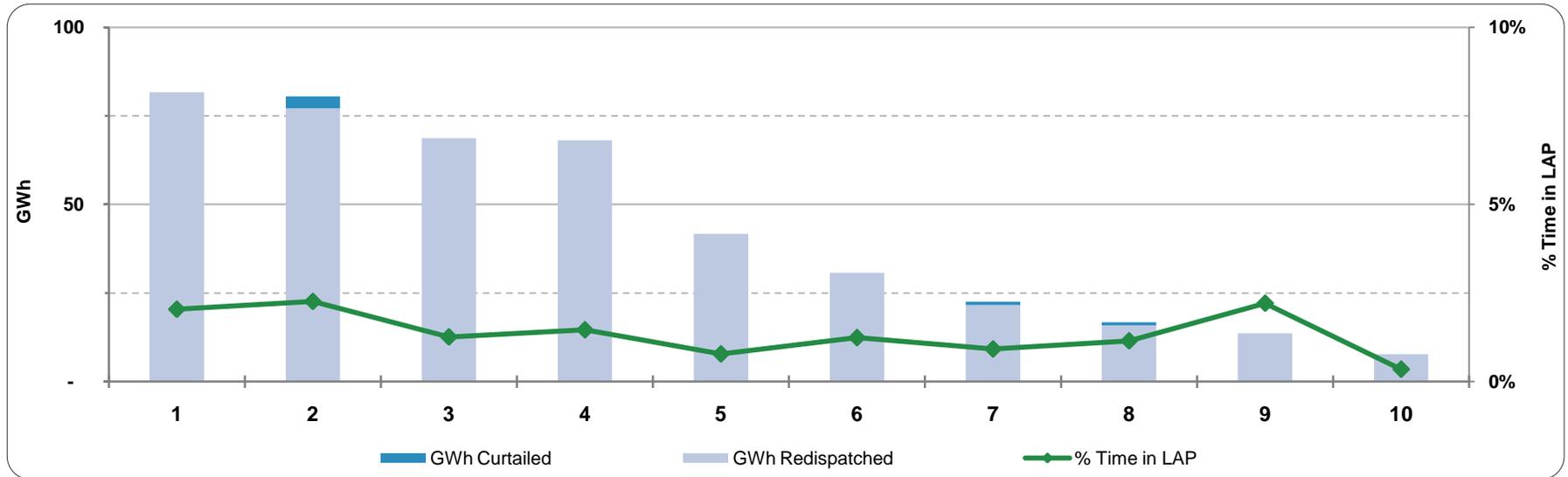
Rank	Flowgate Location (kV)	Operating Company	% Time in LAP	GWh Redispached	GWh Schedules Curtailed	
1	Grimes - Mt Zion 138 kV FTLO Grimes - Walden 138 kV	ETI	17.5%	332.0		Upgrade Grimes-Mt. Zion (2019)
2	Adams Creek - Bogulsa #3 230 kV FTLO Adams Creek - Bogulsa #2 230 kV	ELI	6.4%	241.4		Adams Creek to Bogalusa Project (Completed)
3	Newport - Fisher 161 kV FTLO Independence - Dell 500 kV	EAI	7.8%	157.2		No specific project proposed
4	Waterford - Little Gypsy #2 230 kV FTLO Waterford - Little Gypsy #3 230 kV	ELI	5.9%	154.6		No specific project proposed
5	Ppg - Rose Bluff 230 kV FTLO Nelson - Carlyss 230 kV	EGSL	3.2%	119.5		No specific project proposed
6	South Jackson - Florence 115 kV FTLO Franklin - Bogalusa 500 kV	EMI	3.2%	89.2	8.0	Upgrade South Jackson to Florence 115 kV Line. (Completed)
7	Addis - Tiger 230 kV FTLO Dow Meter - Air Liquid 230 kV	EGSL	9.3%	61.8		No specific project proposed. Generation redispatch to address QF put.
8	Alchem - Monochem 138 kV FTLO St. Gabriel - Aac Corp 230 kV	EGSL	2.8%	53.2		Upgrade Alchem to Monochem (2011)
9	Oakridge - Sterlington 115 kV FTLO Perryville - Baxter Wilson 500 kV	ELI	2.9%	52.8	0.0	Series reactor at Delhi (Spring 2010). Construct new Swartz to Carson SS 115 kV line (2014)
10	Redgum - Natchez 115 kV FTLO Plantation - Vidalia 115 kV	ELI - EMI	14.3%	14.2		Utilize operating guide for capacitor bank utilization in the Plantation/Red Gum/ Natchez areas to help

1f. Congestion - by Flowgate (LAP) - 2008



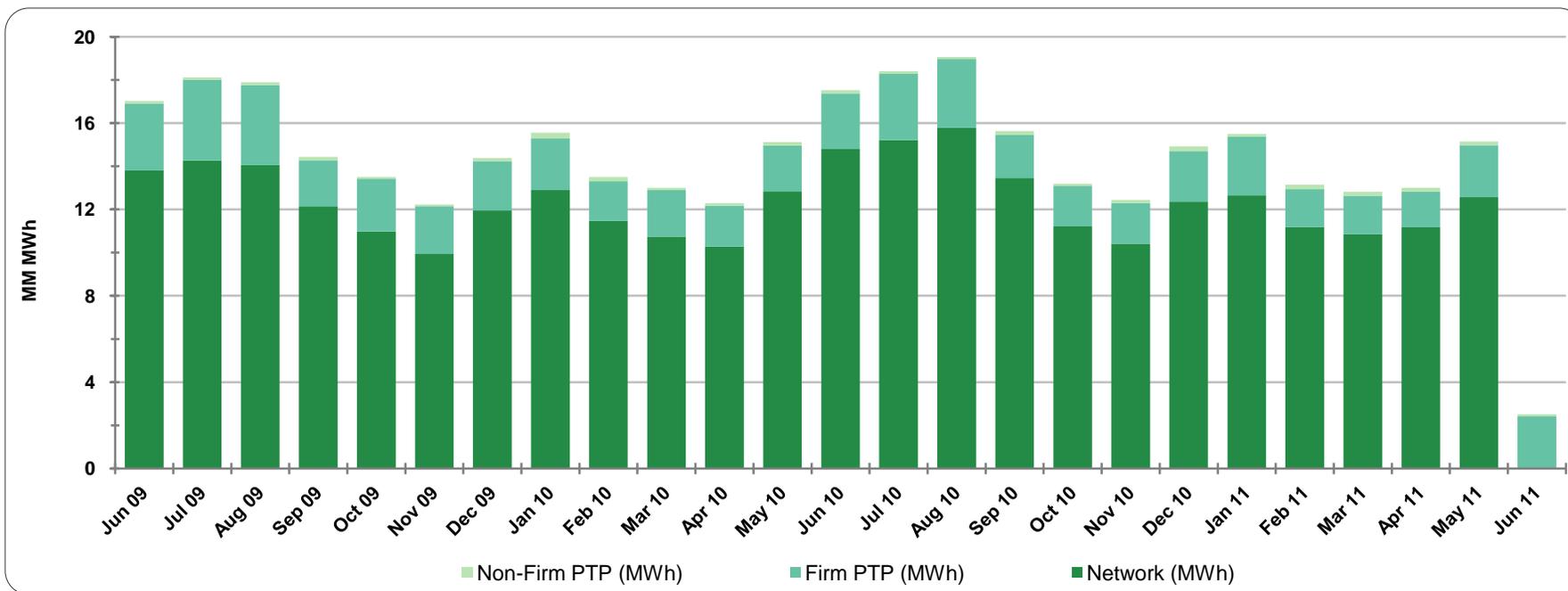
Rank	Flowgate Location (kV)	Operating Company	% Time in LAP	GWh Redispatched	GWh Schedules Curtailed	
1	Oakridge - Sterlington 115 kV FTLO Perryville - Baxter Wilson 500 kV	ELI	4.4%	137.4	3.9	Series reactor at Delhi (Spring 2010). Construct new Swartz to Carson SS 115 kV line (2014)
2	Grimes - Mt Zion 138 kV FTLO Grimes - Walden 138 kV	ETI	9.2%	109.8	1.3	Upgrade Grimes-Mt. Zion (2019)
3	Waterford - Little Gypsy #2 230 kV FTLO Waterford - Little Gypsy #3 230 kV	ELI	4.4%	91.8		No specific project proposed
4	Fancy Auto 500/230 500 / 230 kV FTLO Coly - Mcknight 500 kV	EGSL	2.5%	85.4		No specific project proposed
5	South Jackson - Florence 115 kV FTLO Franklin - Bogalusa 500 kV	EMI	5.1%	62.4	3.6	Upgrade South Jackson to Florence 115 kV Line. (Completed)
6	Adams Creek - Bogulsa #3 230 kV FTLO Adams Creek - Bogulsa #2 230 kV	ELI	2.6%	49.4		Adams Creek to Bogalusa Project (Completed)
7	Addis - Tiger 230 kV FTLO Dow Meter - Air Liquid 230 kV	EGSL	3.4%	23.3		No specific project proposed. Generation redispatch to address QF put.
8	Pelahatchie - Morton 115 kV FTLO Choctaw Gas - West Point 500 kV	EMI	1.0%	22.9	0.1	Upgrade 600 A switches to 1200 A at Morton. (Completed)
9	Panama - Romeville 230 kV FTLO Waterford AT1 500 / 230 kV	EGSL	1.7%	22.7		Amite South Phase 3 (completed)
10	Huntsv - Mtzion 138 kV FTLO Grimes - Walden 138 kV	ETI	2.3%	6.7		Upgrade Grimes-Mt. Zion (2019)

1f. Congestion - by Flowgate (LAP) - 2007



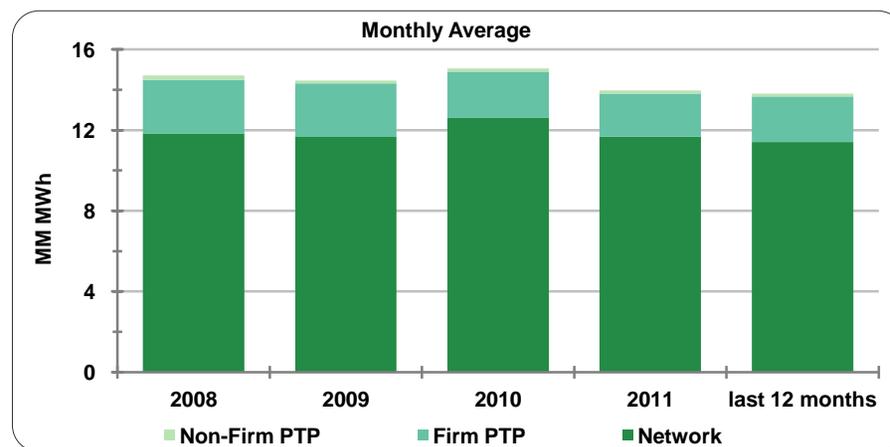
Rank	Flowgate Location (kV)	Operating Company	% Time in LAP	GWh Redispached	GWh Schedules Curtailed	
1	Brookhaven - Mallallieu 115 kV FTLO Franklin - Bogalusa 500 kV	EMI	2.0%	81.7		Upgrade Brookhaven to McComb (2012)
2	Oakridge - Sterlington 115 kV FTLO Perryville - Baxter Wilson 500 kV	ELI	2.3%	77.1	3.4	Series reactor at Delhi (Spring 2010). Construct new Swartz to Carson SS 115 kV line (2014)
3	Coly - Vignes 230 kV FTLO Willow Glen - Waterford 500 kV	EGSL	1.3%	68.7		AS Phase 2 and 3. (Completed). Coly to Hammond new 230 kV line (2012)
4	Brookhaven - Wesson 115 kV FTLO Grand Gulf - Baxter Wilson 500 kV	EMI	1.5%	68.1		No specific project proposed
5	Mabelvale - Bryant 115 kV FTLO Magnet Cove - Hot Springs 500 kV	EAI	0.8%	41.7		No specific project proposed
6	Hartburg - Inland Orange 230 kV FTLO Hartburg - Cypress 500 kV	ETI	1.2%	30.7		Hartburg to Inland to McLewis Upgrade (2011)
7	Alchem - Monochem 138 kV FTLO St. Gabriel - Aac Corp 230 kV	EGSL	0.9%	21.6	1.0	Upgrade Alchem to Monochem (2011)
8	Waterford - Little Gypsy #2 230 kV FTLO Waterford - Little Gypsy #3 230 kV	ELI	1.2%	15.9	0.8	No specific project proposed
9	Addis - Tiger 230 kV FTLO Dow Meter - Air Liquid 230 kV	EGSL	2.2%	13.6		No specific project proposed. Generation redispatch to address QF put.
10	Sterlington - Oak Ridge 115 kV FTLO Baxter Wilson AT1 500 / 115 kV	ELI	0.4%	7.7		Series reactor at Delhi (Spring 2010). Construct new Swartz to Carson SS 115 kV line (2014)

3b. Transmission Utilization - MWh



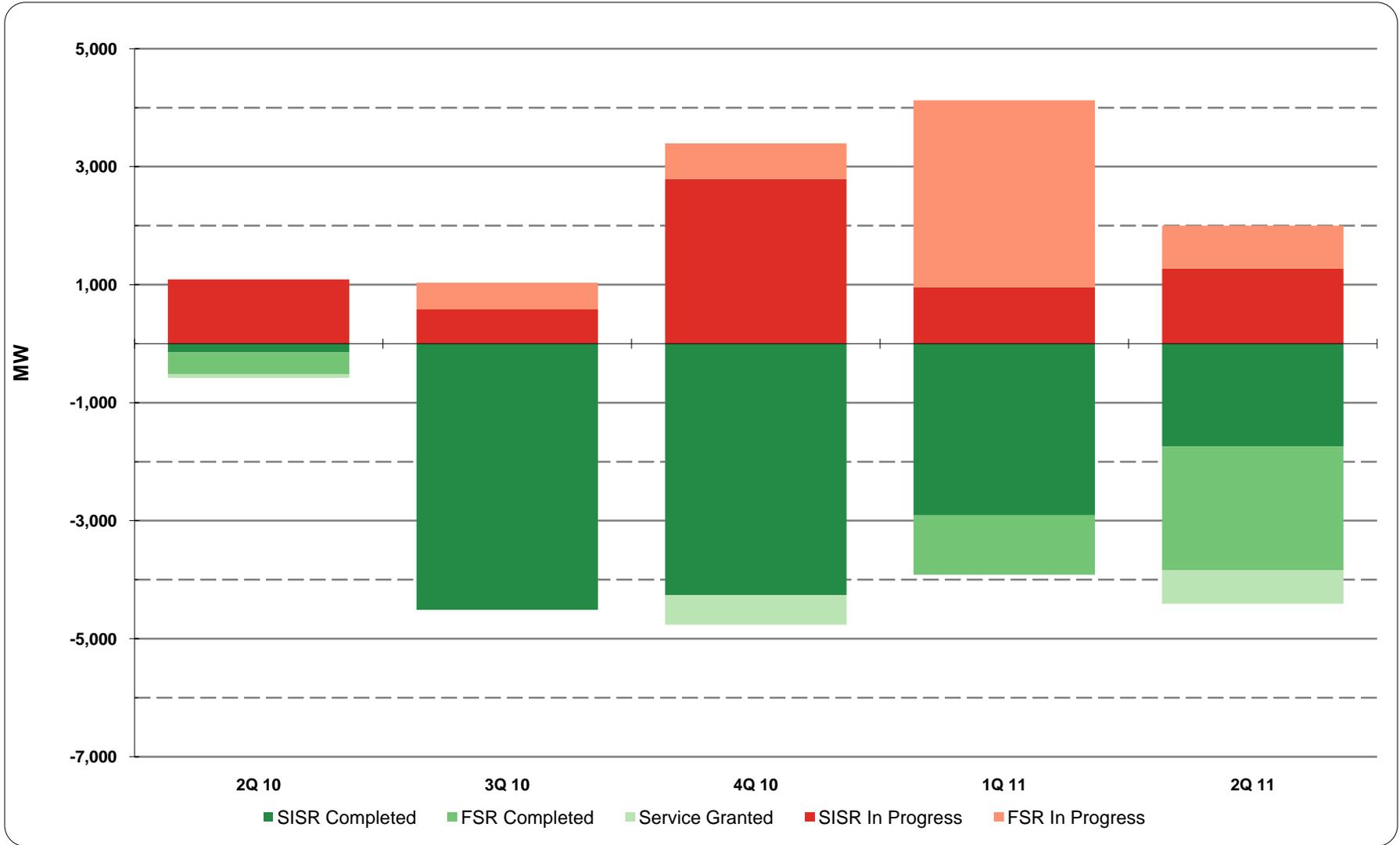
Service (in MM MWh)	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11
Network	14.82	15.21	15.78	13.46	11.22	10.41	12.36	12.65	11.18	10.86	11.18	12.57	
Firm PTP	2.55	3.10	3.20	1.99	1.87	1.88	2.35	2.73	1.75	1.77	1.64	2.41	2.42
Non-firm PTP	0.15	0.10	0.10	0.19	0.09	0.15	0.22	0.11	0.21	0.19	0.19	0.16	0.10
Total	17.53	18.41	19.07	15.64	13.18	12.44	14.93	15.50	13.15	12.82	13.01	15.14	

Service (in MM MWh)	2008	2009	2010	2011	last 12 months
Network	11.84	11.67	12.63	11.69	11.41
Firm PTP	2.65	2.65	2.28	2.12	2.26
Non-Firm PTP	0.22	0.15	0.15	0.16	0.15
Total	14.71	14.46	15.06	13.97	13.82
Monthly Average					



16a. Studies - MW

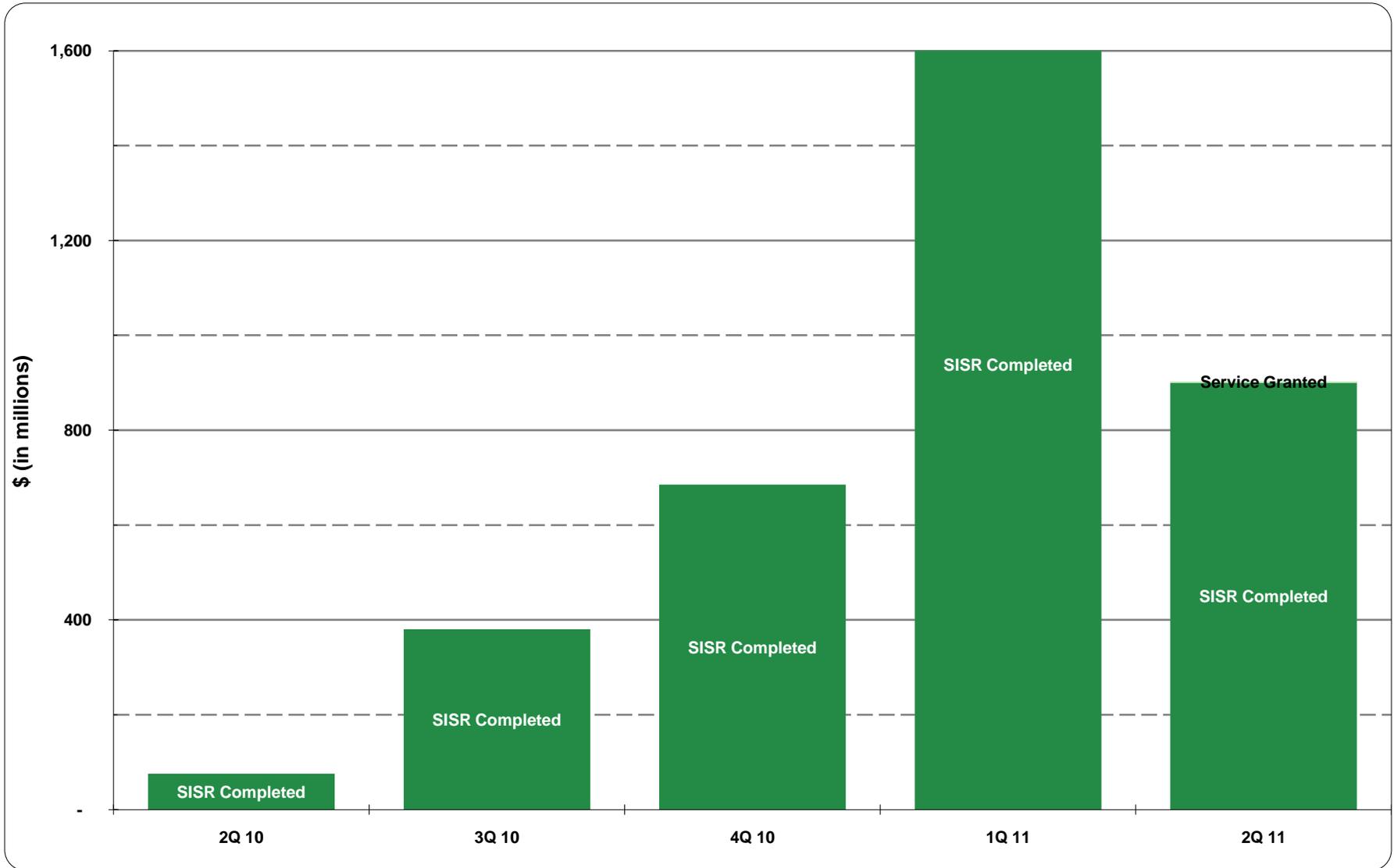
SPP ICT



MW					
Completed	2Q 10	3Q 10	4Q 10	1Q 11	2Q 11
SISR	150	4,511	4,262	2,909	1,743
FSR - service granted	58	-	500	1	570
FSR	370	-	-	1,006	2,098
TOTAL	578	4,511	4,762	3,916	4,411

MW					
In Progress	2Q 10	3Q 10	4Q 10	1Q 11	2Q 11
SISR	1,090	583	2,793	956	1,271
FSR	-	451	600	3,171	731
TOTAL	1,090	1,034	3,393	4,127	2,002

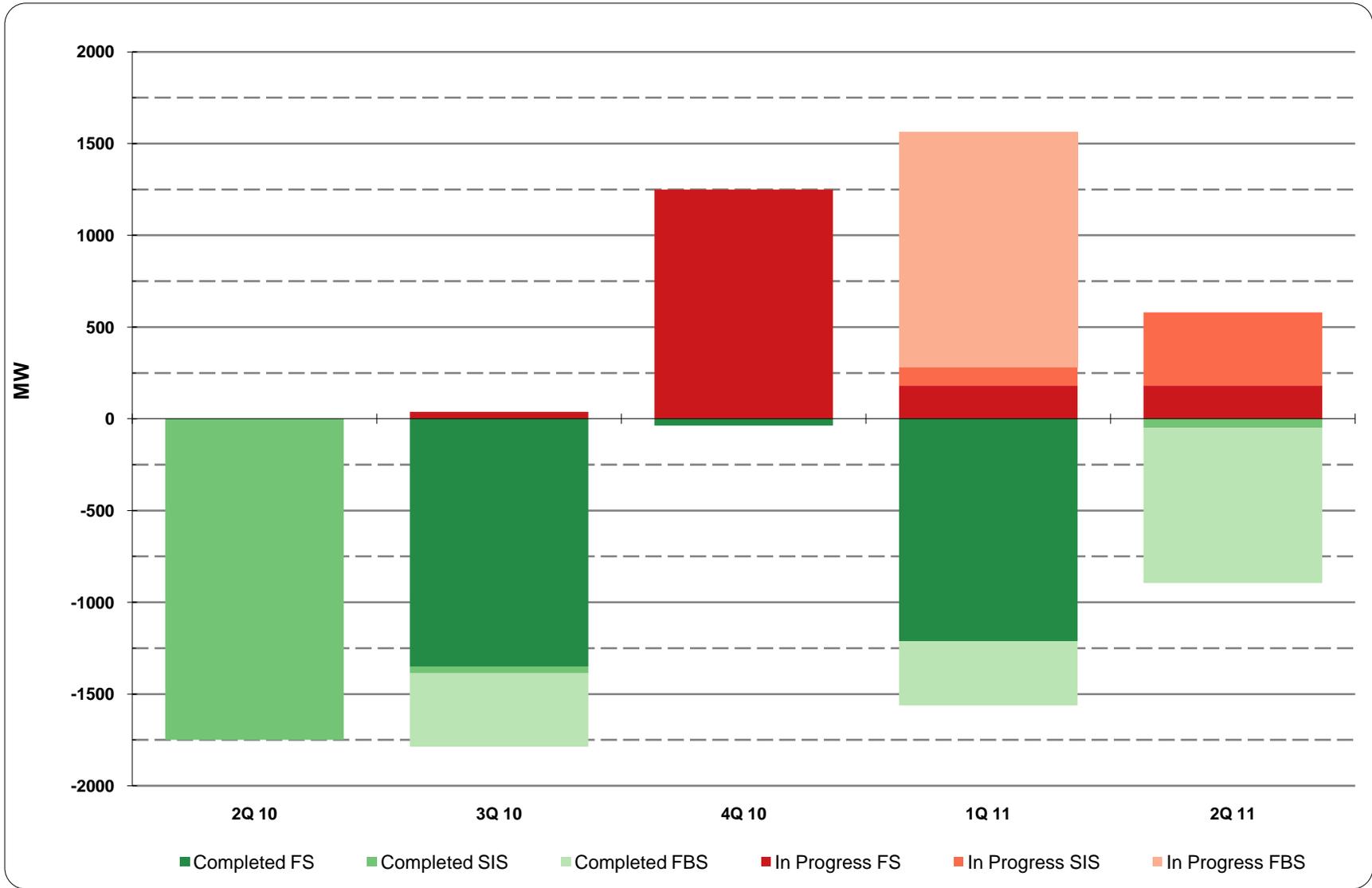
16b. Studies - Upgrade \$



Upgrade \$ (in millions)					
Completed	2Q 10	3Q 10	4Q 10	1Q 11	2Q 11
SISR	\$ 75.7	\$ 380.3	\$ 685.4	\$ 1,878.3	\$ 900.7
FSR - service granted					\$ 2.3
FSR					
TOTAL	\$ 733.3	\$ 450.7	\$ 75.7	\$ 1,878.3	\$ 903.0

16c. Studies - Generation Interconnection - MW

SPP ICT

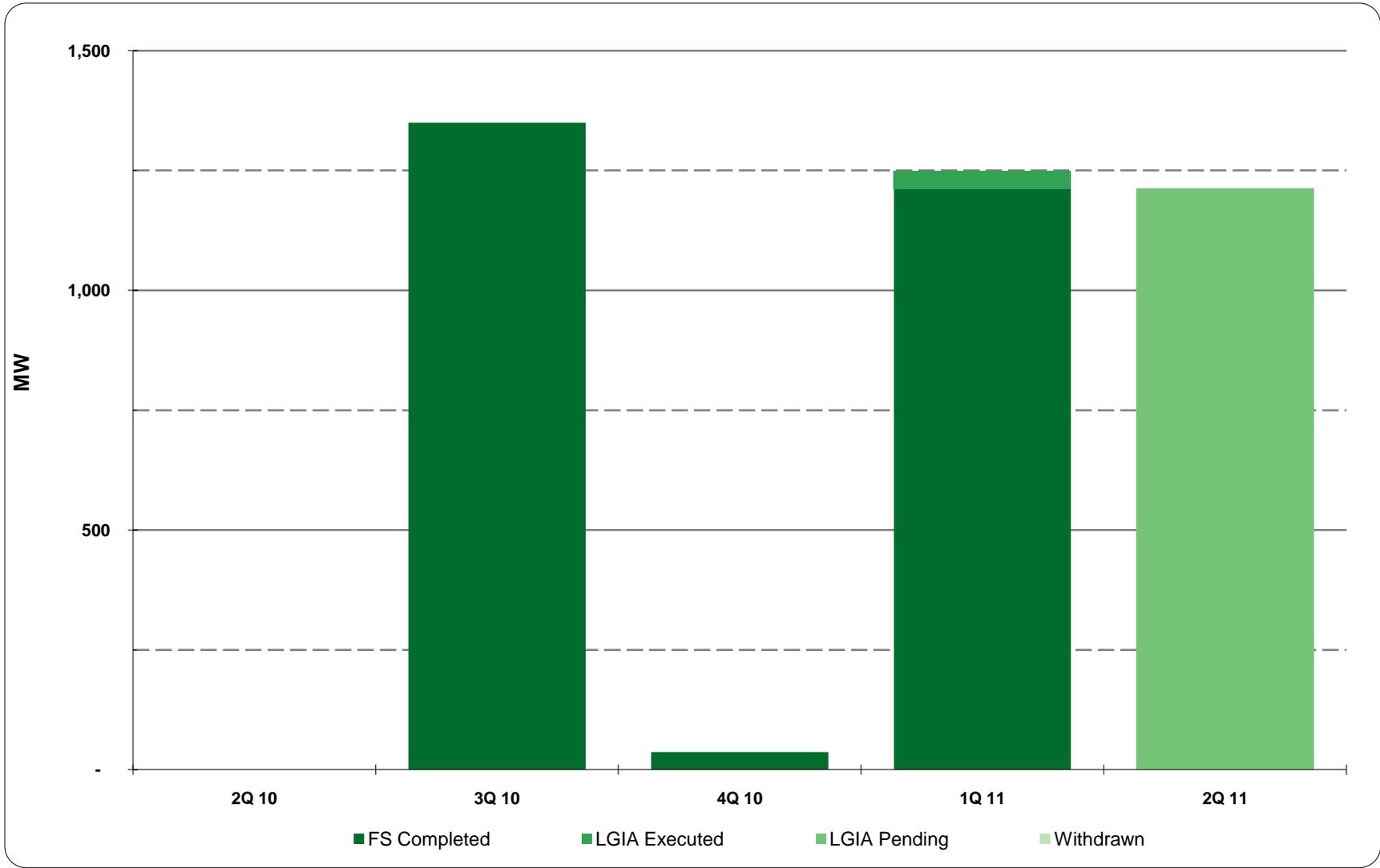


MW					
Completed	2Q 10	3Q 10	4Q 10	1Q 11	2Q 11
FS	-	1,350	37	1,212	-
SIS	1,750	37	-	-	50
FBS		400	-	350	845
TOTAL	1,750	1,787	37	1,562	895

MW					
In Progress	2Q 10	3Q 10	4Q 10	1Q 11	2Q 11
FS	-	37	1,249	180	180
SIS	-	-	-	100	400
FBS	-	-	-	1,282	-
TOTAL	-	37	-	1,562	580

16d. Studies - Generation Interconnection - FS Completed

SPP ICT



MW					
Completed	2Q 10	3Q 10	4Q 10	1Q 11	2Q 11
FS Completed	-	1,350	37	1,212	-
FS Completed - LGIA Executed	-	-	-	37	-
FS Completed - LGIA Pending	-	-	-	-	1,212
FS Completed - Withdrawn	-	-	-	-	-
TOTAL	-	1,350	37	1,249	1,212

Attachment 3



Southwest Power Pool, Inc.
ICT STAKEHOLDERS POLICY COMMITTEE MEETING

June 29, 2011

Pan American Life Building New Orleans, LA

• Draft Meeting Minutes •

9:00 a.m. – 12:00 p.m.

Agenda Item 1- Introduction and Roll Call

Lanny Nickell, SPP, called the meeting to order at approximately 9:04 a.m. There were 47 in attendance in person and by teleconference. Mr. Nickell introduced himself to the stakeholders and made brief opening remarks.

Agenda Item 2- Agenda Review

Lanny Nickell reviewed the agenda which was posted prior to the meeting on the SPP website and available at the meeting. Mr. Nickell added the review and approval of the March 17, 2011 and May 16, 2011 ICT SPC meeting minutes to the agenda. Mr. Nickell asked for a motion of approval of the minutes for the previous meetings. There were no objections, changes or modifications, and the motion was moved, seconded, and passed.

Agenda Item 3- Outstanding Action Items

Tony Green, SPP, reviewed the outstanding action items from the March 17th and May 16th meetings. There were 11 action items from the two meetings. Mr. Green reviewed the resolutions for 6 of the items. Don Shipley, SPP, reviewed the resolution for 3 of the items. Two of the items will be resolved in today's meeting agenda. The action items and their resolution are included in the meeting materials posted on the website.

Agenda Item 4- TLR 5 Report

Don Shipley presented the new TLR 5 Event Analysis report. Due to NERC Reliability Standard changes, the current TLR 5 reporting procedure was discontinued. However, SPP determined a report was necessary for the ICT and developed a TLR 5 Event Analysis report that will be in use by the ICT Reliability Coordinator. Mr. Shipley reviewed the details of the report, describing the categories defined and the details listed for the event. Mr. Shipley stated that the report and procedure was still under development and had the input from several stakeholders, but encouraged feedback for the report and procedure.

Becky Turner, Entegra, inquired about the categories of the events and a listing for events in each category. Mr. Shipley stated that the RC will carry data going forward from the start of the report, and that events that have happened before the report procedure was in place could be in



a category that reflects it as a repeated event from the start of the procedure. Mark McCulla, Entergy, asked if an event was categorized as habitual, would there be a reference to previous reports each time the habitual event occurred. Mr. Shipley stated that each event would be a separate report, even if it was for the same flowgate. Mr. McCulla inquired on how the report would be posted on OASIS, and for follow up actions on Category 3 events. Mr. Shipley walked through an example of the OASIS posting process and commented on the need for sensitivity to confidential information.

Steve McElhaney, SMEPA, commented that there is a possibility of overlap within categories of events. Mr. Shipley discussed the categories and their uses in greater detail. Becky Turner asked about significant events and how that information would be posted. Mr. Shipley discussed the need for disclosure but that the standards for confidentiality on those events will need to be followed. Bill Booth, City of New Orleans, inquired about must-runs and their treatment. Sam Loudenslager, Arkansas Public Service Commission, added comments on significant events and asked if there was the ability to have a public report for OASIS and a private report that would protect confidential information. Mr. Shipley stated the ICT would look to build one report, but would try and determine a way to publish versions that were no-confidential or contained redacted data. Jennifer Vosburg, NRG-LaGen, commented that the report process was discussed in the Reliability Task Force and that it is still a work in progress. Gary Newell, Thompson Coburn, LLP, asked several questions on confidentiality for market participants. Mr. Shipley responded with discussion on how information is considered confidential.

Don Shipley followed with a discussion of the root cause section of the report. Mark McCulla asked if CEII related material will be considered before posting. Mr. Shipley replied that CEII information would be considered and not be in the document because of the confidentiality of CEII information. Kip Fox, AEP, commented on pending upgrades and asked if the ICT was considering putting scheduled or planned upgrades in the report. Mr. Shipley stated that would be considered and could be part of the additional comments section. Jennifer Vosburg inquired about redispatch responses being in the report. Mr. Shipley responded that the ICT and the Task Force are still trying to determine how to handle the economic impact information and its place in the report. Mr. Shipley took an action item to prepare a proposal for the ERSC Working Group for determining economic reporting for TLR events.

Several stakeholders discussed posting locations and updates for the reports. Mr. Shipley stated the ICT will work with Entergy to determine the best location on OASIS to post the report. Gary Newell and Sam Loudenslager commented that they appreciated the effort by the ICT to develop this report. Mr. Shipley added that the Reliability Task Force has been very engaged in the process.

Agenda Item 5- Users Group Report

Tim Phillips, SPP, presented the Users Group report. Mr. Phillips reviewed the assessment from May 17, 2011, and commented that Entergy had made significant improvements from the previous report. The processes being put in place were not fully implemented at the time of the assessment so they could not be audited, but are expected to be in place for the next quarterly assessment. Entergy provided an internally performed gap analysis that included the steps taken to remediate these issues, and provided documentation of actions taken to correct previously reported issues. Mr. Phillips also reviewed the AFC Data Error FERC filings and the summary of the filings. Tina Lee, KGen Power, commented that the human errors were trending



up on the summary of the FERC filings, and asked if there were specific reasons for that trend. Mr. Phillips responded he was not certain of those reasons, but there had been several recent process and procedure changes, along with the 676-E change that could have caused the human errors to increase.

Agenda Item 6- Load Pocket Analysis

Antoine Lucas, SPP, presented the report on the analysis of the WOTAB and ALP Load Pocket Sensitivity. Mr. Lucas went through the different technical analyses for each location. The summary found that Entergy has identified projects in their Horizon Construction Plan to address all of the overloads identified in this analysis and the majority of the G-1, N-1 overloads was present under N-1 conditions within the 10 year horizon. Therefore, the ICT found there to be no need to perform additional load pocket sensitivities on ALP and WOTAB.

Becky Turner inquired on the Amite South area. Mr. Lucas and Ms. Turner, along with Ben Roubique, SPP, discussed the technical aspects of the area. Mr. Roubique took an action item to discuss further with Ms. Turner specific generation in Amite South.

Wayne Messina, NRG-LaGen, asked about real time benchmarking within ALP. Antoine Lucas responded that was not intended to occur at this time. Mr. Lucas also stated that NERC is looking at changes right now that may require the ICT to do N-1, G-1 for the whole system, but until that is the case the N-1 analysis parameters remain as they are today. Gary Newell had several questions on the Lafayette area. Mr. Lucas and Mr. Newell, along with Charles Long, Entergy, discussed the technical aspects of the modeling of the area. Mr. Lucas took an action item to discuss further with Mr. Newell specific generation modeling in the Lafayette area.

Agenda Item 7- OASIS Posting

Lanny Nickell discussed the proposed guidelines prepared by SPP and Entergy to post information on OASIS about issues that impact TSR processing and AFC calculation. Mr. Nickell stated that the work on the guidelines is almost complete and that as soon as the language is agreed upon and the guidelines are posted the procedure will begin. Mr. Nickell took an action item to have the language complete within the next week. Tim Phillips added that the ICT will post information for the new process that will include screen shots and instructions for the stakeholders.

Agenda Item 8- EAI Preparations

Lanny Nickell announced that SPP and Entergy had engaged in the process of preparing for the exit of EAI from the Entergy System Agreement and how that would impact the ICT's planning activities. Sam Loudenslager asked the Entergy representation if Entergy has started to investigate what they would need to do. Kham Vongkhamchanh, Entergy, stated Entergy will start their process in the fall, when they will have a better understanding of the impact of EAI's resources and can establish models and scenarios. Mr. Nickell stated that the ICT and Entergy will be discussing the exit of EAI and the impacts at the SPP Planning Summit later this summer. Bill Booth asked the Entergy representatives if they were also looking at resources that the other Entergy companies will need when EAI exits. Mr. Vongkhamchanh stated that Entergy was looking at the other companies, as their analysis will look at the Entergy system as a whole



and EAI separately. Lee Kellough, Entergy, confirmed the analysis approach for the full Entergy system separate and in conjunction with EAI analysis.

Agenda Item 9- Action Items Review

Action items:

1. Don Shipley, SPP, will prepare a proposal for the ERSC Working Group for determining economic reporting for TLR events.
2. Ben Roubique, SPP, will discuss further with Becky Turner, Entegra, specific generation in Amite South.
3. Antoine Lucas, SPP, will discuss further with Gary Newell, Thompson Coburn, LLP, specific generation modeling in the Lafayette area.
4. Lanny Nickell, SPP, will have the language complete and the OASIS Posting document ready for implementation within the next week.

Agenda Item 10- Adjournment

Meeting adjourned at approximately 11:40 a.m.

Respectfully Submitted,

Lanny Nickell

Company	Last Name	First Name	Email	Attending	Comments
	Allen	Chad	Chad.Allen@psc.state.ms.us	In Person	
	Bernstein	Glen	gbernstein@sidley.com	In Person	
Arkansas Public Service Commission	Berry	Keith	Berry@hendrix.edu	In Person	
	Booth	William	wbooth@sonnenschein.com	In Person	
Southwest Power Pool	Bright	Ben	bbright@spp.org	In Person	
Southwest Power Pool	Monroe	Carl	cmonroe@spp.org	In Person	
Entergy	Broussard	Dennis		In Person	
	Brownell	Nora	nbrownell@espyenergysolutions.com	In Person	
NRG-LaGen	Vosburg	Jennifer		In Person	
NRG	Greig	Jake		In Person	
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	Erbach	Donald	don@paschallstrategic.com	In Person	
ESPY	Schmidt	Kristine		In Person	
LPSC	Watson	Melissa		In Person	
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Entergy	Murphy	Erin		In Person	
AEP	Fox	Kip		In Person	
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MISO	Hensley	Rick		In Person	

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	Ochola	Maureen	Maureen.ochola@gdsassociates.com	In Person	
Entergy Texas	Olson	Carl	colson1@entergy.com	In Person	
Constellation Energy Commodities Group,	Orr	John	john.orr@constellation.com	In Person	
Entegra	Turner	Becky		In Person	
Southwest Power Pool	Phillips	Tim	tphillips@spp.org	Teleconferencing	
Southwest Power Pool	Roubique	Benjamin	broubique@spp.org	Teleconferencing	
Wright & Talisman	Shaffer	David	shaffer@wrightlaw.com	Teleconferencing	
Southwest Power Pool	Shipley	Don	dshipley@spp.org	In Person	
Entergy	Tong	Louis	htong@entergy.com	In Person	
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ENERGY

Don Erblich

Rschall Strategic

Brad Mitzdorf

Southern Strategy Group LA

Mark McCalla

ENERGY

Louis Tona

ENERGY

Charles W. Long

ENERGY

Kip Fox

AEP

Don Shipley

SPP

Lee Kellough

ENERGY

Jason Davis

SPP

Lanny Nickell

SPP

Jake Greig

NRG

Tony Green

SPP

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Sarah Lane

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Becky Turner

ENTEGRA Power Group
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John Orr

Constellation Energy

Keith Perry, Ph.D.

Ark. PSC

RICK HEMLEY

CIVIL - JONESBORO

CARL A. MONROE

SPP

George Heintzen

Carway Corp.

Wayne Messina

NRG - Logan

Jennifee Vosburg

NRG - Habersham

Sam Loudeustager

ARKANSAS PSC

Ben Bright

SPP

Chad Allen

MS. PSC

Bill Booth

SAR Denton / New Orleans

Richard Grette

PUCT

ORIL MOVISH

CITY of N.O.

NORA BROWNELL

ESPY

KRISTINE SCHMIDT

ESPY

Dennis Broussard

Entergy

~~Ben Bright~~

~~SPP~~



Southwest Power Pool, Inc.
ICT STAKEHOLDERS POLICY COMMITTEE MEETING
June 29, 2011
Pan American Life Center New Orleans, LA

• A G E N D A •

1. Introductions and roll call.....Lanny Nickell
2. Review of meeting agenda..... All
3. Outstanding Action ItemsLanny Nickell
4. TLR 5 ReportDon Shipley
5. User's Group Report.....Tim Phillips
6. Load Pocket Analysis Ben Roubique
7. OASIS Posting.....Lanny Nickell
8. EAI Preparations.....Lanny Nickell
9. Action Items review All
10. AdjournmentLanny Nickell



Southwest Power Pool, Inc.
ICT STAKEHOLDERS POLICY COMMITTEE MEETING

March 17, 2011

Astor Crowne Plaza New Orleans, LA

• Draft Meeting Minutes •

8:00 a.m. – 12:00 p.m.

Agenda Item 1- Administrative Items

Bruce Rew, SPP, called the meeting to order at approximately 8:08 a.m. There were 42 in attendance in person and by teleconference.

Agenda Item 2- Agenda Review

Bruce Rew reviewed the agenda which was posted prior to the meeting on the SPP website and available at the meeting. An agenda change was made to have the Reliability Task Force and the AFC Task Force updates consecutive for discussion on the joint Reliability Task Force/AFC Task Force meeting. The ERSC Working Group update will not be given because they are meeting concurrently as the SPC.

Agenda Item 3- Approval of Previous Meeting Minutes

Bruce Rew asked for a motion of approval of the minutes for the previous meetings on January 20, 2011 and February 22, 2011. There were no objections, changes or modifications, and the motion was moved, seconded, and passed. Bruce Rew announced that the meeting materials are posted on the SPP website.

Agenda Item 4- Review of Stakeholder Survey

Tony Green, SPP, presented the 2010 Stakeholder Survey results and comparisons. Once again there were 17 stakeholders that participated in the survey. Overall results were slightly ahead of 2009, and the survey showed high satisfaction with ICT staff activity and customer service, but the processes used to resolve issues were frustrating to stakeholders and needed improvement.

Dr. Jim Karrh, MarketSearch, participated via teleconference. Dr. Karrh provided analysis and comments on the survey results. Jennifer Vosburg, NRG Louisiana Generating, asked Dr. Karrh about further improvements in the participation in the survey. Gary Newell, Thompson Coburn LLP, asked Dr. Karrh about other possible methods of conducting the survey or research with the stakeholders.

Agenda Item 5- ICT Regulatory Update



There were no formal updates from the ICT or Entergy this quarter.

Agenda Item 7- Users Group Report

Tim Phillips, SPP, presented the Users Group report. Mr. Phillips noted that the Users Group assessment on February 22nd was not successful as Entergy was not able to produce all of the data required to perform the assessment. The SPP Internal audit staff met with Entergy's IT staff in a working session March 1st. Another assessment was performed March 7th at which time Entergy was able to provide further assessment data, however several processes and data points could still not be determined. Mr. Phillips also reviewed the FERC filings summary chart along with the AFC-related errors filed this quarter.

Jennifer Vosburg raised several questions concerning Entergy's lack of data availability and errors in the report. Ms. Vosburg asked Mr. Phillips if this was different from earlier audits. Mr. Phillips stated that this assessment was much different from recent assessments. Mr. Phillips also brought up that Entergy had a new staff member in the audit process and this had caused some delay. Kham Vongkhamchanh, Entergy, addressed several of the questions, stating data was not lost, but they are addressing documentation concerns. He also confirmed there had been a loss of key personnel which brought a transition to new personnel, but that additional personnel would be brought in to address these issues. Entergy is also looking at trying to automate these processes.

Jennifer Vosburg expressed her concern that process problems shouldn't be occurring four years into the ICT. Kip Fox, AEP, asked if there were any violation or filings of the assessment with NERC or SERP. Carl Monroe, SPP, answered the assessment audits are performed pursuant to Entergy's tariff. Mr. Fox inquired if a mitigation plan had been provided by Entergy. Mr. Phillips said no, but they have done "gap" plans with past issues. John Chiles, GDS Associates, asked if the ICT would be changing frequency of the audits based on the number and severity of these errors. Several comments were made from the group. It was determined that a Users Group meeting and conference call would be held to determine next steps and actions required.

Roberto Paliza, Paliza Consulting, inquired on the longer period of time to respond to the AFC errors listed in the report. Jennifer Vosburg asked what impact an AFC error would have on reliability. Don Shipley, SPP, stated reliability issues are addressed real-time, with quick knowledge of the issue and immediate mitigation. Mr. Paliza commented on the Issue Trak system and if it should be utilized for these issues. Mr. Shipley discussed the current use of Issue Trak by the stakeholders for other issues. Mr. Paliza commented on the response times for items in Issue Trak. Tony Green took an action item to verify the response times that are reported in the ICT Quarterly and Annual reports. Brenda Harris, Occidental Energy Ventures, asked if it is common to have this many data errors from a transmission service provider. Tim Phillips commented each would be different but is unaware of any comparisons. Kham Vongkhamchanh stated Entergy is the only transmission service provider required to report these errors.



Agenda Item 11- Reliability Task Force

Don Shipley presented the Reliability Task Force (RTF) update. This also included a review of the Joint RTF and AFCTF meeting March 16th. The main focuses of the update were work on AFC flowgates and real-time congestion, a process chart for generator outage approval, the forming of an AFC Benchmarking Focus Group, and evaluating comments on the Entergy Business Practices. Mr. Shipley stated that Roberto Paliza had submitted comments for the benchmarking group, and that Mr. Shipley was taking an action item schedule a meeting with Mr. Paliza and Jason Davis, SPP, to discuss those comments. Jennifer Vosburg asked if the Entergy Business Practices are now in effect. Glen Bernstein, Entergy, responded that the Entergy Business Practices had been filed at FERC, but that this was an informational filing only. Kham Vongkhamchanh responded later that by and large the business practices were not in effect at this time, but a table at the end of the filing shows which business practices are in effect.

Agenda Item 8- AFC Task Force

Jason Davis presented the AFC Task Force (AFCTF) update. The update delivered information on the AFCTF action for the data input into the AFC process, AFC flowgate analysis review including the addition of flowgates, improvements in Reliability Coordinator/Tariff Administration coordination, and progress on the consolidated list of issues from the stakeholders.

Roberto Paliza and Mr. Davis discussed the number of new flowgates and the overall number of flowgates. Cameron Warren, Entergy, discussed the status of the flowgates and their impact on the AFC process.

Agenda Item 9- SIS Task Force

Ben Roubique, SPP, delivered the System Impact Studies Task Force (SISTF) update. Significant progress has been made by the task force on reporting of negative AFC, failure to show TDF values, and lack of complete cost estimates. They have also reviewed the Attachment T Guiding Document.

Agenda Item 10- ICT 2011 Base Plan Update

Brandon Hentschel, SPP, provided an update on the ICT 2011 Base Plan including complete, future, and additional projects for the base plan. The update also included discussion on mitigation plans, the 2012 RA Scope document, and the 2011 Base Plan/Construction Plan Differences Report filed February 28th.

Several of the stakeholders had questions about the designations of load pockets, specifically the WOTAB area and the ALP. Mr. Hentschel took an action item to review and bring back to the stakeholders a response indicating whether those areas would be considered as load pockets in the Reliability Assessment. Jennifer Vosburg requested and Mr. Hentschel agreed to have a response no later than April 8, 2011.



Agenda Item 12- WPP Task Force

Antoine Lucas, SPP, presented the WPP Task Force report. The weekly summary of results was presented from January 22nd through March 18th. Mr. Lucas also discussed the WPP Task Force Transparency Recommendation and the second round of WPP QF Put proposal testing.

Roberto Paliza inquired about the summary of results, specifically the lack of Hold Harmless provisions. Mr. Lucas stated there were several factors, most notably the higher load conditions during the period.

Several stakeholders discussed Entergy's responses to the Transparency Recommendation and the ICT's response. Mr. Lucas stated the ICT is working with the SPP RTO on market monitoring to help with the response. Mr. Lucas took an action item to set up a conference call with the SPC to discuss the ICT's response to the Transparency Recommendation. Jennifer Vosburg asked if the E-RSC would be addressing this subject. Sam Loudenslager, Arkansas Public Service Commission, stated the E-RSC Working Group would be waiting on the SPC and the ICT response before addressing the issue.

Tina Lee, KGen Power, discussed the offer period extension proposal. Glen Bernstein discussed timing within the offer extension period. Becky Turner, Entegra Power Group/UPP, asked if there would be any changes to the input format with the extension. Mr. Lucas responded that there would be none that he is aware of.

Open Items Review

Tony Green reviewed the changes for the ICT pages on the SPP website. The format will reflect the new task forces and ICT SPC structure, along with an ICT calendar of events and a common phone number for use by all ICT SPC task forces.

The next ICT SPC meeting will be held in June and will be a teleconference with WebEx. The meeting date will be set by the SPCCC.

Agenda Item 13- Action Items Review

Action items:

1. Tim Phillips, SPP, will organize a Users Group teleconference to discuss next steps in addressing the errors and lack of data reported in the Users Group Assessments.
2. Tony Green, SPP, will verify Issue Trak response times.
3. Don Shipley, SPP, and Jason Davis, SPP, will prepare a follow up meeting with Roberto Paliza for comments on the AFC Benchmarking Focus Group.
4. Brandon Hentschel, SPP, will provide a response on the analysis of load pockets in the 2012 Reliability Assessment prior to April 8, 2011.
5. Antoine Lucas, SPP, will organize a WPPTF teleconference on the response to the WPP Transparency Recommendation.



Agenda Item 12- Adjournment

Meeting adjourned at approximately 11:30 a.m.

Respectfully Submitted,

Bruce Rew



Southwest Power Pool, Inc.
ICT STAKEHOLDERS POLICY COMMITTEE MEETING
May 16, 2011
Teleconference and Webex

• Draft Meeting Minutes •

10:00 a.m. – 12:00 p.m.

Agenda Item 1- Introductions and roll call

Tony Green, SPP, called the meeting to order at approximately 10:00 a.m. with a roll call of those present and registered for the meeting. There were 24 in attendance by teleconference.

Agenda Item 2- Agenda Review

Bruce Rew, SPP, reviewed the agenda which was posted prior to the meeting on the SPP website and available at the meeting. No changes to the agenda were presented.

Agenda Item 3- Transmission Metrics Project update

Jennifer Vosburg, NRG Energy, discussed the transmission metrics project. Information is available to rank the top five metrics the stakeholders deem the most important. Work on ranking the metrics will begin within the next two weeks and should be complete by August.

Agenda Item 4- AFC flowgate list additions

Cameron Warren, Entergy, delivered a presentation on the 2011 AFC flowgate analysis. Jennifer Vosburg asked if planned or unplanned outages were included in the analysis. Mr. Warren stated they were included only using temporary flowgate analysis. Kip Fox, AEP, inquired if the new flowgates were now in the model. Mr. Warren responded that the flowgates were added into the models before the end of March of this year.

Ms. Vosburg and Roberto Paliza, Paliza Consulting, LLC, discussed with Mr. Warren Base Case Overloads and Base Case Contingency Overloads (BCCO) and how the two were used in the process. Ms. Vosburg asked Jason Davis, SPP, if the ICT reviewed the new flowgates for BCCO. Mr. Davis replied the ICT did not have as part of its procedures to review the flowgates for BCCO. Mr. Paliza, Mr. Davis, and Ms. Vosburg had further discussion on the flowgates, including short term/long term and the benchmarking efforts of the AFC Task Force. Tina Lee, KGen Power, asked if research could be done to see how many of the 65 flowgates had BCCO. Mr. Warren responded research could be done, but could not commit to a time frame for that information to be delivered. Mr. Davis took an action item to include the discussion of the new flowgates in the AFC Task Force meeting in June. Determination will be made for the next steps in the process at that meeting.

Agenda Item 5- April TLR event update

Don Shipley, SPP, discussed the April TLR events and updated the stakeholders on the actions taken to resolve the issues. Mr. Shipley detailed the activities and responses of the Reliability Coordinator during the series of events and how those were reported. George Heintzen, Conway Corporation, asked if Mr. Shipley could give further details about the TLR5 reporting process. Mr. Shipley explained how the TLR5 reports were produced for the series of events, and that he would verify that the filed reports had the correct times for the events. Cameron Warren discussed Entergy's response. Kip Fox asked if any native load was curtailed. Mr. Shipley stated no native load was curtailed. Bruce Rew stated that the TLR event would be highlighted and reviewed at the ERSC meeting.

Mr. Shipley also discussed with Becky Turner, Entegra Power Group, a temporary flowgate question and the updating of the model. Mr. Shipley took an action item to ensure the model is correct before the end of the day.

Jennifer Vosburg discussed the event of April 21st and its effects prior to the Easter Weekend. Ms. Vosburg was concerned with the level of attention and communication the ICT provided during the event. Bruce Rew took an action item for the ICT to review the event and Ms. Vosburg's comments, and determine how the ICT could improve communication and actions in that situation.

Agenda Item 6- ALP and WOTAB base plan modeling

Ben Roubique, SPP, discussed the ICT position that ALP and WOTAB would not be considered load pockets for the 2012 Reliability Assessment. Several stakeholders asked Mr. Roubique questions on the ICT's analysis and opinion. These included whether Entergy and/or merchant generation was considered, MBPC study as compared to this analysis, and base plan analysis theory. Kip Fox asked if a NERC standards change would impact the ICT analysis and cause a redetermination. Mr. Roubique stated that the ICT would do a new analysis based on new standards. Antoine Lucas, SPP, discussed the intent of the stakeholders for this analysis. Mr. Lucas took an action item to discuss with stakeholders a 1-off study to validate the ICT's analysis.

Agenda Item 7- Action Items Review

Action items:

1. Jason Davis, SPP, will add the process of the 2011 AFC flowgate analysis to the AFC Task Force agenda in June.
2. Don Shipley, SPP, will have model corrections completed for the flowgate discussed with Becky Turner on May 16, 2011.
3. Bruce Rew, SPP, will discuss and review the TLR events for April at the next ERSC meeting.
4. Don Shipley will review the filed TLR5 reports for the April events and verify the dates are correct.
5. Bruce Rew will review the actions and response of the ICT for the April 21st event and determine improvements for communication with the stakeholders.



6. Antoine Lucas, SPP, will determine if the stakeholders require a 1-off study to validate the ICT opinion that ALP and WOTAB are not considered load pockets for the 2012 Reliability Assessment

Agenda Item 8- Adjournment

Meeting adjourned at approximately 11:40 a.m.

Respectfully Submitted,

Bruce Rew

Action items from the 3/17/11 and 5/16/11 ICT SPC meetings and resolutions:

03/17/11

1. Tim Phillips, SPP, will organize a Users Group teleconference to discuss next steps in addressing the errors and lack of data reported in the Users Group Assessments.
 - **Teleconference held April 18, 2011. Review of 3/31/11 Users Group Report has been posted to the SPP website under the Users Group folder. Current report to be delivered at the 06/29/11 meeting with greater details.**
2. Tony Green, SPP, will verify Issue Trak response times
 - **Don Shipley discussed in person at the 6/29/11 ICT SPC Meeting.**
3. Don Shipley, SPP, and Jason Davis, SPP, will prepare a follow up meeting with Roberto Paliza for comments on the AFC Benchmarking Focus Group.
 - **The AFC Benchmarking Focus Group met 4/5/11. Don and Jason answered Roberto's submitted questions (Agenda Item 4). Minutes are available at the SPP website under the Joint ICT SPC AFC TF/RTF documents.**
4. Brandon Hentschel, SPP, will provide a response on the analysis of load pockets in the 2012 Reliability Assessment prior to April 8, 2011
 - **On 5/11, ICT issued a response for the load pocket analysis. The item was reviewed in the 5/16/11 ICT SPC meeting. A further analysis was done by the ICT that will be presented at the 6/29/11 ICT SPC meeting.**
5. Antoine Lucas, SPP, will organize a WPPTF teleconference on the response to the WPP Transparency Recommendation.
 - **Antoine Lucas delivered and reviewed the ICT's response to the WPP Transparency Recommendation in the 5/9/11 WPP Teleconference. Agenda and materials are posted on the SPP website under the WPPTF minutes and documents.**

05/16/11

1. Jason Davis, SPP, will add the process of the 2011 AFC flowgate analysis to the AFC Task Force agenda in June.
 - **Flowgate analysis was agenda item 6 for the 6/15/11 AFC Task Force meeting. The flowgate analysis report and presentation have been posted on Entergy's OASIS**
2. Don Shipley, SPP, will have model corrections completed for the flowgate discussed with Becky Turner on May 16, 2011.
 - **Don Shipley discussed in person at the 6/29/11 ICT SPC Meeting.**
3. Bruce Rew, SPP, will discuss and review the TLR events for April at the next ERSC meeting.
 - **Bruce Rew spoke to the ERSC at the 5/19/11 meeting in Carmel, IN. There transcript of the meeting and Mr. Rew's comments are available at the SPP website under the ERSC Meeting Minutes and Transcript folder.**
4. Don Shipley will review the filed TLR5 reports for the April events and verify the dates are correct.
 - **Don Shipley discussed in person at the 6/29/11 ICT SPC Meeting.**
5. Bruce Rew will review the actions and response of the ICT for the April 21st event and determine improvements for communication with the stakeholders.
 - **Lanny Nickell delivered a proposal for OASIS Posting procedures for information concerning TSR processing and AFC calculation at the 6/29/11 ICT SPC Meeting.**
6. Antoine Lucas, SPP, will determine if the stakeholders require a 1-off study to validate the ICT opinion that ALP and WOTAB are not considered load pockets for the 2012 Reliability Assessment
 - **Antoine Lucas provided a presentation on the WOTAB and ALP N-1, G-1 Sensitivity at the 6/29/11 ICT SPC Meeting.**

TLR 5 Analysis Report

- Reports to be posted to Entergy OASIS within 20 business days of the event.
- Reports to contain category information using levels from the table below, which will be posted to Entergy’s OASIS.
- Report content to be changed to the format listed in the document provided.
- Effective date for the reports: July 1, 2011

Category Information:

Category	Meaning	Detail	Additional Action Needed
1	Abnormal	An event that is not typical for the RC Area.	None
2	Unplanned Event	Weather-related and/or in response to an unplanned event.	None
3	Habitual	Off-peak condition, response to Entergy environment, planned or unplanned outage that typically causes a TLR event.	Coordination with Long-Term Planning, possible Follow-up Report for Regulators
4	Significant	More extreme TLR events with reaction to system, stakeholders, requiring investigation and reporting, with a larger impact.	Internal/External Meetings, Operating Plan development, written report to ERSC within 60 days.

Movement between categories is determined by the ICTE RC staff (Director or Supervisor). If an event changes category, the new information will be posted as an addendum to the original report.

ICTE Reliability: TLR 5 Event Analysis Report

Event Date: *mm/dd/yyyy*

Flowgate Number and Name: *#### - flowgate name with kV*

Category: *1, 2, 3 or 4*

Metrics Table:	2
Flowgate information at the time of the TLR 5 issuance:	2
Planned or Unplanned Generation Outage(s):	2
Planned or Unplanned Transmission Outage(s):	2
Root Cause:	2
AFC Limitations before, during and after the TLR Event:	2
Screenshots for CMR and NERC IDC Hourly Information:	2
RC Log Information during the Event:	2

Metrics Table:

Event Start/End, Level, TLR5 Duration, Firm MW Curtailed, NonFirm MW Curtailed, NNL

Flowgate information at the time of the TLR 5 issuance:

Flow on Contingent and Monitored Element, Line Rating, and PC MVA.

Planned or Unplanned Generation Outage(s):

(confidential - needs discussion)

Planned or Unplanned Transmission Outage(s):

(possibly confidential for entities outside of Entergy)

Root Cause:

Detailed statement of the cause.

AFC Limitations before, during and after the TLR Event:

AFC information as provided in current TLR reports.

Screenshots for CMR and NERC IDC Hourly Information:

Screenshots as provided in the current TLR reports.

RC Log Information during the Event:

Log detail as provided in the current TLR reports.

A nighttime photograph of a city skyline reflected in a body of water. The buildings are illuminated, and their lights are mirrored in the calm water. A bridge is visible on the left side of the frame.

Helping our members work together to keep the lights on...
today and in the future

 **SPP** *Southwest
Power Pool*

Entergy Users Group

Update to the
ICT Stakeholders Policy Committee

June 29, 2011

Tim Phillips
tphillips@spp.org · 501.614.3562



Section 1

Assessment and Findings

Assessment

- **Conducted on 5/17/11 for the period 2/11 through 4/11**
- **Assess data retention processes to provide reasonable assurance that the processes will prevent data loss.**
- **Assessment Methodology:**
 - **Sample evidence of the full and incremental backup processes**
 - **Sample evidence of the test restoration process**
 - **Sample AFC data storage on EMS and online file server**
 - **Verify evidence of tape storage maintenance**
 - **Discuss AFC/HDR data and end of life issues**
 - **Review FERC Filings**

Assessment

- **Entergy developed more efficient and reliable data backup, archival and retention procedures**
- **Entergy made significant improvements and implemented remediation plans based on the previous recommendations**
- **Auditable processes were not finalized and in place until the end of the assessment period**
- **The ICT was not able to perform the audit to examine data retention processes for the 1st quarter 2011 assessment**
- **ICT will conduct the 2nd quarterly assessment according to the regular audit program and testing procedures**
- **Entergy provided the results of an internally performed gap analysis of the quarter including the steps taken to remediate any issues found**
- **Entergy provided documentation of immediate actions taken to correct previously reported issues**
- **The ICT will revise the audit program and testing procedures to account for Entergy's improved processes**

Achievements

- **Entergy added resources for the remediation work to be expedited. Entergy increased staff from 2 to 3.5, added a Project Manager, added technical resources on an as needed basis to create scripts and support in the technical writing of departmental procedures**
- **Entergy put forth a focused effort by holding daily meetings with compliance, Operations IT and Entergy leadership**
- **Entergy automated log creation and verification of data for the Media Error report and Activity logs reducing the need for manual steps**
- **Entergy implemented nightly checksum procedures to verify the integrity of the newly automated NetBackup Activity logs**
- **Entergy documented and implemented procedures for separating the ongoing archival of HDR/AFC/WPP data**
- **Entergy performed a mock audit with Entergy's Internal Compliance teams, including the Internal Audit Department, to field test documentation and train the staff in audit expectations**
- **Entergy updated documentation to reflect the ICT's recommendations and NetBackup Version 6 backup and archival system requirements**
- **Specific procedures updated were: Backup Monitoring, Archival Process, Audit Preparation, Post Upgrade Archive Media Testing, AFC Data Archival & Storage, Electronic Data Backup and Retention and AFC Data Archival to DVD**

Recommendation Responses

- **Completed:**
 - **implement automated tools for collection, review, and testing processes for both backup and restoration to aid in addressing scheduling and task completion issues and provide real-time verification of ongoing weekly and incremental backups**
 - **better define and document a set of requirements for investigating, documenting, resolving and reporting backup failures**
 - **expedite efforts to design and implement more effective and efficient means of performing AFC and WPP data backup processes including a timeline for completion**
 - **expedite efforts to complete revised AFC and WPP backup process documentation and provide the revised processes to the ICT**
 - **minor process improvements be made to ensure review and approval are obtained and documented within Remedy prior to any data deletion**
 - **establish a remediation plan to become current with all AFC data storage procedures**

Recommendation Responses

- **Completed:**
 - establish and communicate a plan to resolve the AFC/HDR data archival issue
 - update process documentation related to Entergy's AFC data retention process
 - data to be restored for a specific point in time during the 11/1/2010 to 1/31/2011 period to provide a reasonable assurance that data was not lost
 - Develop Backup/Archive Plan to include all findings from ICT and Entergy's review of the AFC Data process
 - Electronic data backup, including verification of backup process completion, media rotation, media handling, identification of tape/DVD contents, and handling failures of the process
 - Electronic data restoration, including periodic restoration testing of the backup media and handling failures of the process, and ensuring obsolete data is promptly deleted from the restoration test server

Recommendation Responses

- **Completed:**
 - Ensuring archived AFC data can be restored from backup media (tape and DVD) following a technology (HW or SW) upgrade
 - Data retention, specifically any data whose retention is required by FERC including AFC data and its deriving components
 - Backup media (tape and DVD) storage, including storage environments, offsite storage, media inventory, media tracking, and disposition of media upon end of life
 - ensuring OASIS posting data older than three months is promptly deleted from the ET.Com website to prevent OASIS posting failures due to insufficient disk space.
 - Responding to requests for AFC data
- **Pending**
 - Entergy should consider utilizing Remedy to automatically generate an Incident ticket when Veritas generates a backup failure email to document and track backup failures as they occur

Findings

- **February 2011 Gap Analysis**
 - **Entergy reported that resource constraints caused several tapes to go unverified and/or to not be shipped offsite in a timely manner. To remediate this issue, new resources were added, processes were simplified for backup operators, cross training was performed so any team member can make sure these critical tasks are completed daily, and all unverified tapes were verified and shipped offsite.**
- **No other issues were reported for February.**

Findings

- **March 2011 Gap Analysis**
 - **Entergy reported that on March 4, 2011 the verification of the offsite tape was not performed before it was sent offsite. The tape was subsequently collected and verified. The onsite tape for the same period, however, was verified successfully as required by Entergy procedure.**
 - **Entergy reported that system errors caused data backups for TSEMS for March 18 to March 27 to fail. Entergy found that system errors caused the network interface to reset all communication connections. This condition failed all backups that were currently active on the system. Entergy reported that the system was stable enough to complete an incremental backup but not full backups. Due to this issue, backup operation staff attempted multiple full backups that all reported a failed status. To ensure the recoverability of the system data, the backup operation staff forced incremental backups between full backups. These incremental backups would allow Entergy to go to the last full backup and restore the system to date. A full backup completed successfully and verified from the weekend of March 26, 27. Entergy noted that the full backup cycle took until March 29 to complete. Remedy Incident tickets were generated to document and address this issue.**
- **No other issues were reported for March, 2011**

Findings

- **April 2011 Gap Analysis**
 - **Entergy reported that the onsite full backup for April 2, 2011 failed due to a defective tape. However, the offsite full backup was completed and verified successfully. Entergy has ‘frozen’ the defective tape and stored it in the onsite vault.**
 - **Entergy reported that the offsite tape for April 15, 2011 was sent offsite before all data was verified. Entergy confirmed that the onsite tape for that time period was verified correctly.**
- **No other issues were reported for April 2011.**

Section 2

FERC Filings

FERC Filings

Summary of Docket No. ER05-1065-000 Filings:

Period	Issues Filed	AFC Related	Discovered By:			Caused By:			Issues Corrected
			ICT	Entergy	Customer	OATI Software Issue	AREVA Software Issue	Human Error	
02/11 - 04/11	8	8	3	5	0	1	1	6*	8
11/10 - 01/11	7	7	2	4	1	0	2	5	7
08/10 - 10/10	1	1	1	0	0	0	0	1	0
05/10 - 07/10	8	8	2	4	2	1	3	4	8
02/10 - 04/10	10	8	2	7	1	1	0	8	10
11/09 - 01/10	10	10	6	3	1	5	0	5	10
08/09 - 10/09	1	1	0	1	0	0	0	1	1
05/09 - 07/09	3	1	2	1	0	N/A	2	1	2
02/09 - 04/09	3	3	2	1	0	N/A	1	2	3
Total	43	39	17	21	5	7	8	27	41

*5 Entergy; 1 OATI

- Work is ongoing to verify the data to produce this same chart dating back to 11/06.

FERC Filings

- **March 15, 2011: EMS Network Model**

On 3/1/2011, the ICT identified that a data error existed in one of the reservation files created by the RFCALC Lite software. RFCALC and RFCALC Lite were modeling all available reservations to balance the load of two network customers (Conway and West Memphis). For network customers, RFCALC is required to model only the reservations needed to balance the load and any excess reservations are not modeled in the basecase model but are accounted on proxy flowgates only.

This error was introduced on 2/3/11 at 9:30 AM when modeling changes were performed to remove old definitions of Conway and West Memphis customers from the RFCALC model. These definitions were redefined with new names in January 2011 following ownership changes to those balancing areas. A software error allowed these old definitions to stay in the model database, with an invalid state, even after being removed from the user interface.

Alstom assisted Entergy with the correction of the RFCALC model and the corrected model was put in production on 3/2/11 at 10:30 AM. On 2/28/11, Alstom provided a permanent software correction that Entergy is currently testing before deploying to production. This error had minimal effect on the operating and planning horizons of AFC calculations; generation dispatch, and net interchange. The specific impact on AFCs or individual customers cannot be determined.

FERC Filings

- **March 15, 2011: Network Load**

On February 28, 2011, Entergy identified that the load data for MDEA was incorrectly included in TRAKR software as Native Load. TRAKR is an Entergy energy accounting software application that records energy flows and generation on the Entergy's transmission system and is used to calculate load data. Entergy System Planning and Operations (SPO) uses the load information supplied by TRAKR as an input to create Entergy's Native Load forecast. The Native Load forecast is then used by Entergy Transmission in the AFC calculation process for the operating and planning horizons.

RFCALC was programmed to assume that MDEA Load was not included in the Native Load values from TRAKR. RFCALC adds MDEA Load to the Native Load forecast, which duplicated the MDEA load values. The load information from TRAKR is also used in the posting of Actual Peak Load Postings on OASIS.

This error was introduced into the AFC calculations on May 13, 2008 when the TRAKR CType setting for MDEA_-LOAD was modified to include the measured load as Native Load. The impact of this error on AFC calculations is technically not able to be determined. Due to the size of MDEA load in relation to the total system load, any affect would have been minimal for any Entergy customer that might have been affected.

Entergy has performed an extent of condition review for the TRAKR settings and is in the course of correcting those settings. As part of these corrections the MDEA load will be excluded from Entergy's Native Load value. Entergy is also enhancing the process to periodically review appropriate TRAKR settings.

FERC Filings

- **March 30, 2011: Net Schedule File**

On 3/11/11, while performing newly developed system checks in preparation for the Daylight Savings Time (DST), Entergy discovered that the Net Schedule File had hours shifted for the day of 3/13. The Net Schedule File is only used in the AFC process during the Operating Horizon. The Net Schedule File contains 72 hours of data out of which only the first 36 hours are used as an input to RFCALC for the AFC process. The incorrect schedule data was present in the file on 3/11 and only impacted schedules for 3/13. An emergency change was made to the software on 3/11 and the issue was resolved before the day of 3/13 entered operating horizon. Therefore, the incorrect data for 3/13/11 was not used in AFC process.

Upon further investigation, it was discovered that the software logic incorrectly handled schedules during the Spring DST change in 2008, 2009 and 2010. The error was introduced in March 2007 after the Spring DST change when the Net Schedule File logic was modified. The error potentially impacted the non-firm AFC calculations in the Operating Horizon on 3/8/08 1200 until 3/9/08 0300; 3/7/09 1200 until 3/8/09 0300; and 3/13/10 1200 until 3/14/10 at 0300.

This error potentially affected customers requesting non-firm service in the Operating Horizon during the time periods mentioned above. Due to an administrative error Entergy has filed this error report more than 15 days past the date of discovery.

FERC Filings

- **April 6, 2011: Incorrect webTrans Parameter**

On March 24, 2011 at 4:22 PM, Entergy reported to OATi that a Transmission Distribution Factor (TDF) data shift issue was discovered. It was determined that a Transmission Provider Parameter in webTrans was incorrectly changed on 3/6/11 to account for Daylight Savings Time change. This may have resulted in webTrans incorrectly using data supplied by RFCalc. When the data is received, webTrans applies the applicable Response Factors to determine the impact new requests will have on the relevant flowgates and approves or denies the request based on that impact. The ICT then determines the final status of each Transmission Service Request (TSR) based on the information provided by webTrans. This error may have resulted in the evaluation provided by webTrans for use by the ICT to be incorrect. Additionally, this error could have affected the results Scenario Analyzer returned to customers.

This error potentially impacted any customer's TSRs processed from 3/6/11 until corrected by OATi on 3/25/11 at 5:16 PM for the Operating and Planning Horizons. Entergy has determined it is not technically feasible to determine the exact impact on AFC calculations or on customers. However, any impact would be minimal since the TDF value changes are small between each time shift.

FERC Filings

- **April 19, 2011: Incorrect Existing Transmission Commitment (ETC) Report**

On 4/5/11, the ICT contacted Entergy and requested a review of several calculated AFCs for certain flowgates. During the review process, Entergy determined that two ANNULLED transmission service requests (TSR) (1689098 and 1690611) were incorrectly included in the Planning Horizon ETC Report used in webTrans to adjust baseflow calculations. This resulted in the amount of AFCs available for source BCAJUN2_PMAX and sink CWAY_TIECAPI being improperly elevated. Entergy reported this issue to OATi and it was determined that a software error existed in the ETC report logic.

The above error was limited to the time period beginning when the Planning Horizon resync occurred on 3/24/11 at 18:54 until the Study Horizon resync was completed on 4/8/11 at 14:55. The Planning Horizon files did not include the two ANNULLED TSRs in the baseflow calculation while the Study Horizon did, Therefore, when included in the Planning Horizon ETC report incorrectly, the ANNULLED TSRs incremented the available AFCs. This error potentially impacted any customers requesting service on this source/sink if it was queued during this time frame where the service spanned both the Planning Horizon and Study Horizon. The customers potentially affected were Cargill, NRG and CLECO Power. The error would not have resulted in any denial of transmission service because AFCs over the impacted flowgates were elevated by 125 MW. Additionally, this error affected the Scenario Analyzer results returned to customers. Entergy is in the process testing the software change provided by OATi.

Entergy has determined that twenty-one TSRs could have been affected. The impact on any specific TSRs cannot be determined.

FERC Filings

- **April 26, 2011: Tiecaps**

On 4/12/11 Entergy discovered that some transfer paths in study horizon did not have the TIE flowgates associated with the transfer path. This error was introduced on 2/19/11 when a Proxy Flowgate for LAGN was removed. As a result, the software logic was not recognizing any flowgates for the LAGN Control Area. This resulted in any TSRs sourced from the LAGN Control Area to any non EES point of delivery (POD) not impacting the appropriate TIECAP. Therefore, there appeared to be more transmission service available than actually existed. A manual fix was put in place on 4/14/11 at 17:02 until the permanent software fix, provided by PowerGem, was implemented 4/15/11 at 12:11 when Entergy completed the Study Horizon resync.

Customers requesting service from the LAGN Control to non EES POD may have been granted monthly service in the Study Horizon when it may have been unavailable. It is not technically feasible to determine the exact impact on AFC calculations or on customers. This error had no impact on the Operating and Planning Horizons AFCs because the error was limited to monthly AFCs for Study Horizon only.

FERC Filings

- **April 26, 2011: Incorrectly Assigned Contingent Element**

On 4/12/11, the ICT notified Entergy that the contingent element for flowgate GRFIN_GRFHS was incorrectly assigned as BOTKIN_MARSJ25 (C097) instead of GRER_F_N5 (C079). This error was a result of an incorrect manual input to RFCALC on April 1, 2011. Although the error existed from April 1, 2011 until corrected by Entergy April 12, 2011 at approximately 16:30, the error only potentially impacted service for the following dates for operating and planning horizon only:

April 8 – 10, April 14 – 17, April 22 – 24, April 29 and 30, May 1, May 6 – 8, and May 13 – 15.

This error resulted in an inaccurate Line Outage Distribution Factor (LODF) being used in the AFC calculations which may have caused the GRFIN_GRFHS to have been incorrectly included or excluded from the top 15 flowgates. The exact impact on AFC calculations or specific customers potentially impacted has been determined at this time.

ICT NOTE: The last sentence of the Incorrectly Assigned Contingent Element filing should have finished with “has NOT been determined at this time”.

FERC Filings

- **April 26, 2011: Net Schedule File**

On 4/13/11, Entergy discovered that the Net Schedule file used in Operating Horizon for AFC calculations did not update from 15:00 to 18:00, 20:00 and 23:00 and again on 4/14/11 at 01:00. The Net Schedule file contains 72 hours of data and is used as an input to RFCALC for the AFC process. The file used for times above did not include updated schedule information.

As a result of a firewall change, the database systems that contain the Net Schedule file could not transfer the information to the EMS Systems. An interim fix was put in place 4/13/11 at 19:30; however, with the failure to update recurrence on 4/14/11 at 01:00, Entergy began monitoring the Net Schedule File transfer to EMS systems to ensure it was completed successfully. The firewall changes to permanently resolve the issue were made 4/20/11 at 14:00.

This error potentially impacted non-firm AFC calculations in the Operating Horizon. Specific customer potentially impacted could not be identified. Additionally, it is not technically feasible to determine the exact impact on AFC calculations.

Questions?

User's Group conference call will be scheduled soon.

**The full user's group report will be filed in the ICT
Quarterly performance report.**

WOTAB & ALP N-1,G-1 Sensitivity

June 2011

Brandon Hentschel

bhentschel@spp.org

501.688.1603



Acadiana Load Pocket Sensitivity

- **No additional analysis is needed**
 - **Teche 3 is the largest generator in the ALP**
 - **Teche 3 is offline in the long term powerflow models**
 - **The 2012 Reliability Assessment N-1 analysis will capture the issues in the ALP area**

WOTAB N-1,G-1 Scope

- **2017 Summer - 2010 Series U2 with Approved CP**
- **N-1, G-1 Scenarios analyzed**
 - **Sabine Unit 4 offline**
 - Mount Olive - Hartburg 500kV
 - Cypress – Hartburg 500kV
 - Webre – Wells 500kV
 - Big – Three Sabine 230kV
 - Hartburg – Inland Orange 230kV
 - Nelson – Hartburg 500kV
 - **Nelson Unit 6 offline**
 - Mount Olive - Hartburg 500kV
 - Webre – Wells 500kV
 - **Acadia ST offline**
 - Webre – Wells 500kV

WOTAB N-1,G-1 Scope (Continued)

- Monitor 69kV and above on Entergy and its internal areas
- Identify N-1,G-1 overloads if:
 - Flow > 100% of rate B
 - The N-1,G-0 condition doesn't produce the same overload
- Identify N-1,G-1 voltage if:
 - Outside this range ($.92 < V < 1.05$) per unit
 - N-1,G-0 condition doesn't produce the same voltage issue

G-1,N-1 Results

- **Overloads**

- Terrebone – Greenwood - Humphrey 115kV (Nelson U6,Webre-Wells 500kV)
- Leach – Toledo 138kV (Sabine U4, Cypress-Hartburg 500kV)
- Mid County – Port Neches Bulk 138 kV (Sabine U4, Cypress-Hartburg 500kV)
- Newton Bulk – Toledo 138kV (Sabine U4, Cypress-Hartburg 500kV)
- Cypress – Bevel 230kV (Sabine U4, Hartburg - Inland 230kV)
- Helbig – McLewis 230kV (Sabine U4, Cypress-Hartburg 500kV)

G-1,N-1 Results (Continued)

- Voltage
 - The G-1,N-1 scenarios didn't produce any voltage issues that were not projected under N-1 conditions

Overload Information

- **Terrebone – Greenwood – Humphrey 115kV**
 - Horizon CP Project : Construct new Terrebone to Greenwood to Humphrey 230 kV line - Operate at 115 kV (2018)
- **Newton Bulk – Leach – Toledo 138kV**
 - Overloads for N-1 conditions in the winter cases starting 2013 (mitigated by an op-guide)
 - Horizon CP Project : Toledo Bend to Leach 138 kV - Upgrade line (2015 Winter)
 - Horizon CP Project : Leach to Newton Bulk 138 kV - Reconductor line (2016 Winter)

Overload Information (Continued)

- **Cypress – Bevil 230kV**
 - Horizon CP Project : Upgrade Cypress-Amelia 230kV (2017)
- **Helbig – McLewis 230kV**
 - Overloads for N-1 conditions in the 2013 and 2014 winter cases
 - Horizon CP Project : Helbig to McLewis - Reconductor with ACCC (2016)
- **Mid County – Port Neches Bulk 138 kV**
 - Overloads for different N-1 conditions starting 2018 Summer

Conclusion

- Entergy has identified projects in their Horizon CP to address all of the overloads identified in this analysis
- The majority of the G-1,N-1 overloads identified showed up under N-1 conditions within the 10 year horizon
- No need to perform additional load pocket sensitivities on ALP, WOTAB

Attachment 4

From: Benjamin Roubique
Sent: Thursday, August 04, 2011 16:23
To: Becky.E.Turner
Subject: Redispatch of Amite South generator for load pocket studies

Becky,

You had inquired about the dispatch of generation under the N-1, G-1 studies that the ICT performs, particularly in Amite South at the most recent SPC meeting.

When the ICT is performing these studies, we will first take the generator that is under study out of service (G-1). We will then perform an economic dispatch on the model, excluding generation from within the load pocket from participating in that redispatch. Therefore, any replacement power required to accommodate the loss of the generator is delivered from outside of the load pocket.

Let myself or Brandon Hentschel know if you have any questions.

Ben Roubique, P.E.
Supervisor, Inter-Regional Planning
Southwest Power Pool
Email: broubique@spp.org
Phone: 501-614-3331
Mobile: 501-350-5823

Attachment 5

From: Becky.E.Turner [mailto:BTurner@entegrapower.com]
Sent: Wednesday, July 27, 2011 12:59
To: Benjamin Roubique; Antoine Lucas
Cc: John.C.Heisey; Richardson, Bruce
Subject: 7-19-2011 Entergy Error Report - Office Communication

Antoine and Ben,

See the paragraph below. If the PUPP generation was not modeled correctly, that is, was lower than what was scheduled from the PUPP control area via transmission service requests, then it seems that transmission service on Entergy's system may have been over sold and may have resulted in real-time congestion. On the other hand, if the generation was higher than what it should have been, UPP and others may have been denied transmission service in error.

Given the volume of TLRs on Entergy's system since 5/30/2007 and the MWhs of curtailment experienced by UPP, and given the amount of congestion in the AFC models preventing the sale of transmission service over the last 4+ years, I believe that the impact of this error should be further evaluated. How can it be "not technically feasible" to determine impacts on AFCs? Aren't the models archived? If so, it seems that a more robust analysis of the impact of this error could and should be performed. If not, how is the data preserved for auditing purposes. Thank you for your attention in this matter.

Becky Turner
Entegra Power Group LLC
813-301-4925

Generator Dispatch

On July 7, 2011, the ICT contacted Entergy questioning the dispatch of Union Power generation daily peak models for July 16, 2011. Upon further investigation, Entergy discovered that interchange control for PUPP was being turned off inadvertently in RFCALC due to a software error that caused the dispatch of PUPP generators to be different from the expected dispatch commitments and schedules, for some time points. This software error in RFCALC potentially caused inaccurate flows used for AFC calculations for some flowgates. A manual work around was implemented on July 7, 2011 at 5:05 PM for the Operating Horizon and 5:20 PM for the Planning Horizon. The software fix has been provided by Alstom (formerly AREVA) and is being tested. This error has been introduced on May 30, 2007 when a new version of RFCALC software was deployed. This error potentially affected any customer requesting transmission service in operating and planning horizons. It is not technically feasible to determine the exact impact on AFC values.

From: Jason Davis
Sent: Friday, August 05, 2011 3:16 PM

To: Turner, Becky
Subject: RE: 7-19-2011 Entergy Error Report - Office Communication

Becky,

We forwarded your questions to Entergy and they have provided the attached as a response.
Let me know if you need anything else

Thanks,

Jason Davis
Southwest Power Pool
Office: 501-614-3374
jdavis@spp.org
From: Jason Davis
Sent: Friday, July 29, 2011 3:30 PM
To: Turner, Becky
Subject: RE: 7-19-2011 Entergy Error Report - Office Communication

Becky,

Ben forwarded this to us, we are looking into your questions and will follow up with you next week.

Thanks,

Jason Davis
Southwest Power Pool
Office: 501-614-3374
jdavis@spp.org

From: Turner, Becky
Sent: Tuesday, August 09, 2011 10:09 AM
To: Jason Davis
Cc: Paliza, Roberto; John.C.Heisey; Richardson, Bruce; Don Shipley; Schmidt, Kristine; Sam Loudenslager
Subject: Entergy Response - Official Communication

Regarding the attached explanation by Entergy for the error report filed at FERC on 7/19/2011:

I believe there may be some confusion about the questions that Entegra ask about the 7/19/2011 error report filing. Perhaps the request should have been clearer the Entegra was concerned about the "relative" impact of the error that existed in the AFC models from 7/2007 until 7/2011. One approach to measure the relative impact of the error on TSRs and system congestion would be to evaluate the impact of the error for a sampling of cases using actual TLRs or LAPs on the Entergy system in the general vicinity of the Union facility, that is, TLR and LAP events that impacted UPP (as well as others) as a tool to determine the cases to be used in the sampled data.

For instance, the attached spreadsheet shows the schedules that were curtailed on 6/11/2009 due to a level 5 TLR on flowgate #1968, (Baxter Wilson-Ray Braswell 500 FTLO Grand Gulf-Franklin). The OASIS ID for each TSR could be used to determine when the

reservation for the firm service was obtained and then using these time stamps, the models could be evaluated to determine if PUPP's dispatch was correct and if not, did the incorrect dispatch of PUPP impact the availability of firm service, i.e., was the system over sold because PUPP was not dispatched properly in the AFC models.

This approach would not require Entergy to look at 41,916 resynchs, but rather a select sampling that would indicate the relative or material impact on transmission service that this error may have caused.

Thanks, Becky

From: Jason Davis [mailto:jdavis@spp.org]
Sent: Friday, August 26, 2011 5:25 PM
To: Becky.E.Turner
Cc: Don Shipley; Dowell Hudson
Subject: RE: Entergy Response - Official Communication

Becky,

I sent you Entergy's response in a previous email. I just wanted to let you know that we have an internal meeting scheduled next week, and we will follow up with you with an ICT position to the response from Entergy.

Thanks,

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Attachment 6

Entegra Power submitted questions to the ICT related to Entergy's FERC Filing on July 19, 2011. Below are the questions and the answers.

1. How can it be "not technically feasible" to determine impacts on AFCs?

Entergy reported the following error in the AFC process to FERC on July 19, 2011. Below is the specific error with the explanation as to why it is not technically feasible to determine the exact impact on AFC values.

On July 7, 2011, the ICT contacted Entergy questioning the dispatch of Union Power generators in the daily peak models for July 16, 2011. Upon further investigation, Entergy discovered that the area interchange control for PUPP was being turned off inadvertently in RFCALC due to a software issue. This error caused the dispatch of PUPP generators to be different from the expected dispatch computed using reservations and schedules, for some time points. This software error in RFCALC potentially resulted in inaccurate flows used for AFC calculations for some flowgates. A manual work around was put in place July 7, 2011 at 5:05 PM for the Operating Horizon and 5:20 PM for the Planning Horizon. The permanent software fix has been provided by Alstom (formerly AREVA) and is being tested. This error may have been introduced on May 30, 2007 when a new version of RFCALC software was deployed. This error potentially affected any customer requesting transmission service in operating and planning horizon. It is not technically feasible to determine the exact impact on AFC values.

This error resulted in potentially incorrect dispatch of PUPP generators in the powerflow models for certain resynchronizations of RFCALC in the AFC process. The RFCALC software that creates and solves these powerflow models initializes each generator and load in the model based on reservations, unit dispatch files, outages and load forecast. In this particular error, the PUPP generators were initialized correctly, i.e. these generators were set at the correct MW dispatch before RFCALC solved the powerflow model. Before solving the powerflow model, RFCALC performs balancing checks on each control area to ensure that total generation in the area meets the total load and net interchange. If an imbalance exists, then RFCALC modifies the generator outputs within the control area to mitigate the imbalance. If, after modifying the generator outputs the imbalance still exists, then RFCALC sets this control area as Off Area Control. Thus setting the off area control allows the powerflow model to not enforce the pre-computed net interchange for the area during this solution and causing the generators to move away from pre powerflow dispatch. To determine the exact impact of this error, Entergy would have to determine the correct dispatch of PUPP for each Operating and Planning Horizon resynchronizations for the duration of this error and rerun these powerflow solutions with corrected dispatch. For the

duration of this error, approximately 41,916 resyncs occurred making it impossible to rerun powerflows for all these resyncs. Even if a particular resync is rerun with the error corrected, to determine the exact impact of the error, operator and system actions on each Transmission Service Request (TSR) that was updated subsequent to that resync would need to be repeated making it infeasible to determine the impact. The powerflow models for some of the resyncs are saved as PSS/E 26 cases; however, to determine the impact, the powerflows models would need to be solved again in RFCALC with error corrected therefore it is not feasible to determine the exact impact with the saved powerflow models as well.

2. Aren't the models archived?

Entergy archives all models used in the AFC Process.

3. If so, it seems that a more robust analysis of the impact of this error could and should be performed.

See response to Question 1 above.

4. If not, how is the data being preserved for auditing purposes?

See response to Question 2 above.

Attachment 7

On July 19, 2011 Entergy reported a software error in the AFC process to FERC. In summary, the error potentially caused the incorrect dispatch of Union Power generators in some AFC models. Entergy explained that the impact of this error on AFC values or Transmission Service Requests (TSRs) cannot be determined as an impact analysis would require re-simulating a large number of powerflow cases and attempting to replicate operator actions on numerous TSRs. Entegra power requested additional information as to why it is technically in-feasible to perform an impact analysis. Entergy provided a detailed response explaining the technical reason for infeasibility of impact analysis. Entegra responded to Entergy's explanation and stated that Entergy should perform an impact analysis using a sampling of cases using actual Transmission Loading Relief (TLRs) or Local Area Procedures (LAPs) on the Entergy system in the general vicinity of the Union Power facility. The Entegra email stated:

"I believe there may be some confusion about the questions that Entegra ask about the 7/19/2011 error report filing. Perhaps the request should have been clearer the Entegra was concerned about the "relative" impact of the error that existed in the AFC models from 7/2007 until 7/2011. One approach to measure the relative impact of the error on TSRs and system congestion would be to evaluate the impact of the error for a sampling of cases using actual TLRs or LAPs on the Entergy system in the general vicinity of the Union facility, that is, TLR and LAP events that impacted UPP (as well as others) as a tool to determine the cases to be used in the sampled data.

For instance, the attached spreadsheet shows the schedules that were curtailed on 6/11/2009 due to a level 5 TLR on flowgate #1968, (Baxter Wilson-Ray Braswell 500 FTLO Grand Gulf-Franklin). The OASIS ID for each TSR could be used to determine when the reservation for the firm service was obtained and then using these time stamps, the models could be evaluated to determine if PUPP's dispatch was correct and if not, did the incorrect dispatch of PUPP impact the availability of firm service, i.e., was the system over sold because PUPP was not dispatched properly in the AFC models.

This approach would not require Entergy to look at 41,916 resyncs, but rather a select sampling that would indicate the relative or material impact on transmission service that this error may have caused. "

Entergy believes that performing an analysis on sample TSRs during some TLR or LAP events will not likely yield any conclusion regarding the relative impact of this error on AFCs and is not technically feasible. First, the error may have caused an incorrect dispatch for the generators in some of the RFCALC resyncs during the duration of this error; however, the degree by which the dispatch was potentially incorrect could vary from one resync to another. Therefore, if certain resyncs were to be re-simulated correcting for this error and TSRs reassessed using the assumed correct dispatch from the UPP generators, the conclusions could not be generalized to all or most of the resyncs. Performing a sample analysis that may be indicative of the relative impact will statistically require a large sample with many uncertainties related to the criterion used to select the sample. Second, analyzing even one TLR event can be extremely burdensome. For example, the TLR event quoted in Entegra's email has 57 unique TSRs impacted during the identified TLR. Analyzing that event which would require a significant effort that involves analyzing the history of each TSR and then re-simulating several resyncs. Finally, the granting or denial of a TSR in the AFC process cannot be determined as a cause for a TLR/LAP since approximately half of the confirmed Point to Point TSRs do not get scheduled.

Attachment 8



Southwest Power Pool, Inc. ("SPP")
INDEPENDENT COORDINATOR OF TRANSMISSION ("ICT") FOR ENTERGY
SECOND QUARTER 2011 ASSESSMENT
Report to the Entergy Users Group
August 18, 2011

Background

The ICT conducts a quarterly assessment of the Entergy Available Flowgate Capability (AFC) data retention processes to provide a reasonable assurance that data retention processes will prevent data loss. The most recent assessment was performed on May 17, 2011. Conducting the assessment on behalf of the ICT:

Philip Propes, SPP Director Compliance
Tim Phillips, Chair of the Entergy Users Group
Scott Brown, SPP ICT Support Engineer
Erin Jester, SPP Internal Audit

Representing Entergy:

Tim Angel, Supervisor, System Hardware Support
James Nuss, Backup Manager
Connie Wells, Sr. Staff Analyst, Transmission Compliance
Mike Gazzillo, Project Manager
Brian Nuss, Lead Auditor
Warlen Bassham, System Analyst
Matt Briggs, Manager System Integration
Polly Irons, Manager, Transmission, Tariff and Scheduling
John Snodgrass, Archive/ Backup Operator
Len Bassham, Backup Operator
Kevin Major, Archive/Backup Operator
Jade Ivy, Storage Engineer

Assessment Scope and Methodology

On August 18, 2011 the ICT met with Entergy staff to review and discuss continued efforts to improve and automate regular AFC and Weekly Procurement Process (WPP) AFC data retention processes. The ICT examined the regular AFC and WPP data retention processes and investigated FERC Lost, Inaccurate or Mishandled submissions since the last assessment. The ICT also reviewed pending recommendations and issues from the May 2011 assessment.

The ICT performed a random sampling of compliance with key process controls to provide reasonable assurance that AFC and WPP-AFC data retention processes will prevent data loss.

Upon arrival onsite August 18, 2011 the ICT requested Entergy make the following available for inspection:

1. Evidence to verify Energy Management System ("EMS") full and differential incremental backup processes were performed.

- a) Weekly full image backup logs for the dates 5/6/2011 – 5/7/2011, 6/17/2011 – 6/18/2011, and 7/8/2011 – 7/9/2011.
 - b) Daily differential incremental backup logs for the dates 5/24/2011, 6/20/2011, and 7/11/2011.
 - c) Logs created from restoration testing of the above full and incremental backups.
 - d) Transmittal documentation from both Information Vaulting Service (“IVS”) to substantiate tapes created for above backups were sent offsite.
 - e) Tapes that were removed from the rotation during the May 1, 2011 through July 31, 2011 period were properly identified and logged.
 - f) Obtain and review updated process documentation for reengineered data backup procedures.
2. Evidence to verify AFC and WPP data archive backup and restoration processes were performed.
 - a) Remedy service requests from archive cycles performed during April 2011.
 - b) Archive backup logs from archive cycles performed during April 2011.
 - c) Veritas backup logs for the same – April 2011.
 - d) Veritas logs from the restoration testing of archive cycles performed for April 2011.
 - e) Evidence of restored file checksums comparison to backup list checksums for the April 2011 backup to ensure backup process produced no discrepancies.
 3. Evidence of current plus three months AFC data are stored on the EMS and current plus 12 months AFC data.
 4. Evidence of action taken to resolve the issue of AFC data reaching end of life (5 year retention) but collocated on backup archive tapes with Historical Data Retention (“HDR”) data that has 25 year retention.
 5. Root cause analysis of FERC filings for the period.

In addition to the random sampling performed, the ICT reviewed the results of Entergy's internally performed and detailed gap analysis of the quarter including the steps taken to remediate any issues found.

Achievements

The ICT would like to take this opportunity to highlight accomplishments noted during the May 17, 2011 assessment.

- For the period of May 1, 2011 – July 31, 2011 Entergy continued to develop more efficient and reliable data backup/archive and retention procedures.
- The ICT appreciates the transparency Entergy continues to show through the continuous self assessments and gap reporting to the ICT.

Results of the ICT Assessment

Item 1 – EMS Weekly Full and Daily Incremental Backup and Restoration Processes

During the review the ICT found that the 5/6 – 5/7/2011 and the 6/17 – 6/18/2011 weekly full backup processes were completed with delays. The 5/6 – 5/7/2011 full backup delay was due to read errors on two different tapes. All data was successfully backed up by May 10, 2011. The 6/17 – 6/18/2011 full backup delay was due to tape drives being unavailable. All data was successfully backed up on July 9, 2011.



The ICT found that all sampled incremental backups were completed successfully.

The ICT examined screenshots from VaultWeb/VaultTrac (<http://vaultweb.nst-ivs.com>), IVS' internet-based barcode tracking system, of IVS online tape histories for the sampled dates. All sampled tapes were appropriately sent offsite.

During the assessment the ICT recommended that minor process revisions to Entergy's regular AFC and WPP data retention processes were needed. Entergy will provide the updated process documentation when all revisions have been finalized and approved.

See Attachment A for a listing of all gaps reported by Entergy in the full and incremental backup processes.

Item 2 – AFC and WPP Data Archive Backup and Restoration Processes

An inspection of the April 2011 archive backup and restoration logs confirmed that AFC data files were properly backed up to archive and test restored. An examination of the checksum process logs determined that all files archived for the month of April 2011 were successfully transferred from the EMS to online file storage.

The ICT reviewed the April 2011 Remedy incident tickets and found the corporate external review, archive-to-tape process, deletion approval and the deletion action to be complete.

Item 3 – AFC Data Storage

The ICT reviewed evidence to substantiate current plus three months of AFC data was stored on the EMS and current plus 12 months AFC data was stored online. The ICT found that all AFC data was stored as required by Entergy policy and procedure.

Item 4 – HDR/AFC End-of-Life

Entergy acknowledged during the November 2008 assessment that certain AFC data was reaching end-of-life (older than five years) and no longer needs to be retained. This data resides on archive tapes that also contain HDR data for the same time period with a 25 year retention schedule. Entergy is continuing to work to complete a historical data split of the HDR/AFC/WPP data. Entergy plans to install a replacement system for the archival system that is currently in place. The target for completion of this is May, 2012.

Summary of Entergy's internal review and gap analysis results

Upon arrival onsite, Entergy reported the following for the period.

1. Entergy reported the following status on items noted during the May assessment.
 - a. Complete - Complete in-process archival remediation activities on archive back log: AFC/HDR/WPP data archives and ET, COM data archives.
 - b. Complete - Implement an automated data deletion reminder for backup operators.
 - c. Complete – Conduct a review of post-audit lessons learned and share any proposed process improvements with Entergy Leadership and schedule for implementation.



- d. Still in remediation – Complete historical data split of HDR/AFC/WPP data. Plans include a replacement system for the archival system currently in place. Target for completion is May, 2012.
2. Entergy reported several “lessons learned” for the period that will be implemented by the next review.
 - a. Documentation needed further revision:
 - i. Eliminate the “VDump” archive procedure steps which have been determined to be redundant and no longer required.
 - ii. Further revise the PC-DEPT-072 Audit Preparation procedure.
 - iii. Correct and/or remove duplicated steps within procedure documentation.
 - b. Process Review and Training
 - i. Entergy brought additional Backup and Archive Operators on board.
 - ii. Align training of Operators and Leadership.
 - iii. Communication is improving between IT and Compliance through monthly internal audits.
 - c. Backup failures and hardware health checkup
 - i. Aging and ailing hardware replacements are needed and currently in process of being obtained.
 - ii. A replacement for tape technology to use with future archives is budgeted.
 - iii. A WORM based data retention scheme is in development and will be reviewed by compliance in the 2nd quarter. To be implemented in May 2012.

Entergy's Detailed Internal Gap Analysis Results

May 2011 Gap Analysis

Entergy self reported four (4) issues that occurred during the month of May, 2011.

1. System instability caused a reboot of the Tape Library in the first week of May. This was the first of several library failures in the quarter that were trended and subsequently identified a need for the replacement of the library. To remediate this issue Entergy is currently working with a vendor to correct the problem.
2. Offsite backups failed initially for the May 6, 20, and 21. This issue is due to tape failures. To remediate this issue Entergy has ordered new tapes and reviewed the NetBackup logs and hardware.
3. Incremental backup was not performed on May 22nd due to an automated restart of the Saturday full backup. However, the data was backed up normally as part of the May 23rd incremental backup procedures.
4. Entergy was unable to successfully recover the May 27th full backup. To remediate this issue Entergy cloned the offsite tape and retained it as the onsite copy. Entergy noted that the aforementioned problems associated with the Tape Library caused further delay in correcting this issue.



See Attachment A for a listing of all backup gaps identified by Entergy during the period.

June 2011 Gap Analysis

Entergy self reported two (2) issues that occurred during the month of June, 2011.

1. Onsite tape verification for June 3 was delayed due to the May 27th failed restores. The May 27th full backup restores failed multiple times making the restore test take an extended amount of time which caused the tape to freeze. This limited the number of tape drives available while awaiting vendor support. Entergy remediated this issue by manually running the backup. No data was at risk or lost due to this issue.
2. Onsite backup restore procedures failed on June 10 and June 17. Entergy remediated this issue by making copies of the offsite tapes and retaining them onsite.
3. The tape library failed on June 24 through June 27 and had to be restarted. Entergy remediated this issue by replacing the tape drives. However, as a result of the tape library failure the incremental backups did not run June 26 through June 28 until all devices were repaired. A new set of full backups were completed to safeguard the data and all restores were up-to-date as of July 24th.

See Attachment A for a listing of all backup gaps identified by Entergy during the period.

July 2011 Gap Analysis

Entergy reported two (2) issues that occurred during the month of July, 2011.

1. Full backup procedures failed on July 1 and July 2. These backups were automatically restarted. However, as a result of the full backup running later than normal, the following Incremental backup on July 3 was unable to complete. All data was backed up in the July 4 incremental backup.
2. Media errors occurred during the full backups on July 24 and July 31 which caused the Sunday incremental backups to fail on July 25 and August 1. All data was backed up in the following incremental backups.

See Attachment B for a listing of all backup gaps identified by Entergy during the period.

Conclusion

The ICT wishes to thank Entergy for their transparency and efforts to make significant progress toward implementing the ICT's recommendations.

FERC Filings –

Filings made by Entergy to FERC since the 1st quarter assessment was discussed in some depth.

May 5th, 2011

Incorrect Existing Transmission Commitment (ETC) Report



On April 21, 2011 at 08:35, the ICT contacted Entergy and requested a review of AFCs for the AMRN_TIECAPE flowgate. During the review process, Entergy determined that the ETC report was not pulling TSRs for proxy flowgates. This caused webTrans to apply the impact of every TSR in the baseflow to the AFCs (double counting the impacts of the base flow TSRs) in the Hourly Operating and Hourly Planning Horizons.

On April 21, 2011 at 9:43AM OATi confirmed that the issue was related to a software fix put in production on April 20, 2011 at 2:49 PM. The error was corrected on April 21, 2011 at 10:49 AM when OATi removed the patch from production.

This error potentially impacted NRG Power Marketing; Morgan Stanley Capital Group; Cargill Power Markets; The Energy Authority; Westar Energy Generation and Marketing; and Constellation Energy Commodities Group that requested service for the impacted horizons on a proxy flowgate if the request was evaluated during this time frame. The error may have resulted in denial of transmission service because AFCs over the impacted flowgates were incorrectly decremented. Eleven transmission service requests were denied during this time frame but it is not feasible to determine if the denial resulted from this error. This error may also have affected the Scenario Analyzer results returned to customers' queries.

May 25th, 2011

TIECAPs

On May 11, 2011, Entergy discovered that the atc_path.csv file in PAAC for the Study Horizon contained an incorrect path. The file should have had LAGN, LEPA, LEPA_TIECAPI; however, the file contained LAGN_LAGN_LAGN_TIECAPI. This resulted in the LEPA_TIECAPI being excluded in any TSRs that had LAGN as a sourced path. The error was introduced April 15, 2011, when a software change from PowerGem was put in production. The configuration file in PAAC was corrected by Entergy May 11, 2011.

The error resulted in TSRs not being calculated across the LEPA_TIECAPI and thus, the AFCs were not being decremented. Four TSRs were identified that were affected by this problem and involved NRG. The TSRs affected were two in November 2011, one in December 2011 and one for January through May 2012. It was determined after reviewing the AFCs available, that all four reservations resulted in an oversell. No TSRs were denied. This error had no impact on the Operating and Planning Horizons' AFCs since the error was limited to monthly AFCs for Study Horizon only.

RFCALC

On May 11, 2011, the ICT notified Entergy that there appeared to be an anomaly in RFCALC Lite output files. Upon further investigation, Entergy determined that COTTONLAGN source was modeled with only two units defined in RFCALC instead of the eight units that actually exist. These two units were offline and as a result, the proxy flowgate COTTONL_PMAX was showing zero available capacity in both the Operating and Planning Horizons. This error existed subsequent to a change made in EMS on May 10, 2011, in preparation of model modifications required to move all Cottonwood generators to the LAGN Balancing Area effective June 1, 2011. Entergy corrected this error May 12, 2011 by adding the additional six units to COTTONLAGN.

On May 19, 2011, Entergy determined that RFCALC was using the COTTONLAGN source as LAGN Balancing Area even though the source definition only included generators at the Cottonwood



plant. This error was introduced on May 12, 2011, when the additional six generators were added to COTTONLAGN source. The error was caused by a software deficiency. Entergy deleted and redefined the COTTONLAGN source on May 19, 2011, to correct this issue.

This error potentially impacted AFC calculations in the Operating and Planning Horizons. Specific customers potentially impacted could not be identified. Furthermore, it is not technically feasible to determine the exact impact on AFC calculations.

June 8th, 2011

EMS Network Model

On May 25, 2011, the ICT identified that a new 500/230 KV transformer at the McAdams Substation was showing online in the AFC models but was offline in the real time system. Entergy determined that the incorrect definition of the Substation existed in the EMS Network models beginning May 24, 2011 at 1:30 PM until it was corrected May 25, 2011 at 10:00 AM by adding an outage to the model. This action prevented the transformer from being modeled until it was actually put in-service. The transformer was included in the EMS Network Models in preparation for energization that was expected on May 24, 2011; however, the energization was delayed and the outage was not added to reflect the delay.

While modeling the transformer as in-service may have resulted in incorrect AFC values, it is not technically feasible to determine the exact impact on AFCs. Additionally, Transmission Service Requests (TSRs) processed during the time the error existed could have resulted in incorrectly granting or denying service. This issue could have potentially affected customers requesting service in the Operating and Planning Horizons but it is not technically feasible to determine any specific individual customers affected during this time frame.

Incorrect TTC Rating

On June 1, 2011, the ICT identified that the Total Transfer Capacity (TTC) rating for TEMP1 Flowgate on the EMS production system was incorrect in Operating and Planning Horizons. Upon further investigation, Entergy determined that on May 26, 2011 at 4:30 PM, an RFCALC savecase was put in production with an incorrect TTC rating TEMP1 Flowgate. The RFCALC savecase was created with several new TEMP flowgates that were requested due to recent storms which were impacting AFC calculations. This error resulted from a manual input into the savecase that was not changed when a revised rating was received. The TTC rating for the TEMP1 Flowgate was corrected by Entergy on June 1, 2011 at approximately 8:45 AM.

While this error potentially affected customers requesting service in Operating and Planning Horizons during the time period mentioned in this report, it is not technically feasible to determine the exact market impact.

July 7th, 2011

Flowgate Definition

On June 22, 2011, Entergy identified that the definition for one flowgate, GRIMZ_GRICO, was incorrect resulting in an inaccurate Line Outage Distribution Factor (LODF) flow for that flowgate in RFCALC. This error was introduced on March 10, 2011, 2:00 PM when manual changes were



made to 27 flowgates as a result of the annual review of flowgates. The error was corrected June 22, 2011.

This error may have resulted in incorrect AFC values for this flowgate only. It is not technically feasible to determine the exact impact on AFCs. The error may have potentially resulted in more AFCs available on this flowgate as the flowgate was defined incorrectly in the opposite direction. Additionally, some of the Transmission Service Requests (TSRs), which had this flowgate as one of the top fifteen most limiting flowgates and were processed during the time the error existed, may have had service incorrectly granted. This issue affected TSRs in the Operating and Planning Horizons.

July 13th, 2011

Generator Limits

On June 29, 2011, the Independent Coordinator of Transmission (ICT) identified an anomaly in RFCALC Lite output files. Entergy investigated and determined that the total maximum MW capacity of the Cottonwood plant as defined in the Network Model used in AFC calculations for Operating and Planning Horizons was 38MWs lower than the flowgate limit for the proxy flowgate COTTONL_PMAX. This error was introduced when the COTTONL_PMAX value was updated on June 3, 2011 at 8:00AM to reflect the change of ownership for the Cottonwood units. The error was corrected in the Network Model on June 30, 2011 at 9:15 AM.

This error could result in the inability to model some portion of reservations originating from COTTONLAGN source if the total of reservations exceeds the total maximum MW capacity of the Cottonwood plant defined in the Network Model. However, for this error, further research showed that there were no reservations for COTTONLAGN as a source that exceeded the total maximum MW capacity of the Cottonwood plant during the time period the error existed. Therefore, there was no impact to customers, the AFC values, Transmission Service Requests or posted AFC data.

Entergy is programmatically reviewing generation limits in RFCALC that are used in modeling AFCs. The review is extensive and may result in identifying additional discrepancies. If additional discrepancies are identified, Entergy will submit the information to the Commission upon completion of the review and implementation of corrective actions.

July 19th, 2011

Incorrect Generator Modeling

On July 5, 2011, the Independent Coordinator of Transmission (ICT) identified that the RFCALC Lite output files did not include Union Power generators in the list of available sources. Upon investigation, Entergy determined that the EMS Network Model incorrectly identified the generators in Entegra Power Group LLC (PUPP) as Independent Power Producers (IPPs). RFCALC is designed to turn all IPP generators to OFF Automatic Generation Control (AGC) so that IPP resources are dispatched by reservations and schedules only. The Source definition for PUPP control area in the RFCALC process is defined as a set of generators which are on AGC. As a result of this error, no AGC generators were found for PUPP source and thus RFCALC was unable to model any reservations or schedules on PUPP in Operating and Planning Horizons of the AFC process. This error was introduced July 5, 2011 at 8:30 AM when changes were made to the EMS Network Model. The error was corrected by Entergy by correcting the IPP designation in the EMS



Network Model July 06, 2011 at 9:30 AM. This error potentially impacted customers that had transmission service requests queued during this time period for operating and planning horizon of AFC calculations. The error could have impacted any flowgate but it is not technically feasible to determine the exact impact.

Generator Dispatch

On July 7, 2011, the ICT contacted Entergy questioning the dispatch of Union Power generators in the daily peak models for July 16, 2011. Upon further investigation, Entergy discovered that the area interchange control for PUPP was being turned off inadvertently in RFCALC due to a software issue. This error caused the dispatch of PUPP generators to be different from the expected dispatch computed using reservations and schedules, for some time points. This software error in RFCALC potentially resulted in inaccurate flows used for AFC calculations for some flowgates. A manual work around was put in place July 7, 2011 at 5:05 PM for the Operating Horizon and 5:20 PM for the Planning Horizon. The permanent software fix has been provided by Alstom (formerly AREVA) and is being tested. This error may have been introduced on May 30, 2007 when a new version of RFCALC software was deployed. This error potentially affected any customer requesting transmission service in operating and planning horizon. It is not technically feasible to determine the exact impact on AFC values.

EMS Network Model

On August 13, 2010, Entergy filed an error report under this docket identifying that 12 breakers had been identified that were incorrectly modeled in the EMS network Model. Specifically, the filing stated:

“On July 30, 2010, the ICT contacted Entergy and requested review of certain line lioutages. Entergy identified twelve breakers that were incorrectly modeled in the network model used in the Operating and Planning Horizons. These breakers were incorrectly designated as normally open in the network model resulting in RFCALC model incorrectly modeling as outages. The errors may have impacted the base flow and response factors for Operating and Planning Horizons; however, the impact, if any, would be minimal because only four of these resulted in a loss of a total of 25 MW. The others resulted in topology changes but no loss of load. Entergy is programmatically reviewing normally open breakers to determine if they are being correctly modeled. The review is extensive and may result in identifying additional breakers that are modeled incorrectly. The results and status of the review will be provided to the ICT and the Users Group. Upon completion of the effort, a baseline will be established and an annual review performed consistent with the process used in the Study Horizon. Entergy will submit additional information to the Commission regarding this error upon completion of the review and implementation of corrective actions”.

The review to establish the baseline was completed in January 2011. Out of a total of 2618 transmission devices including lines, transformers and zero impedance branches reviewed 21 needed corrections. All corrections were completed by June 2011. It is not technically feasible to determine the exact impact of the errors to AFC values.

Attachment A Entergy Internal Gap Log

Date of Backup	Full or Inc	Offsite or Onsite	Status	Explanation for Gap
5/2/2011	N/A	N/A	System Instability	NetBackup EMM DB was offline and needed a clean start. Resolved in time for manual run. No data missed.
5/6/2011	Full	Offsite	Delayed Verification	A and C restore streams had read errors on two different tapes; succeeded third try. B restore and onsite restores pushed back to May 10 because of initial A and C failures.
5/20 – 5/21/2011	Full	Onsite	Delayed Verification	Tape read error during first attempt at B onsite restore. Successful restore on 2 nd try on May 26.
5/22/2011	Inc	Both	Backup deferred	Full backup for May 20 restarted B stream on 5/21 with new tapes. No Incremental completed due to tape drive contention.
5/27/2011	Full	Both	Delayed Verification	The onsite backup tape failed during restore testing. Clone tapes of the offsite tapes were created to replace the failed onsite tape. Multiple failures pushed whole process back many days. Clone tapes completed 6/21. Onsite B restore completed 6/24.
5/27/2011	Full	Both	Complete with irregularities	Restore and testing of the May 27 th data was done with different, however, no data is actually missing. Restore 1 (offsite) has all the files except 3 empty folders. Restore 2 has all the files but is only short 1 empty directory.
6/3/2011	Full	Both	Delayed Verification	Tape drives were not available to do these restores in timely manner, as the drives were tied up dealing with the restore problems of the 5/27 full backup. Offsite were completed 6/15. Onsite were completed 6/21.

Date of Backup	Full or Inc	Offsite or Onsite	Status	Explanation for Gap
6/5/2011	Inc	Both	Backup deferred	Full backups were still running due to errors. Incremental backups ran successfully on June 5.
6/10/2011	Full	Onsite	Defective Media	The onsite backup tape failed during restore testing. Clone tapes of the offsite tapes were created to replace the failed onsite tape. Multiple failures pushed whole process back many days. Clone tapes completed 7/6. Onsite B restore completed 7/8.
6/17/2011	Full	Both	Delayed Verification	Tape drives were not available to do these restores in a timely manner, as the drives were tied up dealing with the restore problems of the 5/27 and subsequent weekend (6/10) full backup. Therefore these restores were delayed. They completed on 7/9.
6/24 – 6/27/2011	Full	Both	Delayed Verification	Library crash during the weekend on 6/25 was not repaired till 6/27, which caused delay. Restores for these backups completed on 7/12/2011.
6/26 – 6/28/2011	Inc	Both	System Instability	Inc backups did not run due to remediation work around tape library crash and media server reboots. A full was started at this date to capture any data at risk due to the library failure.
6/28/2011	Inc	Both	Backup deferred	The manual re-run of the failed 6/24 full which was launched on 6/27 was still running on 6/28.
7/1 – 7/2/2011	Full	Both	Delayed Verification	Full A&C streams of 7/1 succeeded. B stream failed and restarted automatically 7/2. B stream restores delayed by unavailability of tape drives used in catching up the delayed restores from previous outages.



Date of Backup	Full or Inc	Offsite or Onsite	Status	Explanation for Gap
7/3/2011	Inc	Both	Partial backup	System automatically restarted B stream backup of 7/2. This backup was still running on 7/3, causing the incremental to write only one stream.
7/24/2011	Inc	Both	Backup deferred	The full of 7/22 – 7/23/2011 had restarted automatically after a media error. This backup was still running Sunday morning 7/24 when this incremental normally kicks off.
7/31/2011	Inc	Both	Backup deferred	The full of 7/29 – 7/30/2011 had restarted automatically after a media error. This backup was still running Sunday morning 7/31.



Attachment B
Energy Internal Media Error Log

Date	Description
5/7/2011	Tape DF8052, External event caused rewind during write.
5/7/2011	Tape DF7847, Load operation reported an error.
5/21/2011	Tape DA1533, External event caused rewind during write.
5/21/2011	Tape DA1543, Drive index 5, Input/output error.
5/21/2011	Tape DA1543, External event caused rewind during write.
6/26/2011	Tape DF7628, Drive index 6, Input/output error.
6/29/2011	Tape DA1420, Load operation reported an error.
7/2/2011	Tape DA1410, External event caused rewind during write.
7/6/2011	Tape DA1545, drive index 5, Input/output error.
7/6/2011	Tape DA1545, External event caused rewind during write.
7/15/2011	Tape UV1313, Load operation reported an error.
7/22/2011	Tape DA1843, External event caused rewind during write.
7/30/2011	Tape DA1361, External event caused rewind during write.
7/30/2011	Tape DA1799, Drive index 0, Input/output error.

Attachment 9



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Gregory D. Pierce
Director Transmission Compliance

June 8, 2010

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 AFC-Related Errors

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 become aware of the following AFC-related error.

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 summaries of mismanaged data.

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

Kimberly D. Bose, Secretary
June 8, 2011
Page 2

EMS Network Model

On May 25, 2011, the ICT identified that a new 500/230 KV transformer at the McAdams Substation was showing online in the AFC models but was offline in the real time system. Entergy determined that the incorrect definition of the Substation existed in the EMS Network models beginning May 24, 2011 at 1:30 PM until it was corrected May 25, 2011 at 10:00 AM by adding an outage to the model. This action prevented the transformer from being modeled until it was actually put in-service. The transformer was included in the EMS Network Models in preparation for energization that was expected on May 24, 2011; however, the energization was delayed and the outage was not added to reflect the delay.

While modeling the transformer as in-service may have resulted in incorrect AFC values, it is not technically feasible to determine the exact impact on AFCs. Additionally, Transmission Service Requests (TSRs) processed during the time the error existed could have resulted in incorrectly granting or denying service. This issue could have potentially affected customers requesting service in the Operating and Planning Horizons but it is not technically feasible to determine any specific individual customers affected during this time frame.

Incorrect TTC Rating

On June 1, 2011, the ICT identified that the Total Transfer Capacity (TTC) rating for TEMP1 Flowgate on the EMS production system was incorrect in Operating and Planning Horizons. Upon further investigation, Entergy determined that on May 26, 2011 at 4:30 PM, an RFCALC savecase was put in production with an incorrect TTC rating TEMP1 Flowgate. The RFCALC savecase was created with several new TEMP flowgates that were requested due to recent storms which were impacting AFC calculations. This error resulted from a manual input into the savecase that was not changed when a revised rating was received. The TTC rating for the TEMP1 Flowgate was corrected by Entergy on June 1, 2011 at approximately 8:45 AM.

While this error potentially affected customers requesting service in Operating and Planning Horizons during the time period mentioned in this report, it is not technically feasible to determine the exact market impact.

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

Respectfully submitted,
/s/Gregory D. Pierce
Gregory D. Pierce
Director, Transmission Compliance

Kimberly D. Bose, Secretary
June 8, 2011
Page 3

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 8th day of June, 2010, 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/ Nicole A. Livaccari

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Attachment 10



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Gregory D. Pierce
Director Transmission Compliance

July 6, 2011

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 AFC-Related Errors

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 become aware of the following AFC-related error.

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 summary of mismanaged data.

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

Kimberly D. Bose, Secretary
July 6, 2011
Page 2

Flowgate Definition

On June 22, 2011, Entergy identified that the definition for one flowgate, GRIMZ_GRICO, was incorrect resulting in an inaccurate Line Outage Distribution Factor (LODF) flow for that flowgate in RFCALC. This error was introduced on March 10, 2011, 2:00 PM when manual changes were made to 27 flowgates as a result of the annual review of flowgates. The error was corrected June 22, 2011.

This error may have resulted in incorrect AFC values for this flowgate only. It is not technically feasible to determine the exact impact on AFCs. The error may have potentially resulted in more AFCs available on this flowgate as the flowgate was defined incorrectly in the opposite direction. Additionally, some of the Transmission Service Requests (TSRs), which had this flowgate as one of the top fifteen most limiting flowgates and were processed during the time the error existed, may have had service incorrectly granted. This issue affected TSRs in the Operating and Planning Horizons.

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

Respectfully submitted,
/s/Gregory D. Pierce
Gregory D. Pierce
Director, Transmission Compliance

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 6th day of July, 2011, 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/ Nicole A. Livaccari

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Attachment 11



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Gregory D. Pierce
Director Transmission Compliance

July 13, 2011

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 AFC-Related Errors

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 Companies¹ hereby notifies the Commission it has recently become aware of the following AFC-related error.

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 summary of mismanaged data.

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

Kimberly D. Bose, Secretary
July 13, 2011
Page 2

Generator Limits

On June 29, 2011, the Independent Coordinator of Transmission (ICT) identified an anomaly in RFCALC Lite output files. Entergy investigated and determined that the total maximum MW capacity of the Cottonwood plant as defined in the Network Model used in AFC calculations for Operating and Planning Horizons was 38MWs lower than the flowgate limit for the proxy flowgate COTTONL_PMAX. This error was introduced when the COTTONL_PMAX value was updated on June 3, 2011 at 8:00AM to reflect the change of ownership for the Cottonwood units. The error was corrected in the Network Model on June 30, 2011 at 9:15 AM.

This error could result in the inability to model some portion of reservations originating from COTTONLAGN source if the total of reservations exceeds the total maximum MW capacity of the Cottonwood plant defined in the Network Model. However, for this error, further research showed that there were no reservations for COTTONLAGN as a source that exceeded the total maximum MW capacity of the Cottonwood plant during the time period the error existed. Therefore, there was no impact to customers, the AFC values, Transmission Service Requests or posted AFC data.

Entergy is programmatically reviewing generation limits in RFCALC that are used in modeling AFCs. The review is extensive and may result in identifying additional discrepancies. If additional discrepancies are identified, Entergy will submit the information to the Commission upon completion of the review and implementation of corrective actions.

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

Respectfully submitted,
/s/Gregory D. Pierce
Gregory D. Pierce
Director, Transmission Compliance

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 13th day of July, 2011, 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/ Nicole A. Livaccari

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Attachment 12



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David L. Fishel
Assistant General Counsel

July 19, 2011

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 AFC-Related Errors

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 become aware of the following AFC-related error.

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 summaries of mismanaged data. Additionally, an update to the filing made on August 13, 2010 is included.

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

Incorrect Generator Modeling

On July 5, 2011, the Independent Coordinator of Transmission (ICT) identified that the RFCALC Lite output files did not include Union Power generators in the list of available sources. Upon investigation, Entergy determined that the EMS Network Model incorrectly identified the generators in Entegra Power Group LLC (PUPP) as Independent Power Producers (IPPs). RFCALC is designed to turn all IPP generators to OFF Automatic Generation Control (AGC) so that IPP resources are dispatched by reservations and schedules only. The Source definition for PUPP control area in the RFCALC process is defined as a set of generators which are on AGC. As a result of this error, no AGC generators were found for PUPP source and thus RFCALC was unable to model any reservations or schedules on PUPP in Operating and Planning Horizons of the AFC process. This error was introduced July 5, 2011 at 8:30 AM when changes were made to the EMS Network Model. The error was corrected by Entergy by correcting the IPP designation in the EMS Network Model July 06, 2011 at 9:30 AM. This error potentially impacted customers that had transmission service requests queued during this time period for operating and planning horizon of AFC calculations. The error could have impacted any flowgate but it is not technically feasible to determine the exact impact.

Generator Dispatch

On July 7, 2011, the ICT contacted Entergy questioning the dispatch of Union Power generators in the daily peak models for July 16, 2011. Upon further investigation, Entergy discovered that the area interchange control for PUPP was being turned off inadvertently in RFCALC due to a software issue. This error caused the dispatch of PUPP generators to be different from the expected dispatch computed using reservations and schedules, for some time points. This software error in RFCALC potentially resulted in inaccurate flows used for AFC calculations for some flowgates. A manual work around was put in place July 7, 2011 at 5:05 PM for the Operating Horizon and 5:20 PM for the Planning Horizon. The permanent software fix has been provided by Alstom (formerly AREVA) and is being tested. This error may have been introduced on May 30, 2007 when a new version of RFCALC software was deployed. This error potentially affected any customer requesting transmission service in operating and planning horizon. It is not technically feasible to determine the exact impact on AFC values.

EMS Network Model

On August 13, 2010, Entergy filed an error report under this docket identifying that 12 breakers had been identified that were incorrectly modeled in the EMS network Model. Specifically, the filing stated:

“On July 30, 2010, the ICT contacted Entergy and requested review of certain line outages. Entergy identified twelve breakers that were incorrectly modeled in the network model used in the Operating and Planning Horizons. These breakers were incorrectly designated as normally open in the network model resulting in RFCALC model incorrectly modeling as outages. The errors may have impacted the base flow and response factors for Operating and Planning Horizons; however, the impact, if any, would be minimal because only four of these resulted in a loss of a total of 25

Kimberly D. Bose, Secretary
July 19, 2011
Page 3

MW. The others resulted in topology changes but no loss of load. Entergy is programmatically reviewing normally open breakers to determine if they are being correctly modeled. The review is extensive and may result in identifying additional breakers that are modeled incorrectly. The results and status of the review will be provided to the ICT and the Users Group. Upon completion of the effort, a baseline will be established and an annual review performed consistent with the process used in the Study Horizon. Entergy will submit additional information to the Commission regarding this error upon completion of the review and implementation of corrective actions”.

The review to establish the baseline was completed in January 2011. Out of a total of 2618 transmission devices including lines, transformers and zero impedance branches reviewed 21 needed corrections. All corrections were completed by June 2011. It is not technically feasible to determine the exact impact of the errors to AFC values.

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

Respectfully submitted,
/s/ David L. Fishel
David L. Fishel
Assistant General Counsel

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 19th day of July, 2011, 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/ Nicole A. Livaccari
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