

**UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION**

Entergy Arkansas, Inc.	)	Docket No. ER13-2339-_____
Entergy Gulf States Louisiana, L.L.C.	)	Docket No. ER13-2340-_____
Entergy Louisiana, LLC	)	Docket No. ER13-2341-_____
Entergy Mississippi, Inc.	)	Docket No. ER13-2342-_____
Entergy New Orleans, Inc.	)	Docket No. ER13-2343-_____
Entergy Texas, Inc.	)	Docket No. ER13-2344-_____
Entergy Nuclear Palisades, LLC	)	Docket No. ER13-2345-_____
Entergy Power, LLC	)	Docket No. ER13-2351-_____
EWO Marketing, LLC	)	Docket No. ER13-2346-_____
Northern Iowa Windpower, LLC	)	Docket No. ER13-2348-_____
EAM Nelson Holdings, LLC	)	Docket No. ER13-2349_____
RS Cogen, LLC	)	Docket No. ER13-2359_____

**AFFIDAVIT OF
MATTHEW E. ARENCHILD**

INTRODUCTION

My name is Matthew E. Arenchild. I am a Director in the Energy practice at Navigant Consulting, Inc. (“NCI”). My business address is 35 Iron Point Circle, Suite 225, Folsom, CA 95630. I hold a Ph.D. in economics as well as an M.S. in Applied Economics and Finance and have worked on issues surrounding the U.S. electricity industry for over 15 years. A primary focus of my consulting work has been related to market power issues concerning mergers, asset acquisitions and market-based rate applications. I have conducted numerous analyses based on the Federal Energy Regulatory Commission’s (“FERC” or “Commission”) various market power guidelines and also have developed proprietary models and databases to implement these analyses. I have testified before the Commission and appeared before various state commissions. My resume is attached as Exhibit MEA-1.

I have been asked by Entergy Arkansas, Inc. (“EAI”), Entergy Gulf States Louisiana, L.L.C., Entergy Louisiana, LLC (“ELL”), Entergy Mississippi, Inc. (“EMI”), Entergy Texas, Inc. (“ETI”), and Entergy New Orleans, Inc. (“ENO”) (collectively, the “Entergy Operating Companies”) and Entergy Power LLC (“Entergy Power”), EWO Marketing L.P. (“EWOM”), Northern Iowa Windpower, LP (“Northern Iowa Windpower”), Entergy Nuclear Palisades, LLC (“Entergy Nuclear Palisades”), EAM Nelson Holdings, LLC (“EAM Nelson”), and RS Cogen, LLC (“RS Cogen”) (the “Non-Operating Company Applicants”, and collectively with the Entergy Operating Companies, the “Applicants”), to perform an analysis of market power issues in compliance with the Commission’s guidelines contained in *Order No. 697*.¹ Certain of the Applicants are transmission owners in the Central Region, in the Midcontinent Independent System Operator, Inc. (“MISO”).² Applicants are all subsidiaries of Entergy Corporation (“Entergy”). Here I provide an evaluation of horizontal and vertical market power issues for the relevant market in the Central Region in which the Applicants are transmission owners and/or own or control generation facilities, namely in MISO. The period of study for my analysis, consistent with the schedule for triennial market power update reviews as established by the Commission, is December 1, 2012 through November 30, 2013 (“Study Period”).

SUMMARY OF CONCLUSIONS

The analysis I have conducted is consistent with *Order No. 697*. I have performed the two indicative horizontal market power screens required by the Commission, namely a pivotal supplier analysis based on the annual peak demand of the relevant market (“Pivotal Supplier Analysis”) and a market share analysis (“Market Share Analysis”) applied on a seasonal basis for the December 2012-November 2013 Study Period. Consistent with *Order No. 697*, I examined the relevant

¹ *Market-Based Rates for Wholesale Sales of Elec. Energy, Capacity and Ancillary Servs. by Pub. Utils.*, Order No. 697, FERC Stats. & Regs. ¶ 31,252, *clarified*, 121 FERC ¶ 61,260 (2007) (“*Clarification Order*”), *order on reh’g and clarification*, Order No. 697-A, FERC Stats. & Regs ¶ 31,268, *order on reh’g and clarification*, 124 FERC ¶ 61,055 (“*Order No. 697-A Clarification Order*”), *order on reh’g and clarification*, Order No. 697-B, FERC Stats. & Regs ¶ 31,285 (2008), *order on reh’g and clarification*, Order No. 697-C, FERC Stats. & Regs ¶ 31,291 (2009), FERC Stats. & Regs. ¶ 31,305, *order on clarification*, 131 FERC ¶ 61,021 (2010), *aff’d sub nom. Montana Consumer Counsel v. FERC*, 659 F.3d 910 (9th Cir. 2011) (collectively, “*Order No. 697*”) (codified at 18 C.F.R. pt. 35).

² The Central Region encompasses MISO and balancing authority areas (“BAAs”) in NERC Regions MRO (Midwest Reliability Organization) and RFC (ReliabilityFirst Corporation), excluding PJM (PJM Interconnection, L.L.C.). *Order No. 697-A*, Appendix D.

default geographic markets, namely the BAAs where the generation owned or controlled by Applicants is physically located. The only relevant market is MISO.

Applicants pass both the Pivotal Supplier Analysis and the Market Share Analysis in MISO.

Applicants also lack vertical market power. The Applicants that own transmission facilities are members of MISO and those facilities are under the functional control of MISO, which provides open access transmission service over them pursuant to the MISO Open Access Transmission, Energy and Operating Reserve Markets Tariff (“OATT”).³ As discussed in detail below, Applicants cannot erect barriers to entry.⁴ There are no other issues that raise any relevant competitive concerns.

DESCRIPTION OF APPLICANTS

As noted above, Applicants are all subsidiaries of Entergy.⁵ The Entergy Operating Companies and their various affiliates own or control via long-term contracts about 26,000 MW of capacity in MISO, as detailed in Exhibit MEA-2.⁶ EAM Nelson, Entergy Power and EWO Marketing are subsidiaries of Entergy with generating resources located in MISO that conduct a limited amount of unregulated power transactions.⁷ EWO Marketing markets the output of the certain generating facilities that it owns or controls as well as the output of generating facilities owned by its affiliate Entergy Asset Management (“EAM”), as described below. Entergy Services,

³ Entergy operates two local balancing authorities (“LBAA”) within the MISO BAA in which it provides local balancing authority services such as metering and telecommunications services to generators and certain other entities. The EAI LBAA is comprised of the transmission facilities owned by EAI. The EES LBAA is comprised of the transmission facilities owned by EGSL, ELL, EMI, ENOI, and ETL. However, MISO has functional control of all the transmission facilities owned by the Entergy Operating Companies and the relevant geographic market remains the broader MISO market, as noted below.

⁴ *Order No. 697* at P 22.

⁵ Entergy also owns 100 percent of System Energy Resources, Inc. (“SERI”) in the Southeast region, an Arkansas corporation that has a 90 percent ownership and leasehold interest in the Grand Gulf Nuclear Station. SERI sells all its capacity and associated energy from Grand Gulf to EAI, ELL, EMI, and ENO.

⁶ Unless otherwise noted specifically or by context, references to generation megawatts refer to summer ratings. These ratings may not precisely match ratings reported for other purposes.

⁷ Entergy also owns or controls generating facilities in the Northeast via its wholly owned direct subsidiaries. These assets, however, are not implicated in the analysis presented here. These facilities are shown in Applicants’ Asset Appendix.

Inc. (“Entergy Services”), is a subsidiary of Entergy that provides technical and administrative services to all of the Entergy Operating Companies.

EAM Nelson owns an approximately 60 MW interest (10.9 percent) in Unit No. 6 of the Roy S. Nelson (“Nelson 6”) coal-fired generating station (located in Westlake, Louisiana). Entergy Power is an indirect subsidiary of Entergy and owns an interest in two generating facilities in the Entergy balancing authority area: (1) 544 MW at Ritchie Unit 2;⁸ and (2) about 120 MW of the coal-fired Independence Steam Electric Station Unit 2. Entergy indirectly owns 50% of RS Cogen (425 MW nameplate), which currently is a qualifying facility.

In MISO, Entergy subsidiaries own two other resources; Northern Iowa Windpower and Entergy Nuclear Palisades. Northern Iowa Windpower owns 50 percent of the 80 MW Top of Iowa wind farm (or 40 MW). Of the 40 MW, 50 percent of the output from the wind farm is sold under long-term contract to Wisconsin Power and Light, an affiliate of Alliant Energy, until 2016. The remaining energy and capacity is sold on a merchant basis. Entergy Nuclear Palisades owns 100 percent of the Palisades facility, a roughly 800 MW nuclear generating station. All of the output of Palisades is sold under long-term contract to Consumers Energy Company through 2022.⁹

During 2014, ELL commenced operation of the new Nine Mile Point Unit 6 facility, which has a generating capacity of 550 MW.

HORIZONTAL MARKET POWER

Background and Analytic Approach

In *Order No. 697*, the Commission codified a methodology for assessing market power to be used by applicants requesting market-based rate authority under Section 205 of the Federal Power Act or making their required triennial market power update filings. The Commission applies two screens, the Pivotal Supplier Analysis (“PSA”) and the Market Share Analysis

⁸ The Ritchie Unit 2 facility was retired in 2014, but since it was operational during the Study Period, I consider it in my analysis.

⁹ In addition, Entergy subsidiary Llano Estacado owns an approximately 80 MW wind-powered facility in Texas in the Southwest Power Pool (“SPP”). Llano Estacado sells the entire output of its generating facility to Southwestern Public Service Company under long-term contracts.

(“MSA”) (jointly the “Indicative Screens”), intended to demonstrate a lack of horizontal market power. If an entity fails to pass either of the screens, there is a presumption of horizontal market power and further analysis is required.

Order No. 697, the Commission defines the default relevant market as the BAA in which the applicant is physically located. Where a generator is interconnected to a non-affiliate owned transmission system, the only relevant market is the BAA in which the generator is located.¹⁰ Sellers located in, and members of, RTOs may use the geographic region under the control of the RTO as the default relevant geographic market.¹¹ If the Commission has made specific findings of submarkets within an RTO/ISO, the default relevant market becomes the submarket(s) of the RTO/ISO. No submarkets have been identified in MISO. Thus, MISO is the only relevant market.

MISO is a “Day 2” RTO and Applicants are subject to MISO’s Commission-approved market power mitigation and market monitoring post-MISO integration.¹² The Commission clarified in *Order No. 697-A* that in RTO/ISO markets, sellers are not subject to the Commission’s default mitigation, but instead that absent specific evidence, the Commission approved market-monitoring plans in the RTO/ISO markets is sufficient to oversee the applicant’s sales. That is, applicants who do not rebut the presumption of market power in RTO/ISO markets can continue to make market-based sales in these markets, subject to the existing market power mitigation.¹³ MISO has a FERC-approved market monitoring and mitigation program.¹⁴

¹⁰ *Order No.697* at P 232 n.217.

¹¹ *Id.* at P 235.

¹² *Order No. 697* at PP 240-42, 246, and 290.

¹³ Specifically, in *Order 697-A*, the Commission adopted a “rebuttable presumption that the existing Commission-approved RTO/ISO mitigation is sufficient to address market power concerns in the RTO/ISO market, including mitigation applicable to RTO/ISO submarkets.” (PP 5, 114.) *See also MidAmerican Energy Co., et al.*, 128 FERC ¶ 61,048 (2009) (“*MidAm Order*”); *PSEG Energy Resources & Trade, LLC*, Letter Order in Docket No. ER99-3151-017 (June 29, 2011); *NRG Power Mktg. LLC*, Letter Order in Docket No. ER97-4281-018 (Apr. 27, 2009); *Dominion Energy Mktg., Inc.*, 125 FERC ¶ 61,070 at P 27 (2008); *PSEG Energy Resources & Trade LLC*, 125 FERC ¶ 61,073 at P 35 (2008).

¹⁴ *Midwest Independent Transmission System Operator, Inc.*, 108 FERC ¶ 61,163 (2004), *order on reh’g*, 109 FERC ¶ 61,157 (2004).

Pivotal Supplier Analysis

The Pivotal Supplier Analysis seeks to determine if load can be served without an applicant's generation. *Order No. 697-A* specifies a number of calculations for the Pivotal Supplier Analysis.¹⁵

First, Total Uncommitted Supply is calculated based on installed capacity (adjusted for long-term firm purchases and sales) plus imports less the reserve requirement (*i.e.*, operating reserves) less the average daily peak native load for the peak month.

Second, Wholesale Load is calculated based on the difference between the annual peak load (needle peak) and the average daily peak native load for the peak month.

Third, Net Uncommitted Supply is calculated based on the difference between Total Uncommitted Supply and Wholesale Load. Seller's Uncommitted Capacity is based on Seller's Total Uncommitted Capacity less its average daily peak native load.

If Seller's Uncommitted Capacity is less than the Net Uncommitted Supply, the Pivotal Supplier Analysis is passed.

Market Share Analysis

The Market Share Analysis evaluates, for each of the four seasons, whether the seller has a dominant position in the market, with dominance defined as a market share in excess of 20 percent.

Order No. 697 specifies a number of calculations for the MSA.¹⁶

First, Seller and Affiliate Capacity is calculated based on installed capacity (adjusted for long-term firm purchases and sales) plus imports less planned outages. Non-Affiliate Capacity is calculated in a similar manner.

Second, Capacity Deductions are calculated based on average peak native load in the season (averaged over all days)¹⁷ plus operating reserves.

¹⁵ See *Order No. 697-A* at Appendix A to Subpart H.

¹⁶ See *id.*

Third, Seller's Uncommitted Capacity is calculated by subtracting the Capacity Deductions attributed to Seller from Seller and Affiliate Capacity, and Total Competing Supply is calculated by subtracting the Capacity Deductions attributed to others from Non-Affiliate Capacity. Total Seasonal Uncommitted Capacity is the sum of Seller's Uncommitted Capacity and Total Competing Supply.

Finally, Seller's Market Share is calculated as Seller's Uncommitted Capacity as a percentage of Total Seasonal Uncommitted Capacity.

If Seller's Market Share is less than 20 percent in all seasons, the Market Share Analysis is passed.

Assumptions

Relevant Geographic Market. My analysis considers MISO as the relevant geographic market. MISO expanded during the historical Study Period to include other members, most notably those in the Southeast, including the Entergy Operating Companies and other entities.

Study Period. My analysis of MISO is based on a December 2012-November 2013 study period, as required by the Commission.¹⁸ I have, however, reflected the current generating resource position of Applicants as shown in its Asset Appendix, which is conservative because the analysis includes additional generating capacity for Applicants, but does not update (increase) generating capacity for others in the market.

MISO Report. For my analysis of MISO, I relied primarily on a study that MISO conducted at the request of its member Transmission Owners to compile data consistent with *Order No. 697* on an aggregate basis for MISO.¹⁹ This study provides data on generating capacity, purchases and sales, operating reserves, planned outages, load, and Simultaneous Import Limits ("SIL"). The MISO

¹⁷ Consistent with the *Clarification Order* at P 12(a), I used the following seasons for my analysis: Winter (December-February), Spring (March-May), Summer (June-August) and Fall (September-November).

¹⁸ <http://www.ferc.gov/industries/electric/gen-info/mbr/triennial/cen.asp>

¹⁹ Market-Based Rates for Wholesale Sales of Electric Energy, Capacity and Ancillary Services by Public Utilities. Midcontinent Independent Transmission System Operator, Inc. (See Docket No. AD10-02, filed December 18, 2014 and referred to herein as the "MISO Report".)

Report analyzes the current MISO footprint, including the MISO South area where the majority of Applicants load and generation is located.

Generating Capacity. For purposes of my analysis, I have used the values reported in the MISO Report for the overall market. The MISO Report, however, does not provide details on specific generating units. Thus, for Applicants' generating capacity, I rely on seasonal capacity ratings (summer and winter) primarily based on data from the Energy Information Administration's "Annual Electric Generator Report", Form EIA-860, as compiled by Ventyx, Energy Velocity, a third-party provider of such data. For the PSA, I use summer ratings. For the MSA, I use summer ratings for the Summer season, and winter ratings for the Winter, Spring and Fall seasons. I have conservatively included certain of Applicants' units that have been retired since the Study Period, as detailed in Exhibit MEA-2. I have also conservatively included Applicants' units that are in "Inactive Reserve". Finally, I have included the new Nine Mile Point Unit 6, which entered service in December 2014. Thus, the analysis conservatively overstates Applicants' resources.

The Entergy Operating Companies rely significantly on purchased power in order to serve their regulated load and reliability obligations and the specific long-term purchases change on a regular basis, as detailed in the various Change in Status filings made by the Applicants. I have modeled the Entergy Operating Companies' long-term purchases (and sales) as they currently exist for this analysis (about 2,350 MW).²⁰

For Northern Iowa Windpower and Entergy Nuclear Palisades facilities, I have assigned to Applicants their shares of the facilities' capacity that are not committed under long-term contracts to third-parties.

Planned Outages. For purposes of my analysis, I have used the values reported in the MISO Report as well as information from Applicants' FERC Form 714.

Load. The Entergy Operating Companies provided me with hourly load it served during the Study Period. For other entities, I relied on information from the MISO Report.

²⁰ This total excludes liquidated damages contracts. *See Order Granting Petition for Declaratory Order*, 123 FERC ¶ 61,034 (2008).

Operating Reserves. I conservatively did not assign any operating reserves to the Applicants.

SIL and Allocation of Imports. As noted above, I used the SIL included in the MISO Report. Because Applicants do not own or control any uncommitted generation outside of MISO, and do not have any relevant long-term transmission reservations into MISO, no imports are attributed to them.

Results of Analysis

The detailed results of the Pivotal Supplier Analysis the Market Share Analysis are contained in Exhibits MEA-3 and MEA-4, respectively.

Pivotal Supplier Analysis

Applicants' Installed Capacity in MISO is 23,926 MW. Applicants also had long-term purchases of 2,352 MW. Load attributed to Applicants for the peak month (July) is 19,099 MW. I conservatively did not assign any operating reserves to Applicants. Thus, Sellers' Uncommitted Capacity is 7,179 MW.

Total Uncommitted Supply in MISO is 58,504 MW. Wholesale Load is 22,438 MW, and Net Uncommitted Supply (the difference between Total Uncommitted Supply and Wholesale Load) is 36,066 MW.

Because Sellers' Uncommitted Capacity (7,179 MW) is less than the Net Uncommitted Supply (36,066 MW), the Pivotal Supplier Analysis is passed in MISO. *See* Exhibit MEA-3.

Market Share Analysis

Applicants' Installed Capacity in MISO ranges from 23,926 MW to 24,494 MW. Applicants also had long-term purchases ranging between 2,352 MW to 2,500 MW. Applicants' load ranges from 13,737 MW to 18,637 MW and planned outages ranging from 536 MW to 3,511 MW. I conservatively did not assign any operating reserves to Applicants. Sellers' Uncommitted Capacity ranges from 7,105 MW to 10,722 MW.

Total Competing Supply ranges from 49,242 MW to 57,760 MW. Total Seasonal Uncommitted Capacity ranges from 56,347 MW to 68,482 MW.

Sellers' Market Share ranges from 12.6 percent to 16.8 percent. Because Sellers' Market Share is less than 20 percent in all seasons, the Market Share Analysis is passed in MISO. See Exhibit MEA-4.

As noted above, the Robert Ritchie 2 generating facility owned by Entergy Power was taken out of service and retired in 2014. Also during 2014, ELL commenced operation of the new Nine Mile Point Unit 6 facility. The retired Ritchie 2 facility had a capacity of 554 MW, and the new Nine Mile Point Unit 6 facility has a generating capacity of 550 MW. As noted earlier, I've conservatively included both facilities in the current analysis and Seller's pass the Indicative Screens. Thus, reflecting the retirement of Robert Ritchie 2 would result in somewhat more favorable metrics for the Indicative Screens than calculated herein.

VERTICAL MARKET POWER

Transmission

Applicants' own transmission in MISO, which is controlled by MISO and subject to the MISO OATT, which the Commission has deemed to mitigate a seller's transmission market power.²¹

Barriers to Entry

The Commission also considers whether applicants have the ability to erect barriers to entry by other suppliers in terms of such things as 1) control of sites for new capacity development other than those that may exist at the sites being acquired; 2) control of fuel inputs to generation; and 3) control of any equipment suppliers or facilities used to transport fuels or other inputs to generation.

The Entergy Operating Companies do not have dominant control over power plant sites for new capacity development in relevant markets. Specifically, it is my understanding that ELL presently owns one undeveloped site in Louisiana that could be used for generation capacity development in MISO. The Entergy Operating Companies also own and or control sites at existing generating facilities that may be used to develop new generation facilities. Nevertheless,

²¹ *Order No. 697* at P 21.

Applicants do not have the ability to prevent the siting of new generation facilities owned by their competitors.

With respect to other inputs to generation, ETI owns the Spindletop Gas Storage Facility (“Spindletop Facility”), which is located in Orange and Jefferson Counties, Texas in MISO. The Spindletop Facility consists of two natural gas caverns, above ground electric compression & withdrawal facilities, leaching facilities (including brine and fresh water pipelines, disposal equipment and brine storage wells), an electrical substation, and approximately 23 miles of intrastate pipeline that connects to ETI’s electric generation facilities and to other intrastate and interstate pipelines located in Southeast Texas. There are abundant alternatives for generators to receive gas supplies in the region and the Spindletop Facility is dedicated to serving affiliated generation. Further, Varibus, L.L.C., a wholly-owned subsidiary of EGSL, owns the Varibus Intrastate Pipeline, consisting of 29 miles of intrastate pipeline which supply natural gas to the Nelson and Willow Glen generating units. In addition, Applicants do not control coal supplies or barges and rail cars used for the transportation of coal supplies, except rail cars leased solely to deliver fuel for their coal-fired generating plants.

Therefore, Applicants do not have the ability to erect barriers to entry. This is clearly evident by the amount of new entry that has occurred in the Southeast and MISO more generally.

CONCLUSION

On the basis of the foregoing analysis, Applicants satisfy the Commission’s horizontal and vertical market power tests for market-based rate authority.

In addition, I conclude that the commencement of operations of the Nine Mile Point Unit 6 generating facility does not cause the Applicants to gain horizontal market power.

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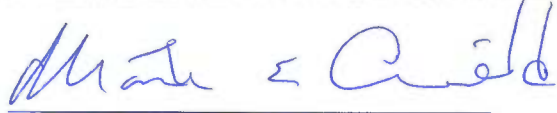
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Northern Iowa Windpower, LLC)	Docket No. ER13-2348-
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RS Cogen, LLC)	Docket No. ER13-2359

**AFFIDAVIT OF
MATTHEW E. ARENCHILD**

State of California)
County of Sacramento)

Matthew E. Arenchild, being duly sworn, deposes and states that the attached are his sworn affidavit and exhibits and that the statements contained therein are true and correct to the best of his knowledge, information, and belief:



Matthew E. Arenchild

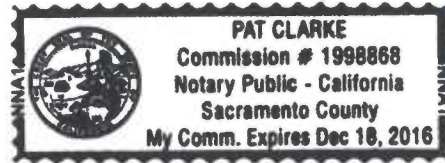
Before me, Pat Clarke, personally appeared, Matthew E. Arenchild, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under penalty of perjury under the laws of the State of California that the foregoing paragraph is true and correct.

SUBSCRIBED AND SWORN TO BEFORE ME,
this 23rd day of December 2014.



Notary Public

My Commission Expires: December 18, 2016



Matthew E. Arenchild, Ph.D.

Matthew E. Arenchild, Ph.D.
Director

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Professional History

- Director, Navigant - Present
- Principal, Charles River Associates
- **Principal Consultant**, PA Consulting and its predecessor companies (PHB Hagler Bailly and Putnam, Hayes & Bartlett).

Education

- Ph.D. Economics, Washington State University
- M.S. Applied Economics and Finance, University of California, Santa Cruz
- B.A. Economics, University of California, Santa Cruz

Membership

- Board of Directors (Vice President):
New Morning Youth and Family Services

Dr. Arenchild is a Director at Navigant in the Energy Practice's Power Systems, Markets & Pricing group. He has extensive experience in applied economics and regulation in the energy field, particularly with respect to addressing the challenges facing the United States electric industry. Dr. Arenchild has worked with numerous companies throughout the United States on energy and electric utility issues involving market power at the state and federal level, antitrust cases, litigation, electric industry restructuring, electric transmission access and rates, market manipulation, and compliance issues. A key focus of Dr. Arenchild's work has been to direct market power analyses that apply the various regulatory guidelines, such as the Federal Energy Regulatory Commission's Appendix A screen for mergers and acquisitions and the FERC's various guidelines in cases where the parties are seeking to obtain or renew market-based rate authority. He has also analyzed behavioral market power issues, examined problems of vertical integration in a variety of cases, and assisted clients with numerous issues arising from utility restructuring. Dr. Arenchild worked extensively on various litigation projects arising primarily from the California "crisis" and subsequent investigations into market manipulation allegations. He has also worked with a variety of clients on compliance matters related to FERC's Codes and Standards of Conduct, as well as more general reporting requirements. Dr. Arenchild's experience includes leading the development of a suite of proprietary models used to analyze market power in the electric utility industry and currently leads the development and maintenance of related databases. Dr. Arenchild has testified before FERC and appeared before industry groups and state regulatory commissions. Dr. Arenchild's research includes how states implemented the Public Utility Regulatory Policies Act (PURPA) and contracting incentives. He taught numerous courses while in school, including an upper division course on antitrust.

Professional Experience

Market Power / Antitrust – FERC, DOJ/FTC

- » Applied the FERC's Appendix A merger guidelines for a variety of clients, including a number of entities merging, seeking market-based rate authority, or seeking strategic advice on the firms that could be acquired without triggering market power concerns.
- » Assisted with development of the Competitive Analysis Screening Model (CASm) used to perform the "delivered price test" described in the FERC's Appendix A guidelines.
- » Assisted with development of Navigant's "NAV-DPT" model used to perform the "delivered price test" in FPA Section 203 proceedings.
- » Conducted numerous analyses and associated testimony or reports for clients in support of their applications for market-based rate authority. Analyses conducted under the various, then applicable, FERC standards, including the traditional "hub-and-spoke" analysis, the Supply Margin Assessment (SMA) standard, and FERC's interim and final "Indicative Screens."
- » Participated in numerous technical conferences, generally with FERC staff, regarding applicant's filings.
- » Assisted a number of clients with Department of Justice reviews of potential mergers and acquisitions, including meeting with DOJ personnel to discuss antitrust concerns.
- » Worked with numerous clients to develop comments and suggestions on proposed FERC regulatory policy.
- » Led development of a proprietary model (CEMA) to evaluate behavioral market power issues and effectiveness of alternative bidding strategies on market clearing prices and profits. The CEMA model has been filed in state proceedings.
- » Led development of a proprietary model to calculate structural market power indicators using a regional equilibrium framework.
- » Led modeling effort for retail market power study using a commercial chronological production cost model (PROSYM). The model was used to conduct a behavioral analysis by evaluating the profitability of various bidding strategies and to provide input data for the corresponding structural analyses.

- » Examined vertical market power issues in a number of cases, covering both electric generation/electric transmission and electric generation/fuel supply. Developed methodology to evaluate relevant geographic markets using publicly available databases. Analysis was used to support market power filings before the FERC and state commissions.
- » Proposed and/or evaluated various strategies to mitigate market power, such as asset divestiture, short- and long-term contracts, and swap contracts.
- » Analyzed whether an investor-owned utility had violated antitrust statutes against illegal tying arrangements when it required joint owners in a generating unit to also purchase coal from the utility.

Litigation / Market Manipulation / Compliance

- » Conducted a variety of analyses in support of entities regulatory filings and confidential negotiations regarding the California “crisis” and subsequent investigations.
- » Supported a number of clients in FERC investigations or audits for compliance matters, including for potential violations of Codes of Conduct, Standards of Conduct and reporting requirements (including Electric Quarterly Reports). Provided analytical support, as well as making presentations to FERC, in order to resolve outstanding issues. Formulated and presented recommendations to senior management regarding going-forward procedures to ensure compliance.

Restructuring / Stranded Investment

- » Part of team assisting investor-owned utilities during restructuring hearings in Pennsylvania and Maryland. Specific responsibilities included preparing and evaluating fuel forecasts and estimating the cost of new capacity. These inputs were used to estimate the future market price of energy and capacity using GE’s MAPS simulation model. Also researched proposals to securitize a portion of the utility’s stranded investment and prepared and presented to counsel a review of the opposing expert’s prior testimony.
- » Evaluated proposed federal legislation to restructure the electric industry. Analyzed the underlying economic studies used to support specific congressional proposals.
- » Part of team that evaluated proposed new electric generating facilities in various parts of the United States. Led effort to assess whether companies in various regions would exercise market power, thereby raising returns to the planned projects. Evaluated state-specific restructuring laws regarding stranded costs, provider of last resort, rate caps, and other issues to gauge impact on the incentives of various market participants. Also evaluated concentration in each region, both before and after assumed restructuring.

Transmission / Distribution / Ancillary Services

- » Analyzed the methodology used to calculate MW-Mile transmission rates contained in the MAPP Restated Agreement.
- » Evaluated the types of transmission service traditionally offered in the electric industry, focusing specifically on the meaning of “firm” transmission service, which was the key issue in a lawsuit between two Pacific Northwest electric utilities.
- » Worked with Power Technologies Inc (PTI) and electric utility clients to develop flow-based database for use in market power analysis, including flowgate framework and Transfer Distribution Factors.
- » Led a number of efforts to develop transmission capacity values in both the Eastern Interconnection and the WECC, working with utility and NERC personnel.
- » Worked with client’s transmission personnel in developing methodologies for estimating simultaneous import limits that are consistent with FERC’s approved methodology.
- » Evaluated proposal to equalize distribution costs in a state. Proposed alternative methodologies that the client could support and that would result in a more favorable cost allocation method for the company.
- » Lead author for report analyzing provision of Ancillary Services in the WECC and FERC’s existing regulations.

Other Projects in the Energy and Environmental Fields

- » Analyzed the opportunity for existing and potential Qualifying Facilities to participate in the relevant markets as part of a group of utilities’ petition to be relieved of their obligation to purchase from such facilities located in their respective service territories under Section 210M of PURPA.
- » Acted as primary outside consultant for two affiliated parties negotiating a new power supply contract.
- » Analyzed displacement provisions in a contract between an investor-owned utility and a Qualifying Facility in the Pacific Northwest. Evaluated the Qualifying Facility’s methodology for displacement and developed a new model to determine displacement based on engineering constraints and considering the interaction between the cogenerator and its host facility, its gas contracts with subsidiaries, and other contractual arrangements.
- » Estimated the non-market damages suffered by a country as a result of Iraq’s actions during the Gulf War. Project included team members traveling to impacted gulf state country. The estimates were filed with a UN commission.

- » Evaluated the cost profiles of different technologies to produce a product used in nuclear warheads (tritium). Specific recommendations were made to the secretary of the Department of Energy regarding the most cost-effective means of replenishing the United State’s stockpile of the product.
- » Analyzed the incentives of a vertically integrated firm to shift costs between production stages in a royalty dispute between a group of large oil companies and their respective royalty shareholders. Evaluated whether certain contracts were the result of “arms-length” negotiations and the effect of lateral tariffs on delivered contract prices.

Testimony, Presentations, Conferences and Memberships

- » Analysis of Transmission Rate Methodology in MAPP: *Affidavit of Matthew Arenchild, “Motion to Intervene, Protest, Request for Suspension and for Further Procedures of Otter Tail Power Company,”* February 1997, Docket Nos. OA97-163, *et al.*
- » Section 203 Analysis of Entergy Gulf States, Inc. acquiring Calcasieu: *Affidavit of Matthew E. Arenchild, “Entergy Gulf States, Inc. and Calcasieu Power, LLC,”* March 15, 2007, Docket No. EC07-70; *Rebuttal Affidavit of Matthew E. Arenchild, “Entergy Gulf States, Inc. and Calcasieu Power, LLC,”* May 15, 2007, Docket No. EC07-70; *Supplemental Affidavit of Matthew E. Arenchild, “Entergy Gulf States, Inc. and Calcasieu Power, LLC,”* June 28, 2007, Docket No. EC07-70; *Surrebuttal Affidavit of Matthew E. Arenchild, “Entergy Gulf States, Inc. and Calcasieu Power, LLC,”* August 9, 2007, Docket No. EC07-70.
- » Evaluation of Opportunities for Qualifying Facilities in the Service Territories of Southwestern Public Service Company, Oklahoma Gas and Electric, Public Service Company of Oklahoma and Southwestern Electric Power Company: *Affidavit of William H. Hieronymus and Matthew E. Arenchild, “Xcel Energy Services Inc., Southwestern Public Service Company, Oklahoma Gas and Electric Company, American Electric Power Service Corporation, Public Service Company of Oklahoma and Southwestern Electric Power Company,”* September 25, 2007, Docket No. QM07-5.
- » Section 203 Analysis of East Texas Electric Cooperative acquiring Warren Power, LLC: *Affidavit of Matthew E. Arenchild, “Warren Power LLC,”* October 31, 2007, Docket No. EC08-9.
- » Section 203 Analysis of Entergy Arkansas, Inc. acquiring Quachita Power, LLC: *Affidavit of Matthew E. Arenchild, “Quachita Power LLC and Entergy Arkansas, Inc.,”* November 30, 2007, Docket No. EC08-19.
- » Section 205 Analysis for H.Q. Energy Services (U.S.) Inc. and Cedar Rapids Transmission Company: *Affidavit of Matthew E. Arenchild, “H.Q. Energy Services (U.S.) Inc. and Cedar Rapids Transmission Company.,”* June 25, 2008, Docket Nos. ER97-851 and ER07-769.
- » Section 205 Analysis for Entergy Nuclear Power Marketing, LLC *et al.*: *Affidavit of Matthew E. Arenchild, “Entergy Nuclear Power Marketing, LLC et al.,”* June 27, 2008, Docket Nos. ER06-653, *et al.*

- » Section 205 Analysis for New Brunswick Power Generation Corporation: *Affidavit of Matthew E. Arenchild, "New Brunswick Power Generation Corporation,"* August 22, 2008, Docket No. ER08-1439; *Supplemental Affidavit of Matthew E. Arenchild, "Integrays Energy Services, Inc. v. New Brunswick Power Generation Corporation,"* August 10, 2009, Docket Nos. ER08-1439 and EL09-32.
- » Section 205 Analysis for Entergy Services, Inc., et al: *Affidavit of Matthew E. Arenchild, "Entergy Services, Inc., et al.,"* August 29, 2008, Docket Nos. ER99-569, et al.
- » Section 205 Analysis for Xcel Energy Services Inc., et al: *Affidavit of Matthew E. Arenchild, "Xcel Energy Services Inc, Northern States Power Company and Northern States Power Company (Wisconsin),"* December 22, 2008, Docket Nos. ER01-205-033 and ER98-2640-031; *Supplemental Affidavit of Matthew E. Arenchild, "Xcel Energy Services Inc, Northern States Power Company and Northern States Power Company (Wisconsin),"* February 6, 2009, Docket Nos. ER01-205-033 and ER98-2640-031.
- » Section 205 Analysis for Entergy Nuclear Palisades, LLC, et al: *Affidavit of Matthew E. Arenchild, "Entergy Nuclear Palisades, LLC, et al.,"* June 30, 2009, Docket Nos. ER06-1410, et al.
- » Section 205 Analysis for Kansas City Power and Light Company, et al: *Affidavit of William H. Hieronymus and Matthew E. Arenchild, "Kansas City Power and Light Company, et al.,"* July 23, 2009, Docket Nos. ER99-1005, et al.; *Supplemental Affidavit of Matthew E. Arenchild, "Kansas City Power and Light Company, et al.,"* February 18, 2010.
- » Section 205 Analysis for Southwestern Public Service Company: *Affidavit of Matthew E. Arenchild, "Southwestern Public Service Company,"* July 31, 2009, Docket No. ER99-1610; *Supplemental Affidavit of Matthew E. Arenchild, "Southwestern Public Service Company,"* February 18, 2010.
- » Affidavit for Mico, Inc. in Docket No. EL09-56 ("Brown Proceeding"), *Affidavit of Matthew E. Arenchild, "People of the State of California, ex rel. Edmund G. Brown, Jr., Attorney General v. Powerex Corp. (f/k/a/ British Columbia Power, et al.,"* September 3, 2009, Docket No. EL09-56.
- » Testimony for Mico, Inc. in Docket No. EL02-71 ("Lockyer Proceeding"), *Prepared Answering Testimony of Matthew E. Arenchild, "State of California, ex rel. Bill Lockyer, Attorney General v. British Columbia Power Company, et al.,"* September 17, 2009, Docket No. EL02-71.
- » Testimony for Mico, Inc. in Docket No. EL02-71 ("Lockyer Proceeding"), *Prepared Cross-Answering Testimony of Matthew E. Arenchild, "State of California, ex rel. Bill Lockyer, Attorney General v. British Columbia Power Company, et al.,"* November 5, 2009, Docket No. EL02-71.
- » Testimony for Merrill Lynch Capital Services, Inc. in Docket No. EL02-71 ("Lockyer Proceeding"), *Prepared Answering Testimony of Matthew E. Arenchild, "State of California, ex rel. Bill Lockyer, Attorney General v. British Columbia Power Company, et al.,"* September 17, 2009, Docket No. EL02-71.

- » Testimony for Commerce Energy, Inc. in Docket No. EL02-71 (“Lockyer Proceeding”), *Prepared Answering Testimony of Matthew E. Arenchild*, “State of California, ex rel. Bill Lockyer, Attorney General v. British Columbia Power Company, et al.,” September 17, 2009, Docket No. EL02-71.
- » Section 203 Analysis of Entergy Louisiana, LLC acquiring Acadia Power Partners, LLC: *Affidavit of Matthew E. Arenchild*, “Entergy Louisiana, LLC and Acadia Power Partners, LLC.,” January 29, 2010, Docket No. EC10-43.
- » Section 205 Analysis for Llano Estacado Wind, LLC: *Affidavit of Matthew E. Arenchild*, “Llano Estacado Wind, LLC,” March 1, 2010, Docket No. ER02-73.
- » Section 205 Analysis for Llano Estacado Wind, LLC: *Affidavit of Matthew E. Arenchild*, “Llano Estacado Wind, LLC,” December, 2012, Docket No. ER02-73.
- » Section 205 Analysis for Arizona Public Service Company: *Affidavit of Matthew E. Arenchild*, “Arizona Public Service Company,” March 8, 2010, Docket No. ER99-4124.
- » Section 205 Analysis for Arizona Public Service Company: *Affidavit of Matthew E. Arenchild*, “Arizona Public Service Company,” December 2012, Docket No. ER99-4124.
- » Section 205 Analysis for Tucson Electric Company, et al.: *Affidavit of Matthew E. Arenchild*, “Tucson Electric Company, et al.,” March 8, 2010, Docket Nos. ER98-1150, et al.; *Supplemental Affidavit of Matthew E. Arenchild*, “Tucson Electric Power Company, et al.,” August 13, 2010.
- » Section 205 Analysis for Xcel Energy Services Inc., et al: *Affidavit of Matthew E. Arenchild*, “Xcel Energy Services Inc., Public Service Company of Colorado,” June 30, 2010, Docket Nos. ER98-4590, et al.
- » Section 205 Analysis for Tucson Electric Company, et al.: *Affidavit of Matthew E. Arenchild*, “Tucson Electric Company, et al, December 2012, Docket Nos. ER98-1150, et al.
- » Notice of Change in Status Analysis for Arizona Public Service Company: *Affidavit of Matthew E. Arenchild*, “Arizona Public Service Company,” June 24, 2010, Docket No. ER99-4124.
- » Section 203 Analysis: *Affidavit of Matthew E. Arenchild*, “Entergy Power Ventures, LP,” September 1, 2010, Docket No. EC10-91.
- » Notice of Change in Status Analysis for Kansas City Power and Light, et al.: *Affidavit of Matthew E. Arenchild*, “Kansas City Power and Light Company, et al.,” September 27, 2010, Docket Nos. ER99-1005, et al.
- » Section 203 Analysis: *Affidavit of Matthew E. Arenchild*, “EAM Nelson Holding, LLC,” May 2, 2011, Docket No. EC11-76.

- » Section 205 Analysis for Entergy Nuclear Power Marketing, LLC *et al.*: *Affidavit of Matthew E. Arenchild*, “Entergy Nuclear Power Marketing, LLC *et al.*,” June 29, 2011, Docket Nos. ER06-653, *et al.*
- » Section 205 Analysis for Entergy Services, Inc., *et al.*: *Affidavit of Matthew E. Arenchild*, “Entergy Services, Inc., *et al.*,” June 30, 2011, Docket Nos. ER99-569, *et al.*; *Supplemental Affidavit of Matthew E. Arenchild*, Entergy Services, Inc., *et al.*,” December 2, 2011.
- » Notice of Change in Status Analysis for Kansas City Power and Light, *et al.*: *Affidavit of Matthew E. Arenchild*, “Kansas City Power and Light Company, *et al.*,” July 15, 2011, Docket Nos. ER99-1005, *et al.*; *Supplemental Affidavit of Matthew E. Arenchild*, “Kansas City Power and Light Company, *et al.*,” October 28, 2011.
- » “Market Power Issues in Bilateral Ancillary Services Markets,” Docket Nos. RM11-24 and AC10-13, August 22, 2011. Lead author for report filed as part of *Comments of WSPP Inc.*
- » Section 203 Analysis: *Affidavit of Matthew E. Arenchild*, “FPLE Rhode Island State Energy L.P., *et al.*,” November 11, 2011, Docket No. EC12-23.
- » Section 205 Analysis for Xcel Energy Services Inc., *et al.*: *Affidavit of Matthew E. Arenchild*, “Xcel Energy Services Inc., Northern States Power Company and Northern States Power Company (Wisconsin),” December 22, 2011, Docket Nos. ER10-1819., *et al.*
- » Section 203 Analysis: *Affidavit of Matthew E. Arenchild*, “Arizona Public Service Company,” May 31, 2012, Docket No. EC12-106. (Four Corners analysis)
- » Section 205 Analysis for Southwestern Public Service Company: *Affidavit of Matthew E. Arenchild*, “Southwestern Public Service Company,” June 30, 2012, Docket No. ER99-1610.
- » Section 205 Analysis for Kansas City Power and Light Company, *et al.*: *Affidavit of Matthew E. Arenchild*, “Kansas City Power and Light Company, *et al.*,” June 28, 2012, Docket Nos. ER10-2074, *et al.*
- » Section 205 Analysis for Entergy Nuclear Palisades, LLC and Northern Iowa Windpower, LP: *Affidavit of Matthew E. Arenchild*, “Entergy Nuclear Palisades, LLC, *et al.*,” June 30, 2012, Docket Nos. ER10-1532, *et al.*
- » Section 205 (Change in Status) Analysis for Kansas City Power and Light Company, *et al.*: *Supplemental Affidavit of Matthew E. Arenchild*, “Kansas City Power and Light Company, *et al.*,” September, 2012, Docket Nos. ER10-2074, *et al.*; *Second Supplemental Affidavit of Matthew E. Arenchild*, “Kansas City Power and Light Company, *et al.*,” January, 2013, Docket Nos. ER10-2074, *et al.*
- » Notice of Change in Status Analysis for Entergy Services, *et al.*: *Affidavit of Matthew E. Arenchild*, “Entergy Services, *et al.*,” December 31, 2012, ER99-569, *et al.*

- » Section 203 Analysis of Nevada Power Company acquiring a portion of Reid Gardner Unit 4: *Joint Affidavit of Julie Solomon and Matthew E. Arenchild, "Nevada Power Company,"* April 22, 2013, Docket No. EC13-96.
- » Section 205 Analysis for Xcel Energy Services Inc., *et al: Affidavit of Matthew E. Arenchild, "Xcel Energy Services Inc., Public Service Company of Colorado,"* June 28, 2013, Docket Nos. ER10-1818, *et al.*
- » Notice of Change in Status Analysis for Arizona Public Service Company: *Affidavit of Matthew E. Arenchild, "Arizona Public Service Company,"* January, 2014, Docket No. ER99-4124.
- » Notice of Change in Status Analysis for Tucson Electric Power/UNSE: *Affidavit of Matthew E. Arenchild, "Tucson Electric Power, et al"* January 21, 2014, Docket No. ER10-2564.
- » Section 203 Analysis: *Affidavit of Matthew E. Arenchild, "Tucson Electric Power Company, et al."* May 15, 2014, Docket No. EC14-88. (Gila River Power Block 3 analysis)
- » Speaker: American Power Conference, April 2000: "The Role of the Electric Transmission Network in Market Power Analysis."
- » Speaker: Morgan Lewis / CRA, International Conference, May 2006: "Getting from Surviving to Thriving in the New Compliance Era: What to do if faced with an Audit/Investigation."
- » Speaker: Center for Research in Regulated Industries, Western Conference, June 2012: "Analyzing State RPS Provisions: Lessons from PURPA's Implementation."
- » Speaker: Center for Research in Regulated Industries, Western Conference, June 2014: "Impact of FERC's Implementation of FPA Section 203 on Utility Integrated Resource Plans."
- » Member of Organizing Committee/Speaker/Discussant, 2008-2014: Center for Research in Regulated Industries, Western Conference.
- » Panel Member: Various state public utility commission proceedings and before regulatory and economic conferences, including sworn testimony before the Mississippi Public Service Commission regarding deregulating the state's electric industry.
- » Board of Directors (Vice President): New Morning Youth and Family Services (<http://www.newmorningyfs.org>)

Applicant Generation

Exhibit MEA-2

Entergy Generation and Purchases in the Midcontinent ISO Balancing Authority Area

Plant Name	Generator ID	Ownership %	Winter Total Capacity	Spring Total Capacity	Summer Total Capacity	Fall Total Capacity
Entergy Operating Companies - Owned						
Acadia	CC	100%	621	621	532	621
Arkansas Nuclear One	1	100%	851	851	836	851
Arkansas Nuclear One	2	100%	1,005	1,005	992	1,005
Attala	A01	100%	166	166	153	166
Attala	A02	100%	166	166	153	166
Attala	A03	100%	160	160	148	160
Baxter Wilson	1	100%	515	515	500	515
Baxter Wilson	2	100%	697	697	676	697
Big Cajun 2	3	24%	142	142	142	142
Big Cajun 2	3	18%	105	105	105	105
Buras	8	100%	14	14	12	14
Calcasieu	G101	100%	155	155	150	155
Calcasieu	G102	100%	167	167	160	167
Carpenter	1	100%	28	28	31	28
Carpenter	2	100%	28	28	31	28
Cecil Lynch ^{1/}	2	100%	0	0	0	0
Cecil Lynch ^{1/}	3	100%	110	110	110	110
Cecil Lynch ^{1/}	4	100%	5	5	5	5
Gerald Andrus	1	100%	741	741	712	741
Grand Gulf	1	90%	1,317	1,317	1,071	1,317
Harvey Couch ^{1/}	2	100%	123	123	123	123
Independence	1	32%	263	263	263	263
Independence ^{2/}	2	25%	0	0	0	0
Independence	1	25%	209	209	209	209
Independence ^{2/}	2	14%	20	20	20	20
Hinds Energy Facility	CC	100%	479	479	450	479
Hot Spring Generating Facility	CC	100%	604	604	630	604
Lake Catherine ^{1/}	1	100%	47	47	47	47
Lake Catherine ^{1/}	2	100%	47	47	45	47
Lake Catherine ^{1/}	3	100%	96	96	96	96
Lake Catherine	4	100%	525	525	525	525
Lewis Creek	1	100%	230	230	230	230
Lewis Creek	2	100%	230	230	230	230
Little Gypsy	1	100%	244	244	238	244
Little Gypsy	2	100%	415	415	410	415
Little Gypsy	3	100%	528	528	511	528
Louisiana 2 ^{3/}	10	100%	0	0	0	0
Louisiana 2 ^{3/}	11	100%	0	0	0	0
Louisiana 2 ^{3/}	12	100%	0	0	0	0
Mabelvale	1	100%	16	16	14	16
Mabelvale ^{1/}	2	100%	16	16	14	16
Mabelvale	3	100%	16	16	14	16

Applicant Generation

Exhibit MEA-2

Plant Name	Generator ID	Ownership %	Winter Total Capacity	Spring Total Capacity	Summer Total Capacity	Fall Total Capacity
Mabelvale ^{1/}	4	100%	16	16	14	16
Michoud	2	100%	235	235	235	235
Michoud	3	100%	470	470	470	470
Nine Mile Point	3	100%	128	128	125	128
Nine Mile Point	5	100%	750	750	740	750
Nine Mile Point	4	100%	500	500	500	500
Nine Mile Point ^{4/}	6	100%	550	550	550	550
Ouachita	CTG1	100%	165	165	151	165
Ouachita	CTG2	100%	166	166	152	166
Ouachita	CTG3	100%	164	164	158	164
Ouachita	STG1	100%	103	103	104	103
Ouachita	STG2	100%	104	104	105	104
Ouachita	STG3	100%	104	104	100	104
Perryville Power Station	2-CT	100%	168	168	156	168
Perryville Power Station	CT-1	100%	166	166	160	166
Perryville Power Station	CT-2	100%	166	166	160	166
Perryville Power Station	ST-1	100%	230	230	215	230
R S Nelson	1	100%	109	109	107	109
R S Nelson	2	100%	108	108	106	108
R S Nelson ^{3/}	3	100%	146	146	146	146
R S Nelson	4	100%	410	410	410	410
R S Nelson	6	81%	446	446	437	446
Rommel	1	100%	3	3	4	3
Rommel	2	100%	3	3	4	3
Rommel	3	100%	3	3	4	3
Rex Brown	3	100%	70	70	70	70
Rex Brown	4	100%	213	213	209	213
Rex Brown	GT1	100%	11	11	10	11
River Bend	1	100%	979	979	975	979
Robert E Ritchie	1	100%	0	0	0	0
Robert E Ritchie ^{5/}	2	100%	544	544	544	544
Robert E Ritchie	GT1	100%	0	0	0	0
RS Cogen	RS-4	50%	40	40	40	40
RS Cogen	RS-5	50%	92	92	84	92
RS Cogen	RS-6	50%	92	92	84	92
Sabine	1	100%	212	212	212	212
Sabine	2	100%	212	212	212	212
Sabine	3	100%	400	400	390	400
Sabine	4	100%	531	531	525	531
Sabine	5	100%	480	480	470	480
Sterlington	7A	100%	56	56	44	56
Sterlington	7B	100%	55	55	44	55
Sterlington	7C	100%	42	42	86	42
Waterford 1 & 2	1	100%	411	411	411	411
Waterford 1 & 2	2	100%	411	411	411	411
Waterford 1 & 2	4	100%	35	35	31	35
Waterford 3	3	100%	1,180	1,180	1,159	1,180

Applicant Generation

Exhibit MEA-2

Plant Name	Generator ID	Ownership %	Winter Total Capacity	Spring Total Capacity	Summer Total Capacity	Fall Total Capacity
White Bluff	1	57%	465	465	465	465
White Bluff	2	57%	481	481	481	481
Willow Glen ^{3/}	1	100%	54	54	152	54
Willow Glen	2	100%	180	180	195	180
Willow Glen ^{3/}	3	100%	0	0	0	0
Willow Glen	4	100%	485	485	470	485
Willow Glen ^{3/}	5	100%	0	0	0	0
			24,244	24,244	23,676	24,244
Entergy Operating Company - Purchases						
Agrilectric Power Partners Ltd	GEN1	0%	11	11	11	11
Union Power Partners LP	CC1	0%	536	536	505	536
SRMPA Purchase	Pur	0%	225	225	225	225
Rain CII Carbon LLC	G-1	0%	28	28	28	28
Toledo Bend	1	0%	41	41	41	41
Toledo Bend	2	0%	41	41	41	41
Hardin County Peaking Facility	GT	0%	172	172	146	172
San Jacinto County Peaking Facility	GT	0%	170	170	146	170
Carville Energy LLC	CC	0%	500	500	473	500
Plaquemine Cogeneration Plant	CC	0%	100	100	100	100
Taft Cogeneration Facility	CC	0%	180	180	155	180
Tenaska Frontier Generation Station	CC	0%	300	300	300	300
Sidney A Murray Jr Hydroelectric	HY	0%	97	97	95	97
Sabine River Works	CC	0%	100	100	87	100
			2,500	2,500	2,352	2,500
Other Entergy Operating Companies Assets						
Palisades (MI) ^{6/}	1	100%	0	0	0	0
Top of Iowa Windfarm	NM	50%	40	40	40	40
			40	40	40	40
			26,784	26,784	26,068	26,784

Sources/Notes:

Unit Net Dependable Capacity Ratings from EIA 860, Ventyx and company information.

Totals exclude AECC's Bailey (122 MW) and McClennan (134 MW) facilities owned by AECC, but listed in Entergy's Asset Appendix.

1/ Units are retired since December, 19 2013 but included in the analyses

2/ The full capacity of Independence 2 associated with the applicants' ownership interests in the facility is attributed to applicants in this analysis.

3/ The are Inactive Reserves Units but included in the analyses

4/ Nine Mile Point unit 6 came online in December 2014

5/ Robert E Ritchie unit 2 is retired as of December 2014

6/ Entergy owns 100% of the Palisades plant but the capacity is all committed to Consumers Energy Company

Part I -- Pivotal Supplier Analysis (Entergy MBR Sellers)

		MISO	
Row	Generation	MW	Reference (December '12 - November '13)
	Seller and Affiliate Capacity		
A	Installed Capacity	23,716	Exhibit MEA-2
B	Long-Term Firm Purchases	2,352	Exhibit MEA-2
C	Long-Term Firm Sales	-	
D	Imported Power	-	Wkp-Import Allocation
	Non-Affiliate Capacity		
E	Installed Capacity	118,409	MISO Report, less Row A and B
F	Long-Term Firm Purchases	3,157	MISO Report
G	Long-Term Firm Sales	(1,134)	MISO Report
H	Imported Power	13,128	MISO Report, less Row D
I	Balancing Authority Area Reserve Requirement	(2,438)	MISO Report
J	Amount of Line I Attributable to Seller, if any	-	Conservatively assumed to be zero
K	Total Uncommitted Capacity	58,504	SUM (A,B,C,D,E,F,G,H,I,M)
	Load		
L	Balancing Authority Area Annual Peak Load	121,124	MISO Report
M	Average Daily Peak Native Load in Peak Month	(98,686)	MISO Report
N	Amount of Line M Attributable to Seller, if any	(19,099)	Workpaper - Entergy Load
O	Wholesale Load	22,438	(L+M)
P	Net Uncommitted Supply	36,066	(K-O)
Q	Seller's Uncommitted Capacity	6,968	SUM (A,B,C,D,J,N)
R	Result of Pivotal Supplier Screen	PASS	(Pass if $Q < P$); (Fail if $Q > P$)

Part II -- Market Share Analysis (Entergy MBR Sellers)

		MISO				Reference
Row		Winter (MW)	Spring (MW)	Summer (MW)	Fall (MW)	December '12 - November '13
	Seller and Affiliate Capacity					
A	Installed Capacity	24,284	24,284	23,716	24,284	Exhibit MEA-2
B	Long-Term Firm Purchases	2,500	2,500	2,352	2,500	Exhibit MEA-2
C	Long-Term Firm Sales	-	-	-	-	
D	Seasonal Average Planned Outages	(2,535)	(3,511)	(536)	(1,110)	FERC Form 714
E	Imported Power	-	-	-	-	Wkp-Import Allocation
	Capacity Deductions					
F	Average Peak Native Load in the Season	(83,507)	(78,036)	(96,986)	(82,497)	MISO Report
G	Amount of Line F Attributable to Seller, if any	(13,737)	(13,823)	(18,637)	(15,166)	Workpaper - Entergy Load
H	Amount of Line F Attributable to Others, if any	(69,770)	(64,213)	(78,349)	(67,331)	
I	Balancing Authority Area Reserve Requirement, if any	(2,440)	(2,439)	(2,438)	(2,440)	MISO Report
J	Amount of Line I Attributable to Seller, if any	-	-	-	-	Conservatively assumed to be zero
K	Amount of Line I Attributable to Others, if any	(2,440)	(2,439)	(2,438)	(2,440)	
	Non-Affiliate Capacity					
L	Installed Capacity	117,693	117,693	118,409	117,693	MISO Report, less Row A and B
M	Long-Term Firm Purchases	3,157	3,157	3,157	3,157	MISO Report
N	Long-Term Firm Sales	(1,134)	(1,134)	(1,134)	(1,134)	MISO Report
O	Local Seasonal Average Planned Outages	(4,909)	(17,487)	(3,321)	(14,824)	MISO Report Less Row D
P	Uncommitted Capacity Imports	15,373	20,446	13,128	18,027	MISO Report less Row E
	Supply Calculation					
Q	Total Competing Supply	57,970	56,023	49,453	53,148	SUM (L,M,N,O,P,H,K)
R	Seller's Uncommitted Capacity	10,512	9,450	6,894	10,508	SUM (A,B,C,D,E,G,J)
S	Total Seasonal Uncommitted Capacity	68,482	65,473	56,347	63,656	SUM (Q,R)
T	Seller's Market Share	15.3%	14.4%	12.2%	16.5%	(R/S)
	Results	PASS	PASS	PASS	PASS	Pass if T <20%; Fail if T > 20%

MISO Informational Filing of 2014 Simultaneous Import Limit Study Docket
No. AD10-02

	Pivotal Supplier Analysis	Market Share Analysis			
		<u>Winter</u>	<u>Spring</u>	<u>Summer</u>	<u>Fall</u>
<u>Capacity</u>					
Generation	144,477	144,477	144,477	144,477	144,477
Long-Term Purchases	3,157	3,157	3,157	3,157	3,157
Long-Term Sales	1,134	1,134	1,134	1,134	1,134
Planned Outages		7,444	20,998	3,857	15,934
<u>Capacity Deductions</u>					
Load - Needle Peak	121,124				
Average Monthly Peak	98,686				
Seasonal Average		83,507	78,036	96,986	82,497
Operating Reserves	2,438	2,440	2,439	2,438	2,440
<u>SIL</u>					
Row 10	13,128	15,373	20,446	13,128	18,027
LT Firm Tx Reservations					
<u>First-Tier Uncommitted Capacity</u>					
From SIL model	76,963	114,602	129,078	76,963	133,977

	Pivotal Supplier Analysis	Market Share Analysis			
		Winter	Spring	Summer	Fall
Affiliated Uncommitted Capacity in First-Tier Markets	-	-	-	-	-
Uncommitted Generation in First-Tier Markets	76,963	114,602	129,078	76,963	133,977
Share of Uncommitted Capacity	0.0%	0.0%	0.0%	0.0%	0.0%
SIL	13,128	15,373	20,446	13,128	18,027
Import Allocation	-	-	-	-	-

Entergy's Load Data

Dec 2012-Nov 2013 Load

Needle Peak Load	21,581
Average Daily Peak Month	19,099
Winter	13,737
Spring	13,823
Summer	18,637
Fall	15,166

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
12/1/2012	10,420	10,174	10,050	9,984	10,090	10,365	10,653	10,924	11,216	11,424	11,493	11,459	11,410	11,473	11,531	11,466	11,478	12,187	12,255	12,067	11,853	11,520	11,055	10,495
12/2/2012	10,024	9,802	9,596	9,522	9,486	9,612	9,905	10,109	10,486	10,726	11,007	11,228	11,567	11,758	11,750	11,744	11,739	12,467	12,742	12,562	12,199	11,691	11,045	10,305
12/3/2012	9,896	9,654	9,575	9,608	9,740	10,263	11,374	11,530	11,611	11,771	11,959	12,159	12,203	12,445	12,407	12,428	12,464	13,259	13,455	13,299	12,901	12,520	11,695	10,899
12/4/2012	10,401	10,163	9,995	9,855	9,998	10,535	11,468	11,606	11,776	12,002	12,259	12,390	12,412	12,396	12,225	12,166	12,246	12,819	12,999	12,767	12,583	12,028	11,448	10,829
12/5/2012	10,429	10,266	10,218	10,172	10,337	10,778	11,636	11,798	11,839	11,909	11,913	11,927	11,868	11,881	11,872	11,902	12,009	12,772	13,008	12,866	12,581	12,142	11,455	10,810
12/6/2012	10,587	10,287	10,098	10,097	10,268	10,664	11,355	11,466	11,503	11,645	11,706	11,627	11,575	11,646	11,597	11,608	11,716	12,381	12,674	12,715	12,527	12,040	11,331	10,695
12/7/2012	10,173	9,991	9,958	9,956	10,064	10,559	11,325	11,488	11,508	11,673	11,773	11,800	11,803	11,835	11,835	11,777	11,766	12,332	12,431	12,213	12,000	11,620	11,127	10,566
12/8/2012	10,161	9,879	9,707	9,696	9,701	9,839	10,147	10,414	10,875	11,278	11,459	11,564	11,605	11,688	11,733	11,763	11,779	12,389	12,528	12,316	12,084	11,747	11,213	10,643
12/9/2012	10,124	9,788	9,501	9,432	9,430	9,426	9,674	9,898	10,392	10,827	11,099	11,360	11,525	11,643	11,651	11,636	11,745	12,611	12,866	12,716	12,469	12,033	11,311	10,649
12/10/2012	10,073	9,822	9,726	9,722	9,891	10,557	11,701	12,166	12,302	12,539	12,663	12,555	12,413	12,215	12,110	12,078	12,547	13,513	14,126	14,124	14,013	13,613	12,918	12,341
12/11/2012	12,099	11,981	12,003	12,136	12,548	13,458	14,698	14,678	14,394	14,089	13,788	13,332	13,013	12,865	12,713	12,818	13,330	14,347	14,861	15,030	15,005	14,506	13,709	12,992
12/12/2012	12,646	12,473	12,470	12,594	12,988	13,963	15,088	15,116	14,791	14,176	13,547	13,006	12,585	12,377	12,118	12,116	12,487	13,619	14,449	14,757	14,828	14,500	13,695	13,144
12/13/2012	12,879	12,802	12,886	13,015	13,429	14,403	15,588	15,607	15,134	14,475	13,639	12,878	12,331	11,994	11,761	11,697	11,898	12,977	13,711	13,750	13,802	13,528	12,874	12,226
12/14/2012	11,958	11,860	11,887	11,997	12,347	13,159	14,340	14,317	13,791	13,257	12,729	12,294	11,952	11,735	11,602	11,652	11,892	12,687	12,870	12,750	12,659	12,281	11,636	11,123
12/15/2012	10,562	10,270	10,119	10,010	10,018	10,228	10,564	10,772	11,128	11,358	11,432	11,432	11,290	11,244	11,186	11,250	11,328	12,118	12,263	12,116	11,888	11,605	11,167	10,606
12/16/2012	10,138	9,932	9,728	9,618	9,617	9,723	9,989	10,257	10,670	11,029	11,185	11,274	11,370	11,401	11,374	11,397	11,564	12,250	12,409	12,392	12,169	11,724	11,094	10,468
12/17/2012	9,996	9,760	9,628	9,672	9,848	10,456	11,511	11,815	11,805	11,854	11,945	11,898	11,804	11,807	11,762	11,704	11,771	12,546	13,041	13,104	12,983	12,617	12,023	11,340
12/18/2012	10,949	10,820	10,809	10,884	11,264	12,156	13,469	13,677	13,284	12,798	12,443	12,056	11,931	11,915	11,819	11,739	11,743	12,480	12,871	12,876	12,779	12,396	11,771	11,038
12/19/2012	10,676	10,529	10,470	10,485	10,725	11,467	12,440	12,579	12,415	12,475	12,276	12,210	12,151	12,271	12,310	12,316	12,378	13,127	13,424	13,258	13,058	12,702	11,973	11,334
12/20/2012	10,803	10,448	10,225	10,064	10,086	10,587	11,498	11,784	11,916	12,161	12,323	12,263	12,135	12,116	12,085	12,208	12,490	13,571	14,229	14,359	14,362	14,125	13,600	13,062
12/21/2012	12,715	12,657	12,612	12,743	13,134	13,980	15,076	15,344	15,167	14,720	14,220	13,673	12,895	12,583	12,197	12,079	12,303	13,277	13,889	14,051	14,122	14,004	13,691	13,201
12/22/2012	12,850	12,736	12,719	12,798	13,007	13,456	13,959	14,386	14,542	13,854	12,966	12,240	11,545	11,135	10,926	10,809	10,962	11,940	12,393	12,480	12,462	12,323	11,889	11,328
12/23/2012	10,895	10,699	10,501	10,429	10,433	10,574	10,882	11,183	11,542	11,664	11,473	11,274	11,120	10,993	10,856	10,823	11,019	11,744	11,965	11,918	11,815	11,538	11,098	10,553
12/24/2012	10,021	9,724	9,506	9,460	9,506	9,766	10,136	10,345	10,766	11,214	11,422	11,453	11,395	11,289	11,433	11,412	11,387	11,874	11,931	11,705	11,535	11,425	11,113	10,669
12/25/2012	10,254	10,007	9,827	9,732	9,781	10,049	10,393	10,795	11,282	11,795	12,104	12,158	11,923	11,689	11,512	11,371	11,332	11,750	12,029	12,162	12,142	11,970	11,588	11,226
12/26/2012	10,996	11,064	11,016	11,141	11,434	12,041	12,854	13,529	13,977	14,278	14,314	14,117	13,830	13,648	13,389	13,333	13,711	14,586	15,032	15,038	14,922	14,760	14,196	13,600
12/27/2012	13,153	13,042	12,985	13,212	13,583	14,033	14,731	15,138	15,252	15,321	14,915	14,416	13,842	13,489	13,303	13,299	13,641	14,375	14,611	14,567	14,232	13,747	13,068	12,298
12/28/2012	11,763	11,481	11,397	11,330	11,503	11,858	12,408	12,728	12,871	13,002	12,997	12,951	12,834	12,732	12,640	12,638	12,866	13,496	13,630	13,525	13,407	13,158	12,765	12,354
12/29/2012	12,080	11,908	11,935	11,943	12,161	12,610	13,126	13,617	14,015	14,249	14,165	13,802	13,421	13,145	12,863	12,764	13,109	14,200	14,731	14,777	14,829	14,734	14,504	14,009
12/30/2012	13,648	13,656	13,650	13,727	13,859	14,205	14,792	15,225	15,291	15,169	14,335	13,789	13,328	12,965	12,691	12,569	12,792	13,794	14,285	14,397	14,314	14,050	13,641	13,030
12/31/2012	12,563	12,379	12,238	12,223	12,304	12,671	13,219	13,405	13,594	13,787	13,745	13,481	13,141	12,861	12,676	12,528	12,631	13,226	13,157	12,757	12,444	12,022	11,650	11,304
1/1/2013	10,865	10,642	10,407	10,282	10,258	10,435	10,594	10,695	10,935	11,413	11,768	12,047	12,036	12,000	11,912	11,898	12,101	12,775	12,973	12,901	12,789	12,472	12,059	11,644
1/2/2013	11,312	11,243	11,221	11,326	11,666	12,325	13,266	13,854	14,151	14,467	14,685	14,639	14,603	14,565	14,522	14,586	14,865	15,592	15,924	15,759	15,518	15,005	14,448	13,998
1/3/2013	13,534	13,365	13,322	13,449	13,797	14,596	15,484	15,888	15,963	15,599	15,155	14,638	14,037	13,684	13,485	13,334	13,594	14,536	15,296	15,379	15,287	14,934	14,346	13,678
1/4/2013	13,268	13,109	13,093	13,130	13,713	14,585	15,199	15,589	15,730	15,186	14,766	14,221	13,628	13,242	13,068	12,856	13,015	13,787	14,176	14,112	13,978	13,655	13,240	12,739
1/5/2013	12,338	12,164	12,000	12,012	12,109	12,412	12,836	13,009	13,354	13,663	13,728	13,581	13,335	13,188	13,089	13,068	13,226	13,781	13,943	13,843	13,707	13,396	12,899	12,359
1/6/2013	11,996	11,763	11,649	11,650	11,765	12,042	12,419	12,838	13,214	13,248	12,927	12,611	12,352	12,111	11,946	11,839	11,997	12,896	13,564	13,753	13,692	13,445	12,996	12,543
1/7/2013	12,313	12,304	12,422	12,622	13,026	14,062	15,331	15,556	15,224	14,697	14,073	13,570	13,039	12,704	12,406	12,358	12,553	13,558	14,223	14,241	13,968	13,600	12,907	12,259
1/8/2013	11,770	11,553	11,536	11,540	11,791	12,539	13,623	13,781	13,475	13,270	13,048	12,825	12,627	12,545	12,413	12,495	12,760	13,353	13,570	13,387	13,043	12,409	11,629	10,901
1/9/2013	10,425	10,138	10,009	9,977	10,138	10,745	11,837	12,141	11,974	12,035	12,197	12,158	12,135	12,163	12,168	12,160	12,362	12,915	13,026	12,824	12,587	12,142	11,431	10,741
1/10/2013	10,282	10,079	9,925	9,883	10,009	10,564	11,590	11,943	12,228	12,181	12,355	12,244	12,130	12,004	11,867	11,840	11,920	12,344	12,683	12,605	12,346	11,895	11,299	10,618
1/11/2013	10,134	10,000	9,881	9,935	10,128	10,828	12,064	12,311	12,231	12,069	11,939	11,822	11,651	11,701	11,738	11,594	11,688	12,173	12,387	12,163	11,897	11,606	11,138	10,516

1/12/2013	10,170	9,896	9,736	9,653	9,643	9,815	10,110	10,426	10,808	11,272	11,660	11,876	11,946	11,906	11,855	11,784	11,715	12,209	12,435	12,189	12,048	11,740	11,328	10,890
1/13/2013	10,467	10,182	9,983	9,844	9,890	10,063	10,419	10,826	11,392	11,961	12,193	12,456	12,631	12,633	12,487	12,402	12,522	13,103	13,485	13,564	13,419	13,057	12,465	11,982
1/14/2013	11,686	11,567	11,506	11,607	12,019	12,883	14,217	14,709	14,754	14,881	15,076	15,130	15,064	14,955	14,827	14,902	15,239	15,961	16,598	16,430	16,240	15,602	14,833	13,909
1/15/2013	13,481	13,310	13,217	13,254	13,578	14,346	15,493	15,770	15,656	15,740	15,730	15,657	15,559	15,496	15,305	15,403	15,512	16,146	16,462	16,358	16,018	15,555	14,685	14,077
1/16/2013	13,556	13,373	13,354	13,450	13,772	14,584	15,766	16,119	15,984	15,948	15,785	15,653	15,315	15,109	14,873	14,905	15,078	15,843	16,541	16,571	16,501	15,989	15,199	14,520
1/17/2013	14,245	14,062	14,106	14,168	14,557	15,369	16,478	16,594	16,073	15,405	14,786	14,062	13,522	13,165	12,836	12,659	12,742	13,639	14,609	14,846	14,881	14,590	13,994	13,472
1/18/2013	13,238	13,125	13,198	13,395	13,832	14,731	15,994	16,208	15,584	14,928	14,216	13,561	12,941	12,541	12,189	12,047	12,067	12,740	13,543	13,771	13,864	13,846	13,607	13,226
1/19/2013	12,905	12,837	12,755	12,810	12,974	13,372	13,827	14,133	14,274	13,827	13,250	12,561	11,895	11,428	11,104	10,980	11,070	11,712	12,419	12,522	12,512	12,397	12,085	11,745
1/20/2013	11,522	11,440	11,482	11,559	11,797	12,127	12,574	12,977	13,184	12,714	12,029	11,484	11,196	10,997	10,803	10,673	10,694	11,314	12,079	12,159	12,125	12,050	11,687	11,357
1/21/2013	11,134	11,057	11,081	11,208	11,505	12,272	13,155	13,622	13,716	13,458	13,104	12,681	12,334	12,100	11,965	11,899	11,987	12,603	13,497	13,563	13,413	13,042	12,423	11,893
1/22/2013	11,555	11,491	11,482	11,648	12,052	13,032	14,438	14,652	14,297	13,951	13,514	13,120	12,747	12,512	12,383	12,291	12,401	12,971	13,802	13,894	13,748	13,373	12,780	12,150
1/23/2013	11,864	11,771	11,744	11,844	12,157	12,999	14,264	14,282	13,878	13,369	12,848	12,436	12,106	11,879	11,810	11,655	11,664	12,076	12,854	12,819	12,665	12,270	11,666	11,075
1/24/2013	10,655	10,506	10,435	10,526	10,759	11,579	12,746	12,894	12,677	12,494	12,412	12,338	12,285	12,348	12,276	12,309	12,396	12,782	13,353	13,292	13,026	12,507	11,845	11,107
1/25/2013	10,686	10,601	10,528	10,572	10,793	11,338	12,439	12,623	12,471	12,462	12,493	12,387	12,238	12,109	12,046	11,957	11,935	12,201	12,641	12,494	12,284	11,963	11,549	11,001
1/26/2013	10,635	10,426	10,281	10,235	10,366	10,667	11,035	11,358	11,744	12,030	12,112	12,123	12,008	11,918	11,864	11,838	11,865	12,172	12,561	12,413	12,133	11,754	11,235	10,789
1/27/2013	10,290	9,998	9,873	9,822	9,886	10,013	10,425	10,665	11,193	11,453	11,302	11,222	11,271	11,153	11,067	11,028	11,082	11,490	12,186	12,183	11,875	11,457	10,845	10,210
1/28/2013	9,812	9,597	9,332	9,388	9,553	10,181	11,266	11,543	11,530	11,677	11,800	11,896	11,990	12,003	11,855	11,939	11,967	12,182	12,809	12,731	12,389	11,902	11,250	10,528
1/29/2013	10,004	9,759	9,579	9,497	9,626	10,262	11,299	11,522	11,538	11,725	11,900	12,036	12,140	12,251	12,220	12,221	12,246	12,669	13,202	13,151	12,829	12,306	11,635	10,798
1/30/2013	10,360	10,027	9,883	9,842	9,976	10,543	11,743	12,057	12,072	12,179	12,256	12,339	12,362	12,375	12,457	12,524	12,568	13,218	14,275	14,432	14,357	14,040	13,398	12,677
1/31/2013	12,500	12,342	12,378	12,613	13,011	14,029	15,487	15,525	14,799	14,013	13,550	13,293	12,686	12,431	12,115	12,070	12,297	12,899	13,534	13,664	13,737	13,433	12,837	12,153
2/1/2013	11,726	11,654	11,788	11,984	12,469	13,198	14,455	14,580	14,192	13,921	13,558	13,129	12,650	12,450	12,294	12,280	12,274	12,712	13,230	13,361	13,391	13,152	12,763	12,316
2/2/2013	11,988	11,853	11,831	11,833	11,972	12,231	12,707	12,996	13,147	12,864	12,323	11,910	11,520	11,293	11,115	11,008	11,018	11,240	11,918	11,951	11,851	11,705	11,412	11,117
2/3/2013	10,882	10,833	10,791	10,811	10,920	11,120	11,468	11,811	12,024	11,830	11,470	11,261	11,093	10,974	10,924	10,863	10,880	11,134	11,703	11,797	11,859	11,726	11,669	11,126
2/4/2013	10,915	10,795	10,747	10,797	11,065	11,726	12,825	13,013	12,868	12,841	12,817	12,689	12,538	12,347	12,181	12,133	12,325	12,813	13,358	13,336	13,022	12,488	11,802	11,158
2/5/2013	10,846	10,551	10,408	10,454	10,645	11,355	12,298	12,496	12,350	12,270	12,172	12,153	12,024	11,986	11,924	11,929	11,916	12,045	12,786	12,819	12,686	12,196	11,645	11,044
2/6/2013	10,556	10,373	10,354	10,321	10,638	11,350	12,499	12,641	12,515	12,528	12,388	12,225	12,121	12,074	11,968	11,975	12,095	12,582	12,993	12,902	12,663	12,241	11,447	10,773
2/7/2013	10,442	10,369	10,289	10,276	10,458	10,924	11,882	12,040	11,934	11,905	11,891	11,744	11,660	11,644	11,537	11,563	11,551	11,813	12,390	12,427	12,250	11,880	11,255	10,671
2/8/2013	10,171	9,961	9,890	9,928	10,081	10,700	11,781	12,058	12,086	12,121	12,126	11,949	11,827	11,711	11,625	11,519	11,496	11,720	12,370	12,408	12,309	12,118	11,743	11,264
2/9/2013	10,940	10,767	10,657	10,744	10,890	11,233	11,629	12,222	12,683	12,791	12,620	12,184	11,847	11,625	11,492	11,395	11,461	11,743	12,335	12,242	12,118	11,944	11,284	10,781
2/10/2013	10,296	10,028	9,894	9,843	9,823	9,982	10,265	10,479	10,912	11,266	11,357	11,314	11,376	11,293	11,208	11,204	11,210	11,526	12,158	12,060	11,867	11,591	11,085	10,503
2/11/2013	10,101	9,885	9,856	9,897	10,076	10,683	11,699	11,957	12,176	12,303	12,464	12,359	12,252	12,232	12,141	12,211	12,371	12,790	13,320	13,178	12,895	12,548	11,923	11,229
2/12/2013	10,803	10,644	10,553	10,633	10,817	11,422	12,328	12,551	12,607	12,739	12,797	12,745	12,687	12,636	12,472	12,440	12,536	12,898	13,457	13,425	13,121	12,615	11,999	11,367
2/13/2013	10,949	10,735	10,722	10,739	11,024	11,786	12,764	13,076	13,189	13,317	13,354	13,172	12,958	12,809	12,645	12,492	12,545	12,850	13,732	13,930	13,983	13,813	13,268	12,713
2/14/2013	12,444	12,300	12,254	12,390	12,735	13,603	14,786	14,844	14,297	13,744	13,204	12,568	12,152	11,953	11,732	11,604	11,620	11,826	12,795	13,015	13,059	12,872	12,461	12,004
2/15/2013	11,643	11,517	11,511	11,581	11,947	12,801	14,032	14,221	13,775	13,283	12,851	12,432	12,165	11,934	11,751	11,623	11,701	11,957	12,710	12,847	12,814	12,683	12,309	11,944
2/16/2013	11,663	11,560	11,539	11,684	11,902	12,394	12,938	13,414	13,723	13,619	13,331	12,952	12,529	12,211	11,913	11,774	11,894	12,350	13,314	13,627	13,701	13,572	13,268	12,851
2/17/2013	12,688	12,612	12,561	12,620	12,744	13,100	13,504	13,746	13,806	13,507	12,758	11,902	11,488	11,233	10,994	10,797	10,813	11,153	12,155	12,499	12,439	12,173	11,670	11,177
2/18/2013	10,831	10,674	10,635	10,646	10,891	11,628	12,574	12,652	12,597	12,617	12,530	12,300	12,096	12,031	11,912	11,898	12,028	12,423	12,961	12,981	12,743	12,268	11,682	10,951
2/19/2013	10,557	10,385	10,290	10,380	10,699	11,574	12,653	12,890	12,751	12,499	12,343	12,087	11,917	11,711	11,592	11,502	11,582	11,842	12,879	13,150	13,163	12,895	12,331	11,820
2/20/2013	11,457	11,431	11,395	11,500	11,892	12,693	14,025	14,217	14,151	14,002	13,867	13,542	13,302	13,112	13,011	13,070	13,214	13,475	14,327	14,421	14,192	13,658	12,848	12,266
2/21/2013	11,863	11,682	11,540	11,538	11,818	12,311	13,215	13,315	13,487	13,452	13,469	13,357	13,130	13,105	12,980	12,897	13,013	13,190	13,690	13,527	13,220	12,740	12,188	11,611
2/22/2013	11,106	10,922	10,876	10,906	11,084	11,694	12,543	12,749	12,734	12,709	12,645	12,480	12,188	12,099	11,986	11,903	11,911	12,210	12,694	12,645	12,510	12,318	11,936	11,492
2/23/2013	11,082	10,863	10,861	10,927	11,035	11,475	12,060	12,377	12,591	12,744	12,585	12,209	11,748	11,469	11,200	11,144	11,216	11,415	12,133	12,251	12,248	12,048	11,778	11,404
2/24/2013	11,150	11,021	11,021	11,127	11,250	11,537	11,979	12,354	12,434	12,148	11,731	11,351	11,157	10,982	10,772	10,756	10,855	11,183	11,927</					

3/6/2013	11,043	11,119	11,205	11,403	11,910	12,965	14,269	14,335	13,871	13,440	12,995	12,629	12,231	12,026	11,748	11,486	11,573	11,804	12,748	13,159	13,271	12,993	12,402	11,872
3/7/2013	11,551	11,546	11,544	11,671	11,986	13,006	14,260	14,271	13,596	12,987	12,509	12,087	11,790	11,644	11,532	11,371	11,313	11,492	12,284	12,805	12,743	12,473	11,944	11,376
3/8/2013	11,094	11,055	11,067	11,166	11,598	12,505	13,627	13,613	13,084	12,528	12,055	11,800	11,527	11,468	11,400	11,273	11,231	11,309	11,876	11,953	11,747	11,483	10,975	10,442
3/9/2013	10,064	9,887	9,731	9,750	9,851	10,180	10,418	10,810	11,119	11,197	11,139	11,013	10,853	10,732	10,601	10,535	10,600	10,909	11,436	11,530	11,300	11,056	10,587	10,149
3/10/2013	9,698	9,412	9,362	9,312	9,342	9,355	9,525	9,743	10,057	10,450	10,701	10,793	10,921	10,951	10,911	10,887	10,932	11,087	11,274	11,837	12,012	11,825	11,346	10,758
3/11/2013	10,229	10,076	10,007	10,059	10,271	11,137	12,170	12,863	13,107	13,152	13,124	12,876	12,610	12,263	11,939	11,711	11,589	11,721	12,004	12,646	12,992	12,836	12,335	11,753
3/12/2013	11,483	11,371	11,370	11,539	11,938	12,885	14,112	14,518	14,334	13,899	13,383	12,657	12,412	12,163	11,928	11,722	11,651	11,656	11,794	12,485	12,818	12,760	12,069	11,401
3/13/2013	10,961	10,870	10,845	10,988	11,339	12,181	13,371	13,763	13,486	13,227	12,838	12,401	12,106	11,882	11,756	11,605	11,693	11,592	11,826	12,429	12,777	12,587	11,918	11,369
3/14/2013	11,022	10,936	10,996	11,122	11,524	12,400	13,717	14,065	13,720	13,218	12,700	12,271	11,954	11,741	11,571	11,462	11,363	11,401	11,542	12,006	12,339	12,074	11,510	10,856
3/15/2013	10,445	10,238	10,196	10,266	10,528	11,237	12,332	12,711	12,564	12,244	11,945	11,778	11,644	11,670	11,619	11,615	11,613	11,411	11,421	11,598	11,728	11,412	10,986	10,349
3/16/2013	9,902	9,596	9,458	9,408	9,512	9,653	10,062	10,309	10,701	10,910	11,022	11,034	11,010	11,043	11,099	11,181	11,259	11,241	11,155	11,433	11,586	11,376	10,936	10,278
3/17/2013	9,784	9,441	9,225	9,202	9,191	9,352	9,632	9,877	10,385	10,717	10,863	10,988	11,207	11,342	11,468	11,562	11,606	11,674	11,728	12,213	12,478	12,150	11,550	10,827
3/18/2013	10,219	9,965	9,860	9,797	9,841	10,485	11,376	11,823	11,992	12,414	12,667	12,814	12,961	13,180	13,303	13,440	13,478	13,384	13,270	13,504	13,621	13,114	12,173	11,283
3/19/2013	10,692	10,425	10,330	10,343	10,414	10,903	11,710	11,945	11,970	12,064	12,029	11,952	11,924	12,069	12,237	12,294	12,400	12,200	12,207	12,659	12,828	12,389	11,666	10,976
3/20/2013	10,579	10,233	10,134	10,217	10,466	10,884	11,768	12,147	12,111	12,213	12,283	12,067	12,015	11,876	11,860	11,870	11,865	11,947	11,935	12,247	12,585	12,220	11,718	11,020
3/21/2013	10,500	10,404	10,321	10,394	10,575	11,250	12,457	12,883	12,742	12,598	12,365	12,209	11,993	12,040	12,007	12,015	12,099	11,960	12,113	12,666	12,912	12,528	11,973	11,388
3/22/2013	10,792	10,628	10,485	10,494	10,636	11,152	11,948	12,334	12,374	12,662	12,682	12,714	12,657	12,685	12,714	12,956	12,922	12,921	12,870	13,122	13,187	12,848	12,223	11,639
3/23/2013	11,003	10,674	10,473	10,379	10,353	10,530	10,651	11,083	11,479	11,872	11,941	12,086	11,958	11,863	11,716	11,833	11,973	11,985	12,099	12,464	12,544	12,293	11,761	11,249
3/24/2013	10,797	10,547	10,384	10,327	10,246	10,223	10,634	10,938	11,345	11,740	11,844	11,813	11,968	11,931	11,899	11,692	11,735	11,875	12,009	12,590	13,195	12,982	12,489	11,828
3/25/2013	11,509	11,381	11,394	11,578	11,887	12,861	14,235	14,824	14,673	14,473	14,443	13,877	13,465	13,126	12,810	12,618	12,634	12,654	12,847	13,545	14,004	13,733	13,177	12,504
3/26/2013	12,214	12,191	12,303	12,568	12,983	13,815	15,112	15,308	14,982	14,469	14,187	13,593	13,271	12,875	12,581	12,495	12,606	12,472	12,601	13,249	13,934	13,767	13,282	12,742
3/27/2013	12,430	12,527	12,613	12,842	13,297	14,062	15,245	15,369	14,966	14,442	13,824	13,197	12,764	12,240	11,979	11,767	11,752	11,667	11,838	12,268	12,844	12,708	12,224	11,658
3/28/2013	11,262	11,045	11,018	11,118	11,332	12,128	13,378	13,605	13,348	12,869	12,521	12,183	11,961	11,841	11,741	11,633	11,695	11,617	11,458	11,674	11,999	11,704	11,164	10,561
3/29/2013	10,310	10,190	10,099	10,115	10,236	10,718	11,350	11,632	11,686	11,745	11,720	11,610	11,521	11,437	11,382	11,247	11,342	11,326	11,334	11,493	11,760	11,469	11,035	10,513
3/30/2013	10,013	9,822	9,708	9,649	9,707	9,736	9,989	10,197	10,534	10,996	11,218	11,308	11,345	11,350	11,362	11,364	11,365	11,349	11,322	11,553	11,842	11,658	11,203	10,610
3/31/2013	10,089	9,719	9,515	9,475	9,451	9,586	9,796	10,076	10,538	10,911	11,022	11,120	11,356	11,328	11,459	11,431	11,067	10,910	10,869	11,053	11,379	11,181	10,673	10,050
4/1/2013	9,613	9,340	9,276	9,333	9,523	10,137	11,055	11,417	11,542	11,619	11,702	11,853	11,837	12,048	12,199	12,319	12,549	12,557	12,534	12,660	12,857	12,446	11,582	10,685
4/2/2013	10,306	10,047	9,967	9,908	10,026	10,397	11,362	11,665	11,710	11,795	11,930	12,027	12,141	12,248	12,309	12,375	12,441	12,493	12,638	13,092	13,300	12,756	12,061	11,265
4/3/2013	10,583	10,293	10,097	9,986	10,159	10,746	11,792	12,263	12,157	12,327	12,350	12,311	12,344	12,379	12,219	12,190	12,298	12,390	12,684	13,058	13,108	12,627	11,873	11,161
4/4/2013	10,810	10,591	10,431	10,452	10,560	11,224	12,321	12,668	12,615	12,733	12,818	12,758	12,594	12,682	12,529	12,372	12,439	12,649	12,797	13,456	13,490	13,020	12,252	11,623
4/5/2013	11,144	10,896	10,768	10,887	11,185	11,987	13,216	13,491	13,103	12,788	12,491	12,166	11,968	11,745	11,571	11,424	11,382	11,313	11,341	11,501	11,889	11,644	11,214	10,729
4/6/2013	10,304	10,142	10,064	10,018	10,159	10,482	10,927	11,202	11,521	11,562	11,450	11,372	11,276	11,304	11,237	11,205	11,197	11,198	11,158	11,263	11,603	11,388	10,966	10,416
4/7/2013	9,886	9,648	9,481	9,419	9,438	9,558	9,737	9,932	10,407	10,703	10,807	10,936	11,234	11,391	11,483	11,568	11,536	11,624	11,628	11,855	12,377	11,982	11,425	10,572
4/8/2013	9,990	9,740	9,621	9,578	9,707	10,208	11,127	11,327	11,589	11,822	12,058	12,318	12,567	12,822	13,076	13,166	13,296	13,243	13,051	13,263	13,538	13,215	12,396	11,475
4/9/2013	10,834	10,539	10,286	10,233	10,352	10,820	11,771	12,017	12,235	12,530	12,877	13,168	13,547	13,887	14,202	14,377	14,489	14,458	14,193	14,377	14,662	14,411	13,477	12,465
4/10/2013	11,675	11,263	11,003	10,820	10,972	11,413	12,360	12,545	12,717	13,149	13,476	13,815	13,941	14,200	14,249	14,315	14,261	14,090	13,939	14,059	14,113	13,810	12,897	11,860
4/11/2013	11,172	10,859	10,629	10,588	10,706	11,216	12,459	12,843	12,949	13,169	13,186	13,010	12,702	12,445	12,175	12,096	12,013	12,038	11,970	12,248	12,796	12,519	11,933	11,170
4/12/2013	10,599	10,345	10,315	10,342	10,534	11,382	12,562	12,718	12,440	12,183	12,066	11,921	11,853	11,854	11,882	11,978	12,028	11,933	11,769	11,694	12,012	11,775	11,322	10,708
4/13/2013	10,224	10,048	9,835	9,769	9,850	10,100	10,314	10,687	11,006	11,213	11,259	11,294	11,317	11,359	11,402	11,583	11,705	11,656	11,505	11,516	11,836	11,548	11,091	10,511
4/14/2013	10,058	9,808	9,609	9,562	9,570	9,663	9,866	10,158	10,523	10,719	10,744	10,870	11,175	11,439	11,472	11,633	11,895	12,037	12,000	12,097	12,544	12,106	11,348	10,527
4/15/2013	9,944	9,621	9,498	9,472	9,558	10,131	10,995	11,302	11,494	11,734	12,018	12,357	12,680	13,035	13,302	13,499	13,697	13,739	13,723	13,716	13,958	13,518	12,698	11,792
4/16/2013	11,098	10,712	10,512	10,427	10,383	10,922	11,893	12,096	12,315	12,740	13,211	13,627	13,954	14,376	14,639	14,789	14,969	14,967	14,741	14,926	14,741	14,373	13,111	12,338
4/17/2013	11,515	11,080	10,768	10,679	10,680	11,171	12,134	12,319	12,548	12,933	13,371	13,768	14,168	14,588	14,919	15,037	15,222	15,093	14,998	14,997	15,081	14,536	13,618	12,591
4/18/2013	11,820	11,426	11,104	10,954	10,961	11,357	12,287	12,449	12,612	12,975	13,261	13,509	13,617	13,731	13,795	13,715	13,553	13,435	13,406	13,363	13,538	13,021	12,175</	

4/28/2013	10,560	10,228	9,914	9,823	9,756	9,824	9,889	10,089	10,657	11,163	11,330	11,490	11,936	12,064	12,148	12,293	12,244	12,268	12,228	12,307	12,514	12,175	11,538	10,577
4/29/2013	10,028	9,652	9,524	9,464	9,586	10,175	10,969	11,332	11,514	11,876	12,359	12,821	13,263	13,760	14,108	14,318	14,530	14,320	14,094	13,897	14,020	13,529	12,441	11,428
4/30/2013	10,712	10,377	10,129	10,028	10,134	10,542	11,310	11,605	12,030	12,382	12,718	13,048	13,445	13,689	13,769	13,774	13,733	13,682	13,638	13,506	13,677	13,229	12,424	11,425
5/1/2013	10,697	10,329	10,130	9,966	10,010	10,504	11,351	11,625	11,858	12,191	12,569	12,839	13,070	13,275	13,395	13,440	13,621	13,554	13,396	13,370	13,579	13,086	12,227	11,241
5/2/2013	10,571	10,218	10,022	9,943	9,968	10,433	11,230	11,453	11,673	11,985	12,220	12,420	12,542	12,616	12,650	12,615	12,515	12,427	12,343	12,441	12,842	12,492	11,731	10,964
5/3/2013	10,371	10,133	10,037	10,014	10,125	10,655	11,607	11,869	12,014	12,158	12,262	12,096	12,156	12,230	12,148	11,985	11,894	11,812	11,784	11,919	12,176	12,072	11,871	11,208
5/4/2013	10,753	10,596	10,579	10,540	10,613	11,091	11,607	11,910	12,014	12,026	11,983	11,732	11,515	11,437	11,288	11,281	11,251	11,313	11,351	11,384	11,747	11,555	11,071	10,575
5/5/2013	10,186	10,065	9,991	9,973	10,040	10,345	10,614	10,805	11,125	11,344	11,237	11,181	11,189	11,172	11,107	11,095	11,152	11,225	11,183	11,243	11,788	11,680	11,056	10,398
5/6/2013	9,901	9,662	9,590	9,649	9,832	10,552	11,436	11,829	11,944	11,822	11,773	11,801	11,749	11,807	11,894	12,038	12,182	12,167	12,132	12,211	12,631	12,173	11,466	10,551
5/7/2013	10,021	9,758	9,617	9,605	9,698	10,383	10,990	11,360	11,444	11,677	12,004	12,295	12,582	12,909	13,247	13,511	13,716	13,688	13,533	13,301	13,553	13,068	12,211	11,177
5/8/2013	10,403	10,051	9,851	9,743	9,859	10,323	10,930	11,305	11,560	11,961	12,374	12,878	13,371	13,817	14,231	14,594	14,859	14,785	14,512	14,036	14,162	13,698	12,680	11,638
5/9/2013	10,935	10,508	10,334	10,206	10,228	10,612	11,304	11,653	11,986	12,378	12,823	13,223	13,826	14,004	14,240	14,372	14,397	14,153	13,994	13,873	13,964	13,732	12,833	11,935
5/10/2013	11,204	10,817	10,564	10,483	10,493	10,888	11,720	11,988	12,130	12,341	12,539	12,685	12,816	12,928	12,900	12,852	12,870	12,835	12,715	12,440	12,582	12,284	11,745	11,081
5/11/2013	10,463	10,131	9,829	9,677	9,650	9,760	9,907	10,148	10,693	11,239	11,743	12,024	12,191	12,339	12,509	12,714	12,871	12,881	12,702	12,356	12,593	12,352	11,701	10,913
5/12/2013	10,308	9,884	9,608	9,482	9,463	9,642	9,592	9,855	10,368	10,775	11,055	11,216	11,420	11,573	11,772	11,991	12,149	12,233	12,108	11,919	12,223	11,980	11,305	10,443
5/13/2013	9,856	9,505	9,393	9,362	9,585	9,992	10,702	11,034	11,268	11,487	11,871	12,111	12,407	12,737	12,929	13,369	13,662	13,636	13,425	13,111	13,281	12,900	11,808	10,818
5/14/2013	10,189	9,904	9,787	9,655	9,774	10,170	10,643	11,003	11,339	11,703	12,204	12,668	13,187	13,778	14,304	14,718	15,089	14,970	14,626	14,075	14,169	13,638	12,613	11,545
5/15/2013	10,809	10,366	10,190	10,044	10,077	10,383	10,898	11,318	11,717	12,160	12,709	13,149	13,554	14,064	14,262	14,431	14,339	14,001	13,745	13,542	13,844	13,553	12,730	11,639
5/16/2013	10,962	10,538	10,295	10,212	10,284	10,646	11,290	11,682	12,038	12,560	13,061	13,445	13,747	14,091	14,340	14,457	14,599	14,409	14,127	13,915	14,056	13,756	12,972	12,066
5/17/2013	11,430	11,083	10,761	10,660	10,604	11,040	11,664	12,080	12,535	12,995	13,599	14,097	14,579	15,042	15,553	15,830	15,911	15,718	15,271	14,755	14,741	14,331	13,674	12,834
5/18/2013	12,101	11,722	11,378	11,114	11,067	11,141	11,094	11,479	12,186	13,005	13,788	14,471	15,100	15,601	16,010	16,212	16,342	16,263	15,848	15,260	15,240	14,825	13,983	13,144
5/19/2013	12,298	11,793	11,451	11,273	11,047	11,038	10,982	11,285	12,144	12,861	13,540	14,090	14,774	15,350	15,785	16,098	16,313	16,204	16,003	15,547	15,610	15,272	14,506	13,341
5/20/2013	12,481	12,065	11,861	11,705	11,761	12,211	12,775	13,300	13,907	14,517	15,221	15,906	16,522	17,102	17,478	17,622	17,594	17,316	16,870	16,335	16,415	16,033	15,125	14,096
5/21/2013	13,011	12,484	12,115	11,951	11,937	12,255	12,848	13,266	13,794	14,347	15,117	15,693	16,197	16,734	16,968	16,939	16,935	16,625	16,140	15,756	15,602	14,936	13,900	12,815
5/22/2013	11,998	11,484	11,185	11,024	11,036	11,350	11,981	12,427	12,689	12,803	13,284	13,399	13,647	14,113	14,582	14,989	15,327	15,433	15,307	14,899	14,823	14,374	13,460	12,455
5/23/2013	11,685	11,138	10,890	10,824	10,878	11,142	11,646	12,100	12,794	13,472	14,323	15,054	15,754	16,431	16,979	17,224	17,329	16,948	16,606	16,107	15,839	15,223	14,158	12,963
5/24/2013	11,990	11,438	11,194	11,063	11,048	11,306	11,696	12,181	12,734	13,416	14,174	14,918	15,623	16,188	16,454	16,808	16,641	16,193	15,544	14,909	14,728	14,222	13,418	12,471
5/25/2013	11,742	11,211	10,816	10,597	10,549	10,556	10,498	10,783	11,618	12,279	12,824	13,444	14,021	14,506	14,900	15,133	15,262	15,035	14,616	14,170	14,184	13,785	13,054	12,170
5/26/2013	11,437	10,966	10,680	10,558	10,461	10,430	10,410	10,652	11,409	12,136	12,927	13,598	14,281	14,943	15,217	15,334	15,326	15,170	14,582	14,115	14,038	13,687	12,996	12,177
5/27/2013	11,300	10,871	10,651	10,480	10,480	10,554	10,518	10,864	11,795	12,590	13,718	14,461	15,032	15,568	15,967	16,161	16,254	16,078	15,848	15,291	15,201	14,708	13,644	12,675
5/28/2013	11,887	11,472	11,267	11,154	11,228	11,457	11,766	12,443	13,258	14,133	14,895	15,597	16,185	16,731	17,082	17,370	17,289	17,030	16,641	16,193	15,964	15,357	14,359	13,360
5/29/2013	12,479	12,013	11,702	11,636	11,685	11,894	12,165	12,891	13,634	14,345	15,123	15,755	16,249	16,641	16,829	16,708	16,527	16,212	15,976	15,606	15,534	15,174	14,435	13,544
5/30/2013	12,688	12,269	12,032	11,897	11,838	12,121	12,452	13,046	13,745	14,423	15,194	15,793	16,215	16,666	16,882	16,988	16,893	16,536	16,202	15,829	15,822	15,301	14,561	13,603
5/31/2013	12,710	12,226	11,951	11,825	11,941	12,185	12,497	13,114	13,845	14,626	15,435	16,113	16,654	17,134	17,422	17,501	17,445	17,219	16,892	16,383	16,283	15,885	15,119	14,222
6/1/2013	13,432	12,795	12,372	12,135	12,009	12,010	11,941	12,433	13,206	14,110	14,870	15,492	15,880	16,164	16,350	16,444	16,527	16,411	16,104	15,639	15,408	14,980	14,292	13,347
6/2/2013	12,547	11,963	11,603	11,369	11,185	11,154	11,033	11,347	11,755	12,096	12,556	12,943	13,379	13,735	14,226	14,655	14,923	14,936	14,711	14,294	14,286	14,020	13,227	12,276
6/3/2013	11,493	11,075	10,738	10,642	10,682	11,002	11,352	12,088	12,874	13,686	14,511	15,245	15,880	16,458	16,941	17,261	17,277	17,165	16,872	16,233	15,950	15,364	14,412	13,291
6/4/2013	12,371	11,806	11,559	11,411	11,448	11,558	11,895	12,491	13,319	14,198	15,050	15,908	16,684	17,285	17,674	17,897	18,059	17,923	17,648	17,024	16,732	16,139	15,152	13,997
6/5/2013	13,121	12,584	12,240	12,025	11,971	12,143	12,426	13,158	13,912	14,740	15,831	16,631	17,290	17,806	18,160	18,441	18,434	18,030	17,651	17,209	16,923	16,270	15,368	14,099
6/6/2013	13,144	12,566	12,124	11,846	11,822	12,105	12,542	13,213	14,025	14,781	15,658	16,418	16,942	17,270	17,208	17,103	16,737	16,085	15,448	15,006	14,932	14,514	13,682	12,669
6/7/2013	11,906	11,628	11,317	11,213	11,172	11,351	11,776	12,233	12,781	13,372	14,072	14,744	15,249	15,858	16,290	16,526	16,620	16,417	15,919	15,261	15,001	14,575	13,770	12,794
6/8/2013	12,133	11,612	11,340	11,204	10,980	10,952	10,996	11,385	12,307	13,230	14,127	14,909	15,546	16,080	16,363	16,555	16,606	16,438	16,038	15,458	15,201	14,753	13,931	13,032
6/9/2013	12,234	11,726	11,357	11,073	10,963	10,926	10,951	11,305	12,237	12,943	13,708	14,535	15,198	15,498	15,578	15,511	15,621	15,494	15,222	14,972	14,777	14,377	13,614	12,682
6/10/2013	11,982	11,474	11,192	11,091	11,095	11,421	11,888	12,562	13,326	14,320	15,582	16,573	17,471	18,204	18,470	18,717	18,785	18,623	18,334	17,621	17,30			

6/20/2013	13,223	12,647	12,238	11,978	11,962	12,223	12,529	13,309	14,277	15,308	16,356	17,067	17,645	18,217	18,720	19,090	19,227	18,781	18,242	17,609	17,369	16,646	15,736	14,604	
6/21/2013	13,677	13,053	12,595	12,370	12,248	12,523	12,813	13,603	14,693	15,856	17,018	17,938	18,635	19,249	19,653	19,796	19,695	19,317	18,669	17,941	17,463	16,883	16,270	14,836	
6/22/2013	13,922	13,294	12,808	12,501	12,298	12,261	12,296	13,158	13,892	15,068	16,160	16,983	17,496	17,852	18,083	18,046	17,948	17,784	17,413	16,873	16,553	16,131	15,233	14,319	
6/23/2013	13,423	12,827	12,325	12,069	11,832	11,826	11,796	12,365	13,536	14,754	15,713	16,503	17,166	17,685	17,864	17,899	18,056	17,949	17,530	16,973	16,697	16,351	15,410	14,400	
6/24/2013	13,429	12,873	12,581	12,384	12,396	12,667	12,912	13,679	14,707	15,885	17,095	18,052	18,700	19,243	19,557	19,645	19,566	19,268	18,734	18,083	17,780	17,327	16,251	15,078	
6/25/2013	14,084	13,582	13,135	12,910	12,946	13,120	13,292	14,049	15,048	16,129	17,200	18,039	18,828	19,516	19,821	19,907	19,901	19,514	19,137	18,576	18,189	17,615	16,516	15,393	
6/26/2013	14,426	13,825	13,443	13,198	13,093	13,258	13,546	14,376	15,315	16,370	17,346	18,377	19,056	19,748	20,208	20,356	20,400	20,207	19,852	19,206	18,783	18,221	17,071	15,888	
6/27/2013	14,779	14,113	13,642	13,410	13,302	13,417	13,739	14,492	15,539	16,629	17,723	18,729	19,626	20,947	20,833	21,073	21,159	20,869	20,387	19,816	19,302	18,658	17,403	16,113	
6/28/2013	15,172	14,572	14,156	13,907	13,799	13,976	14,142	14,618	15,463	16,368	17,367	18,398	19,240	19,931	20,310	20,556	20,564	20,315	19,790	19,062	18,521	17,723	16,669	15,556	
6/29/2013	14,759	14,056	13,516	13,179	13,067	13,008	12,844	13,154	13,977	14,729	15,481	16,238	17,055	17,755	18,211	18,600	18,638	18,537	18,276	17,882	17,123	16,640	15,737	14,583	
6/30/2013	13,599	12,996	12,474	12,043	11,786	11,653	11,428	11,861	12,862	13,882	14,800	15,669	16,327	16,837	17,173	17,357	17,486	17,358	17,004	16,400	16,022	15,618	14,783	13,652	
7/1/2013	12,687	12,064	11,653	11,403	11,325	11,596	11,868	12,519	13,339	14,180	15,100	15,954	16,637	17,156	17,511	17,666	17,747	17,533	17,080	16,669	16,413	15,761	14,888	13,693	
7/2/2013	12,690	12,079	11,686	11,549	11,447	11,720	12,025	12,678	13,452	14,314	15,272	16,071	16,720	17,338	17,784	17,968	17,912	17,630	17,196	16,573	16,221	15,827	14,873	13,709	
7/3/2013	12,762	12,250	11,941	11,712	11,713	11,841	12,095	12,517	13,311	14,091	15,094	16,084	16,838	17,402	17,603	17,794	17,737	17,452	16,837	16,102	15,816	15,322	14,461	13,487	
7/4/2013	12,654	12,072	11,580	11,333	11,176	11,177	11,092	11,380	12,178	13,138	14,420	15,348	16,084	16,112	16,635	16,976	17,054	17,141	16,862	16,346	15,694	15,404	15,144	14,265	13,433
7/5/2013	12,568	12,100	11,680	11,471	11,428	11,621	11,741	12,200	13,082	14,053	14,954	15,622	16,198	16,552	16,790	16,863	16,784	16,517	16,162	15,680	15,322	15,009	14,299	13,345	
7/6/2013	12,638	12,235	11,820	11,646	11,557	11,520	11,475	11,648	12,423	13,448	14,612	15,405	16,125	16,657	17,090	17,302	17,406	17,226	16,743	16,343	15,936	15,591	14,851	14,003	
7/7/2013	13,095	12,551	12,222	11,974	11,790	11,745	11,860	12,187	12,827	13,776	14,723	15,435	16,268	16,855	16,993	17,045	17,073	16,986	16,576	16,064	15,894	15,585	14,673	13,843	
7/8/2013	12,849	12,410	12,158	12,023	12,094	12,380	12,774	13,245	14,248	15,113	16,140	17,013	17,729	18,321	18,528	18,653	18,738	18,567	18,141	17,568	17,266	16,882	15,749	14,729	
7/9/2013	13,619	13,104	12,823	12,637	12,586	12,781	13,063	13,699	14,824	15,816	16,912	17,982	18,771	19,480	19,953	20,347	20,319	19,843	19,523	18,920	18,504	17,933	16,731	15,598	
7/10/2013	14,635	13,931	13,580	13,336	13,405	13,649	13,924	14,494	15,397	16,166	17,266	18,289	19,087	19,779	20,194	20,537	20,373	19,940	19,356	18,711	18,316	17,715	16,625	15,687	
7/11/2013	14,535	13,841	13,462	13,169	13,103	13,444	13,776	14,193	15,199	16,007	16,960	17,677	18,247	18,788	19,059	18,842	18,388	17,997	17,770	17,180	16,907	16,623	15,777	14,366	
7/12/2013	13,556	12,978	12,552	12,391	12,428	12,561	12,715	13,278	14,185	15,008	15,925	16,930	17,813	18,628	19,195	19,507	19,579	19,204	18,620	17,800	17,120	16,488	15,552	14,484	
7/13/2013	13,383	12,741	12,230	11,835	11,630	11,610	11,646	11,951	12,859	13,922	15,117	16,095	16,831	17,331	17,716	18,003	18,058	17,782	17,231	16,597	16,322	15,792	14,924	13,986	
7/14/2013	13,102	12,510	12,157	11,781	11,614	11,607	11,541	11,838	12,956	13,792	14,736	15,478	16,098	16,543	16,612	16,634	16,539	16,297	15,806	15,303	15,257	14,916	14,252	13,410	
7/15/2013	12,589	12,173	11,947	11,798	11,847	12,084	12,443	12,909	13,784	14,777	15,682	16,416	16,879	17,367	17,638	17,846	17,699	17,409	17,093	16,529	16,379	15,853	14,819	13,726	
7/16/2013	13,036	12,486	12,194	11,999	12,034	12,263	12,522	13,122	13,912	14,873	15,830	16,542	16,893	17,407	17,664	17,854	17,695	17,384	16,957	16,447	16,339	15,865	14,963	14,169	
7/17/2013	13,468	12,941	12,760	12,611	12,648	12,853	13,053	13,565	14,462	15,379	16,490	17,119	17,732	18,339	18,709	18,921	19,056	18,714	18,376	17,738	17,316	16,732	15,565	14,515	
7/18/2013	13,702	13,238	12,976	12,681	12,597	12,817	13,037	13,486	14,296	15,257	16,353	16,953	17,622	18,270	18,620	18,767	18,351	17,758	17,047	16,409	16,154	15,666	14,721	13,844	
7/19/2013	12,878	12,354	12,104	12,021	11,958	12,114	12,361	12,751	13,583	14,513	15,627	16,664	17,353	18,055	18,273	18,198	17,902	17,423	16,925	16,253	15,983	15,498	14,652	13,786	
7/20/2013	12,919	12,390	11,975	11,717	11,571	11,660	11,639	12,064	12,983	14,140	15,332	16,421	17,079	17,333	17,322	17,338	17,179	16,966	16,620	16,050	15,858	15,424	14,634	13,760	
7/21/2013	12,985	12,394	11,999	11,749	11,608	11,633	11,663	12,096	12,894	13,740	14,456	15,171	15,553	15,759	15,957	16,148	16,263	16,344	16,063	15,686	15,669	15,308	14,539	13,653	
7/22/2013	12,892	12,403	12,120	12,037	12,082	12,452	12,882	13,575	14,384	15,172	16,043	16,918	17,707	18,321	18,787	19,126	19,050	18,712	18,244	17,598	17,329	16,851	15,764	14,910	
7/23/2013	13,929	13,473	13,169	13,047	12,969	13,159	13,465	13,977	14,837	15,764	16,697	17,522	18,074	18,636	19,096	19,401	19,428	19,132	18,546	17,837	17,534	16,952	15,941	14,809	
7/24/2013	14,003	13,397	13,106	12,898	12,870	13,142	13,474	13,724	14,296	14,947	15,837	16,612	17,258	17,898	18,384	18,666	18,798	18,642	18,079	17,532	17,313	16,707	15,713	14,675	
7/25/2013	13,779	13,184	12,822	12,597	12,629	12,816	13,175	13,599	14,218	15,011	16,056	16,915	17,636	18,310	18,813	19,137	19,188	18,882	18,477	17,748	17,456	16,800	15,715	14,610	
7/26/2013	13,663	13,011	12,606	12,387	12,255	12,478	12,707	13,282	14,038	14,843	15,761	16,548	17,067	17,567	17,895	17,988	17,884	17,460	16,937	16,415	16,364	15,967	15,082	14,187	
7/27/2013	13,404	12,869	12,505	12,225	12,127	12,158	12,229	12,312	12,830	13,505	14,118	14,596	14,967	15,246	15,476	15,746	15,915	15,834	15,681	15,230	15,203	14,840	14,291	13,458	
7/28/2013	12,656	12,128	11,768	11,479	11,377	11,381	11,503	11,666	12,401	13,154	14,054	14,931	15,779	16,529	17,055	17,397	17,530	17,449	17,117	16,660	16,478	16,078	15,071	14,077	
7/29/2013	13,141	12,571	12,224	12,022	12,042	12,345	12,677	13,190	14,120	15,206	16,382	17,371	18,221	18,962	19,479	19,846	19,869	19,630	19,092	18,445	18,137	17,392	16,335	15,119	
7/30/2013	14,236	13,693	13,409	13,118	13,095	13,327	13,713	14,007	14,675	15,517	16,474	17,368	18,077	18,764	19,213	19,540	19,328	18,968	18,569	18,008	17,752	17,099	16,106	15,048	
7/31/2013	14,165	13,622	13,169	12,835	12,806	13,103	13,550	13,903	14,630	15,573	16,570	17,452	18,356	19,196	19,694	20,168	20,209	19,897	19,375	18,656	18,350	17,602	16,465	15,328	
8/1/2013	14,456	13,783	13,335	13,033	12,950	13,174	13,536	14,008	14,968	16,011	17,098	18,052	18,882	19,736	20,312	20,597	20,690	20,369	19,951	19,269	18,929	18,212	17,025	15,807	
8/2/2013	14,791	14,047	13,461	13,090	12,991	13,214	13,473	13,902	14,739	15,816	17,006	18,112	18,982	19,765	20,16										

8/12/2013	13,761	13,275	12,937	12,817	12,848	13,248	13,774	14,177	15,192	16,334	17,456	18,409	19,304	19,760	19,746	19,531	19,096	18,538	18,153	17,654	17,591	16,888	15,880	14,675
8/13/2013	14,005	13,429	13,091	12,935	12,948	13,331	13,966	14,313	15,024	15,874	16,797	17,580	17,987	17,962	17,787	17,851	17,945	17,872	17,786	17,459	17,101	16,448	15,404	14,367
8/14/2013	13,540	13,074	12,711	12,531	12,571	13,017	13,591	13,749	14,097	14,588	15,146	15,662	15,889	16,184	16,525	16,722	16,679	16,326	16,003	15,471	15,490	14,976	13,970	12,953
8/15/2013	12,246	11,824	11,491	11,330	11,343	11,746	12,365	12,583	13,081	13,687	14,448	15,109	15,710	16,305	16,777	17,180	17,389	17,238	16,815	16,335	16,230	15,534	14,492	13,435
8/16/2013	12,660	12,145	11,787	11,566	11,521	11,930	12,466	12,699	13,256	14,146	15,044	15,802	16,396	16,944	17,411	17,645	17,451	17,023	16,395	15,930	15,848	15,263	14,448	13,586
8/17/2013	12,808	12,252	11,773	11,536	11,399	11,430	11,556	11,707	12,362	13,142	14,057	14,657	15,210	15,713	16,129	16,352	16,362	16,242	15,891	15,498	15,292	14,688	13,875	13,066
8/18/2013	12,370	11,880	11,485	11,305	11,115	11,164	11,366	11,592	12,309	12,883	13,564	14,324	15,139	15,699	16,128	16,317	16,491	16,618	16,440	16,025	15,921	15,343	14,353	13,245
8/19/2013	12,470	11,944	11,636	11,431	11,495	11,935	12,654	12,844	13,371	14,244	15,041	15,986	16,827	17,509	18,011	18,418	18,595	18,279	17,816	17,155	17,062	16,095	14,930	13,770
8/20/2013	12,929	12,399	11,992	11,763	11,816	12,286	12,922	13,201	13,943	14,912	15,904	16,843	17,570	18,145	18,441	18,508	18,256	17,825	17,422	17,092	16,911	16,289	15,114	13,912
8/21/2013	13,068	12,691	12,360	12,137	12,131	12,536	13,302	13,467	14,160	15,067	16,214	17,217	17,991	18,596	18,906	18,938	18,930	18,574	18,111	17,653	17,512	16,734	15,568	14,464
8/22/2013	13,608	13,072	12,690	12,496	12,450	12,841	13,447	13,722	14,402	15,486	16,641	17,691	18,506	19,217	19,777	20,082	19,964	19,432	18,768	18,270	18,164	17,316	16,075	14,874
8/23/2013	13,944	13,412	12,979	12,686	12,567	13,010	13,648	13,927	14,682	15,775	16,862	17,846	18,575	19,281	19,634	19,715	19,573	19,135	18,448	17,742	17,516	16,703	15,794	14,686
8/24/2013	13,889	13,392	12,836	12,438	12,310	12,425	12,670	12,766	13,457	14,603	15,718	16,660	17,311	17,762	17,996	18,097	18,035	17,776	17,306	16,827	16,716	16,008	15,087	14,200
8/25/2013	13,446	12,901	12,508	12,261	12,085	12,067	12,260	12,324	13,141	13,966	14,844	15,576	16,209	16,857	17,164	17,357	17,383	17,330	17,063	16,723	16,712	15,979	14,980	13,966
8/26/2013	13,165	12,658	12,314	12,168	12,234	12,730	13,404	13,730	14,192	14,964	15,751	16,493	17,200	17,645	17,835	17,842	17,879	17,636	17,313	16,899	16,830	15,952	15,028	13,903
8/27/2013	12,913	12,369	12,143	11,914	11,963	12,313	12,946	13,152	13,801	14,631	15,620	16,664	17,462	18,222	18,753	19,155	19,166	18,841	18,340	17,774	17,474	16,413	15,215	13,945
8/28/2013	13,124	12,491	12,162	11,972	11,952	12,251	12,925	13,066	13,631	14,642	15,688	16,686	17,609	18,346	18,796	19,224	19,524	19,208	18,697	18,063	17,749	16,590	15,323	14,086
8/29/2013	13,181	12,642	12,311	12,109	12,102	12,397	13,330	13,569	14,124	15,052	16,083	17,145	18,108	18,955	19,505	19,926	20,057	19,819	19,233	18,666	18,333	17,228	15,959	14,783
8/30/2013	13,842	13,196	12,745	12,546	12,497	12,798	13,469	13,654	14,418	15,456	16,585	17,598	18,544	19,372	19,881	20,107	20,073	19,789	19,045	18,341	17,895	16,972	16,056	15,118
8/31/2013	14,121	13,506	12,965	12,729	12,619	12,627	12,786	12,850	13,640	14,753	16,024	17,180	18,125	18,938	19,314	19,579	19,610	19,320	18,724	18,136	17,812	16,867	16,040	15,178
9/1/2013	14,067	13,510	13,122	12,851	12,675	12,581	12,754	12,866	13,651	14,842	15,732	16,802	17,734	18,422	18,825	19,019	19,031	18,745	18,167	17,685	17,389	16,752	15,901	14,816
9/2/2013	13,904	13,326	12,902	12,625	12,500	12,511	12,631	12,747	13,517	14,724	15,973	17,017	17,714	18,229	18,552	18,759	18,808	18,695	18,158	17,775	17,612	16,868	15,795	14,596
9/3/2013	13,616	13,145	12,855	12,648	12,649	13,061	13,743	13,959	14,672	15,763	16,946	18,020	18,931	19,617	20,042	20,155	20,011	19,272	18,574	18,180	17,696	16,766	15,467	14,365
9/4/2013	13,488	13,077	12,700	12,491	12,474	12,825	13,486	13,612	14,261	15,139	16,335	17,415	18,327	19,112	19,410	19,507	19,555	19,205	18,590	18,060	17,571	16,591	15,406	14,267
9/5/2013	13,388	12,851	12,440	12,293	12,305	12,603	13,349	13,435	14,045	14,949	15,993	17,016	17,879	18,617	18,972	19,112	19,093	18,640	18,081	17,701	17,390	16,531	15,405	14,273
9/6/2013	13,409	12,847	12,529	12,300	12,312	12,580	13,320	13,539	14,233	15,073	16,094	17,131	17,847	18,760	19,209	19,419	19,373	18,872	18,106	17,504	17,107	16,447	15,598	14,564
9/7/2013	13,606	13,068	12,645	12,419	12,225	12,220	12,458	12,471	13,140	14,375	15,715	16,869	17,772	18,306	18,406	18,264	17,989	17,556	17,015	16,647	16,343	15,604	14,744	13,830
9/8/2013	12,973	12,391	11,996	11,733	11,564	11,567	11,624	11,726	12,662	13,864	15,165	16,310	17,315	18,076	18,510	18,720	18,600	18,295	17,811	17,473	17,098	16,148	15,042	13,944
9/9/2013	13,067	12,487	12,234	12,129	12,149	12,437	13,112	13,285	13,931	15,056	16,284	17,360	18,338	19,048	19,582	19,895	19,928	19,492	18,840	18,516	18,032	16,822	15,507	14,372
9/10/2013	13,523	12,941	12,627	12,368	12,368	12,861	13,471	13,690	14,201	15,196	16,325	17,325	18,223	18,968	19,330	19,530	19,414	18,994	18,345	18,074	17,752	16,747	15,476	14,430
9/11/2013	13,522	13,009	12,588	12,404	12,385	12,776	13,495	13,691	14,272	15,213	16,426	17,376	18,333	18,987	19,424	19,607	19,582	19,074	18,446	18,137	17,678	16,615	15,432	14,293
9/12/2013	13,489	12,937	12,707	12,511	12,490	12,885	13,741	13,891	14,440	15,258	16,373	17,521	18,440	19,212	19,650	19,795	19,702	19,408	18,796	18,245	17,700	16,770	15,533	14,351
9/13/2013	13,486	12,938	12,669	12,418	12,431	12,778	13,485	13,569	14,018	14,910	15,973	16,973	17,765	18,475	18,826	18,977	18,886	18,323	17,494	16,936	16,410	15,732	14,705	13,917
9/14/2013	12,993	12,466	12,023	11,683	11,524	11,539	11,824	11,837	12,396	13,231	14,163	15,005	15,718	16,422	16,796	16,760	16,743	16,554	15,913	15,643	15,105	14,373	13,595	12,817
9/15/2013	12,056	11,599	11,234	11,017	10,882	10,903	10,944	11,021	11,803	12,821	13,826	14,823	15,804	16,624	17,192	17,486	17,706	17,514	16,874	16,708	16,315	15,385	14,354	13,358
9/16/2013	12,522	12,009	11,672	11,505	11,508	12,016	12,813	13,034	13,583	14,481	15,631	16,651	17,468	18,161	18,684	18,945	18,895	18,536	18,027	17,827	17,365	16,444	15,006	13,956
9/17/2013	13,156	12,606	12,167	11,968	11,952	12,365	13,080	13,174	13,692	14,666	15,697	16,782	17,761	18,515	19,065	19,312	19,265	18,795	18,203	17,905	17,381	16,370	15,135	14,041
9/18/2013	13,265	12,823	12,441	12,161	12,144	12,630	13,467	13,637	14,135	14,994	16,032	16,860	17,678	18,481	18,807	19,097	18,995	18,515	18,015	17,830	17,371	16,333	15,331	14,245
9/19/2013	13,486	12,978	12,557	12,323	12,304	12,737	13,553	13,628	14,135	14,939	15,988	16,940	17,959	18,672	18,676	18,392	18,121	17,731	17,362	17,327	16,967	16,110	14,942	14,011
9/20/2013	13,264	12,789	12,466	12,279	12,355	12,838	13,677	13,875	14,306	14,850	15,408	15,880	16,126	16,361	16,509	16,497	16,306	15,708	15,314	15,218	14,913	14,478	13,880	13,206
9/21/2013	12,623	12,276	11,962	11,775	11,651	11,639	11,830	11,891	12,231	12,673	13,030	13,260	13,414	13,594	13,767	13,901	13,927	13,768	13,525	13,608	13,433	12,951	12,347	11,729
9/22/2013	11,103	10,753	10,439	10,356	10,258	10,309	10,389	10,416	10,930	11,487	11,905	12,276	12,832	13,220	13,536	13,818	13,968	13,869	13,636	13,831	13,698	13,048	12,224	11,360
9/23/2013	10,721	10,408	10,254	10,204	10,242	10,755	11,633	11,738	12,121	12,706	13,489	14,309	15,067	15,827	16,350	16,716	16,735	16,443	16,110	16,144	15,775	15,040	14,016	13,086
9/24/2013	12,458	12,132	11,831	11,781	11,902	12,477	13,331	13,443	13,729	14,354	15,118	15,709	16,334	16,939	17,433	17,704								

10/4/2013	12,611	12,150	11,815	11,571	11,554	12,014	12,811	13,085	13,522	14,152	14,948	15,552	16,335	16,742	16,958	16,940	16,852	16,481	15,897	15,798	15,356	14,732	14,088	13,330
10/5/2013	12,615	12,215	11,849	11,593	11,481	11,624	11,865	12,033	12,626	13,425	14,292	15,049	15,568	16,058	16,318	16,165	16,032	15,633	15,075	15,024	14,524	13,900	13,078	12,289
10/6/2013	11,593	11,127	10,747	10,505	10,346	10,373	10,477	10,531	10,995	11,569	11,864	12,168	12,503	12,764	12,812	12,826	12,788	12,608	12,421	12,875	12,506	11,867	10,950	10,266
10/7/2013	9,761	9,528	9,340	9,312	9,405	9,895	10,876	10,951	11,149	11,454	11,749	11,868	12,112	12,407	12,653	12,875	13,052	12,848	12,653	12,985	12,636	11,998	11,214	10,425
10/8/2013	9,881	9,584	9,403	9,327	9,452	10,030	10,935	11,005	11,125	11,386	11,728	11,906	12,105	12,484	12,798	13,086	13,262	13,129	12,932	13,220	12,822	12,160	11,355	10,553
10/9/2013	10,000	9,734	9,529	9,395	9,549	10,066	10,940	10,993	11,387	11,590	11,955	12,257	12,673	13,180	13,631	13,969	14,267	13,955	13,751	13,806	13,381	12,734	11,990	11,135
10/10/2013	10,505	10,085	9,838	9,771	9,878	10,328	11,227	11,353	11,507	11,914	12,354	12,817	13,245	13,859	14,291	14,622	14,717	14,465	14,101	14,323	13,879	13,170	12,393	11,543
10/11/2013	10,826	10,391	10,119	9,998	10,058	10,592	11,515	11,669	12,108	12,700	13,273	13,828	14,449	14,959	15,169	15,310	15,250	14,881	14,456	14,419	13,974	13,382	12,687	11,945
10/12/2013	11,352	10,949	10,670	10,385	10,323	10,469	10,736	10,938	11,618	12,434	13,262	13,933	14,442	14,834	15,005	15,027	14,890	14,577	14,389	14,245	13,799	13,163	12,425	11,788
10/13/2013	11,178	10,729	10,444	10,297	10,194	10,252	10,448	10,582	11,184	11,824	12,489	13,057	13,599	14,113	14,287	14,316	14,375	14,245	14,001	14,175	13,798	13,312	12,517	11,807
10/14/2013	11,031	10,750	10,502	10,399	10,446	10,953	11,760	12,165	12,784	13,054	13,724	14,249	14,763	15,257	15,363	15,469	15,103	14,826	14,732	14,796	14,375	13,668	12,906	12,201
10/15/2013	11,201	10,790	10,588	10,421	10,464	10,900	11,790	12,072	12,414	12,916	13,595	14,393	14,695	14,931	15,037	15,068	15,084	14,811	14,791	14,737	14,341	13,582	12,947	12,144
10/16/2013	11,429	11,039	10,796	10,649	10,627	11,087	11,876	12,098	12,286	12,653	13,074	13,256	13,395	13,652	13,641	13,619	13,563	13,443	13,681	13,884	13,567	13,043	12,293	11,665
10/17/2013	11,082	10,683	10,489	10,483	10,508	10,902	11,764	11,938	11,937	12,188	12,363	12,625	12,753	12,821	12,971	13,019	12,976	12,768	12,753	13,053	12,746	12,217	11,560	10,986
10/18/2013	10,412	10,274	10,180	10,176	10,236	10,634	11,228	11,334	11,643	11,772	11,823	12,047	12,055	12,140	12,241	12,295	12,185	12,090	12,165	12,198	12,012	11,791	11,539	11,000
10/19/2013	10,426	10,184	10,011	10,024	10,029	10,069	10,336	10,589	10,821	11,127	11,354	11,390	11,383	11,366	11,377	11,412	11,382	11,361	11,506	11,764	11,599	11,277	10,992	10,622
10/20/2013	10,330	10,082	9,826	9,662	9,699	9,899	10,065	10,243	10,777	10,980	10,991	10,988	11,077	11,244	11,315	11,488	11,647	11,644	11,821	12,281	12,004	11,563	10,940	10,365
10/21/2013	10,120	9,911	9,842	9,819	9,908	10,498	11,392	11,493	11,592	11,766	11,922	11,973	12,122	12,160	12,162	12,180	12,213	12,249	12,586	12,972	12,645	12,140	11,579	11,176
10/22/2013	10,471	10,254	10,077	10,011	10,139	10,679	11,488	11,857	11,768	11,987	12,310	12,397	12,530	12,750	12,831	12,916	12,908	12,723	12,782	13,026	12,715	12,165	11,551	10,952
10/23/2013	10,385	10,293	10,279	10,237	10,279	10,659	11,582	11,777	11,752	12,132	11,982	11,962	12,155	12,387	12,505	12,586	12,680	12,480	12,737	13,074	12,750	12,008	11,368	10,892
10/24/2013	10,480	10,330	10,170	10,121	10,149	10,704	11,534	11,758	11,812	12,002	12,148	12,171	12,264	12,528	12,765	12,936	12,910	12,766	12,875	13,073	12,756	12,145	11,442	10,997
10/25/2013	10,454	10,356	10,246	10,243	10,425	10,714	11,572	11,775	11,802	11,899	11,885	11,882	11,857	11,887	11,854	11,803	11,776	11,770	11,855	12,066	11,874	11,621	11,167	10,825
10/26/2013	10,332	10,183	10,159	10,158	10,151	10,265	10,617	10,842	11,219	11,402	11,424	11,368	11,248	11,281	11,325	11,435	11,454	11,421	11,610	11,754	11,451	11,138	10,677	10,292
10/27/2013	10,028	9,890	9,521	9,310	9,368	9,431	9,782	9,963	10,455	10,780	11,014	11,074	11,207	11,172	11,190	11,189	11,390	11,438	11,731	12,044	11,812	11,378	10,696	10,115
10/28/2013	9,878	9,764	9,427	9,345	9,455	9,932	10,990	11,325	11,304	11,657	12,016	12,255	12,480	12,752	12,939	13,047	13,061	12,886	13,208	13,359	12,941	12,331	11,537	10,910
10/29/2013	10,424	9,957	9,778	9,708	9,823	10,324	11,288	11,531	11,562	12,007	12,400	12,668	12,994	13,243	13,439	13,546	13,474	13,282	13,473	13,505	13,160	12,590	11,949	11,081
10/30/2013	10,543	10,246	10,069	9,959	10,061	10,544	11,518	11,768	11,777	12,077	12,436	12,642	12,885	13,084	13,105	13,147	13,161	13,047	13,451	13,632	13,425	12,986	12,251	11,489
10/31/2013	10,879	10,612	10,424	10,381	10,528	11,002	12,036	12,501	12,586	12,820	12,885	12,930	13,131	13,151	13,095	13,035	12,895	12,853	12,707	12,542	12,078	11,473	10,823	
11/1/2013	10,371	9,992	9,848	9,747	9,817	10,254	11,077	11,349	11,644	11,823	11,857	12,005	12,130	12,194	12,326	12,469	12,423	12,070	12,019	12,000	11,714	11,420	10,977	10,391
11/2/2013	10,033	9,842	9,747	9,641	9,726	9,945	10,174	10,389	10,686	10,903	11,163	11,397	11,346	11,313	11,321	11,445	11,366	11,237	11,371	11,589	11,350	11,133	10,755	10,320
11/3/2013	10,031	9,877	9,868	9,724	9,704	9,797	10,101	10,234	10,731	11,218	11,134	10,867	10,881	10,912	10,899	10,825	10,905	11,024	11,477	11,816	11,753	11,468	11,120	10,360
11/4/2013	9,913	9,862	9,803	9,892	10,099	10,665	11,529	11,623	11,859	11,806	11,941	11,925	12,053	12,051	12,023	12,060	12,135	12,627	12,773	12,561	12,285	12,029	11,501	10,635
11/5/2013	10,230	10,036	9,880	9,872	10,033	10,529	11,194	11,286	11,524	11,703	11,954	12,188	12,156	12,228	12,273	12,262	12,363	12,748	12,999	12,784	12,413	11,884	11,166	10,521
11/6/2013	10,100	9,713	9,630	9,627	9,769	10,243	11,116	11,381	11,642	11,936	12,344	12,498	12,576	12,830	12,858	12,764	12,909	13,123	13,210	12,944	12,569	12,121	11,392	10,905
11/7/2013	10,531	10,440	10,303	10,340	10,559	11,114	11,828	12,028	12,022	11,970	12,156	12,090	12,011	11,920	11,772	11,842	11,859	12,405	12,780	12,751	12,581	12,181	11,533	11,042
11/8/2013	10,838	10,819	10,824	10,833	11,040	11,685	12,525	12,681	12,599	12,569	12,330	12,208	12,086	11,951	11,896	11,827	11,862	12,208	12,295	12,166	11,980	11,701	11,342	10,913
11/9/2013	10,660	10,372	10,234	10,266	10,506	10,656	11,011	11,375	11,721	11,773	11,746	11,716	11,676	11,577	11,624	11,612	11,589	11,977	12,142	12,040	11,825	11,521	10,940	10,456
11/10/2013	9,953	9,740	9,607	9,488	9,578	9,784	10,035	10,421	11,083	11,349	11,364	11,486	11,565	11,538	11,475	11,528	11,526	11,929	12,203	12,047	11,762	11,493	10,866	10,410
11/11/2013	10,039	9,885	9,861	9,967	10,177	11,009	11,624	11,867	11,941	12,074	12,030	12,252	12,238	12,311	12,334	12,327	12,331	12,684	12,946	12,670	12,340	11,802	11,254	10,633
11/12/2013	10,220	10,135	10,049	10,136	10,368	10,967	11,963	12,168	12,361	12,427	12,380	12,405	12,360	12,371	12,365	12,534	12,722	13,491	13,940	13,950	13,919	13,538	13,020	12,493
11/13/2013	12,160	12,175	12,248	12,332	12,728	13,740	14,983	14,989	14,782	14,471	14,048	13,604	13,258	13,141	13,039	12,886	13,115	14,128	14,718	14,831	14,727	14,388	13,789	13,403
11/14/2013	13,384	13,278	13,348	13,500	13,711	14,509	15,602	15,296	14,723	14,361	13,834	13,405	13,039	12,680	12,454	12,452	12,500	13,285	13,692	13,537	13,325	12,871	12,178	11,562
11/15/2013	11,170	11,047	10,961	10,983	11,128	11,726	12,666	12,667	12,779	12,735	12,651	12,511	12,373	12,329	12,266	12,269	12,292	12,713	12,766	12,353	12,152	11,843	11,462	10,856
11/16/2013	10,432	10,145	9,952	9,853	9,911	10,057	10,277	10,673	11,038	11,436	11,675	11,855	11,837	11,965	12,091	11,999	12,061	12,552	12,714	12,604				

11/26/2013	12,870	12,690	12,726	12,739	12,878	13,539	14,320	14,718	15,022	15,199	15,241	15,069	14,976	14,953	14,885	14,976	15,233	15,739	15,770	15,735	15,643	15,397	14,725	14,220
11/27/2013	13,800	13,535	13,608	13,736	14,007	14,797	15,471	15,848	15,916	15,878	15,593	15,065	14,645	14,370	14,081	13,929	14,182	15,118	15,477	15,840	15,919	15,651	15,359	14,815
11/28/2013	14,628	14,297	14,304	14,266	14,612	14,976	15,331	15,783	15,954	15,768	15,472	14,641	13,501	13,012	12,205	11,958	12,169	12,834	13,426	13,656	13,999	14,053	13,943	13,698
11/29/2013	13,600	13,579	13,522	13,711	14,035	14,488	14,948	15,076	14,974	14,545	13,888	13,311	12,745	12,382	11,988	11,931	12,090	13,031	13,539	13,723	13,752	13,877	13,624	13,156
11/30/2013	12,937	12,848	12,860	12,955	13,221	13,470	13,913	14,088	14,124	13,644	13,083	12,427	11,969	11,702	11,567	11,506	11,681	12,250	12,465	12,476	12,587	12,492	12,064	11,774

Entergy FERC Form 714 Outages

	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Winter	Spring	Summer	Fall
Entergy's FF714 Outages	3,074	2,135	2,396	4,066	4,489	1,978	568	1,040	0	0	1,093	2,236	2,535	3,511	536	1,110