

ERCOT Monthly Operational Overview (April 2014)

ERCOT Public May 15, 2014

Grid Operations & Planning

Summary – April 2014

Operations

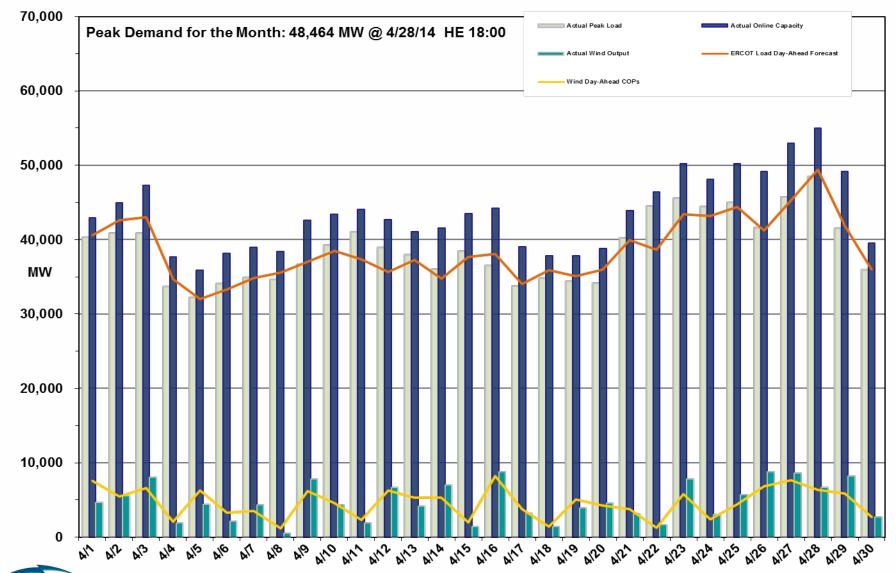
- The peak demand of 48,464 MW on April 28th was less than the mid-term forecast peak of 49,429 MW but greater than the April 2013 actual peak demand of 45,602 MW. The instantaneous load on April 28th was 48,689 MW.
- Day-ahead load forecast error for April was 2.38%
- ERCOT issued no emergency condition notifications in April

Planning Activities

- 234 active generation interconnection requests totaling over 60,400 MW, including 26,900 MW of wind generation as of April 30, 2014. Four more requests and 2,300 more MW from March 31, 2014.
- 11,059 MW wind capacity in commercial operations April 30, 2014.

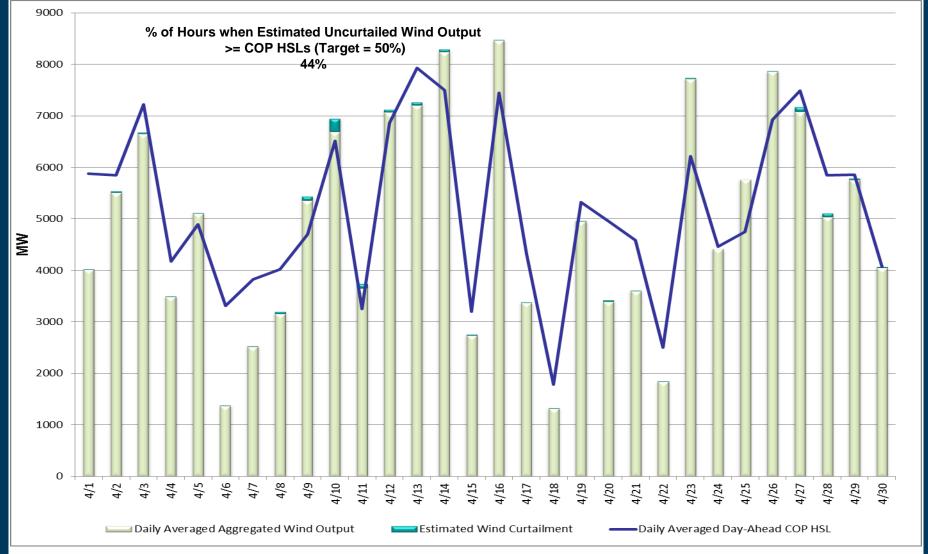


Daily Peak Demand: Hourly Average Actual vs. Forecast, Wind Day-Ahead COPs & On-line Capacity at Peak – April 2014



Actual Wind Output plus Curtailments vs. Wind Day-Ahead COPs for

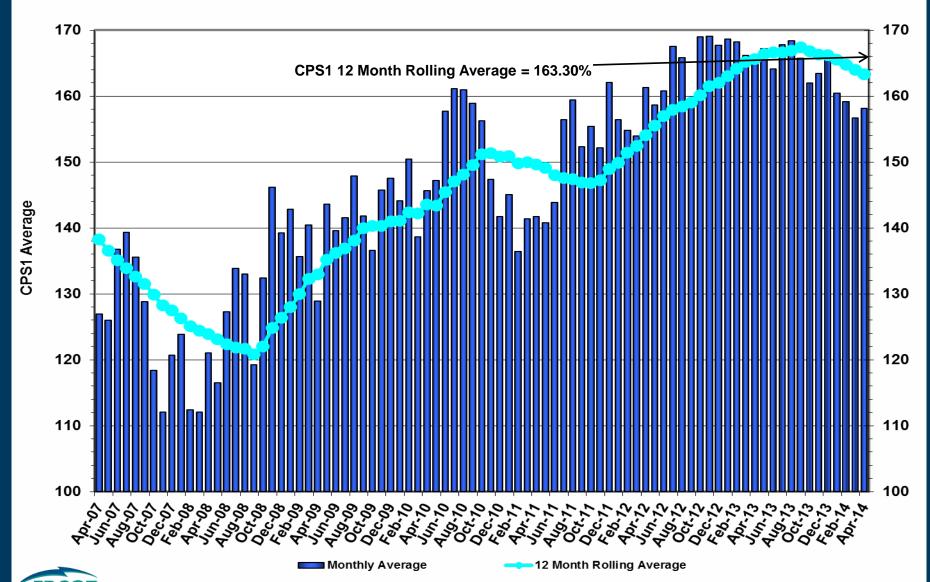
All Hours - April 2014





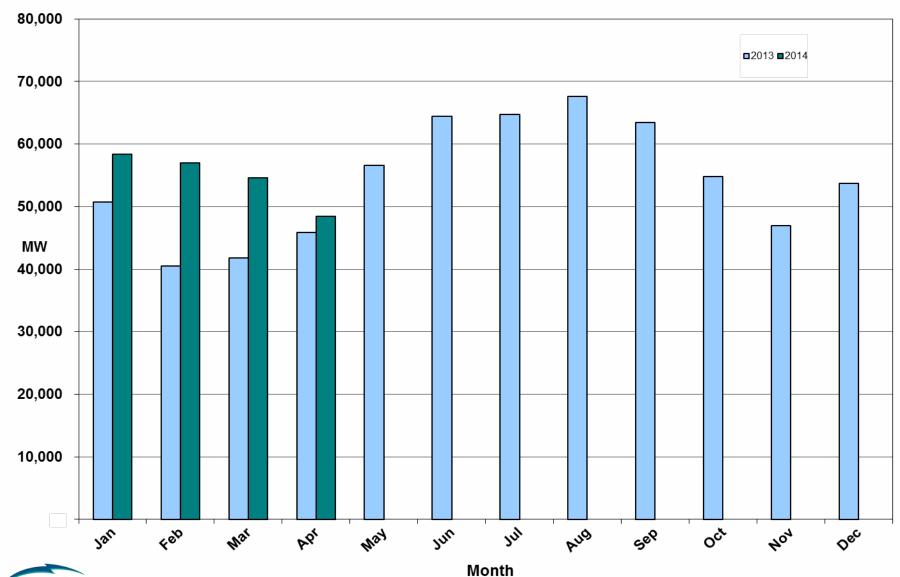
Note: QSEs must use the AWST 50% probability of exceedance forecast as the HSL in their COPs

ERCOT's CPS1 Monthly Performance – April 2014



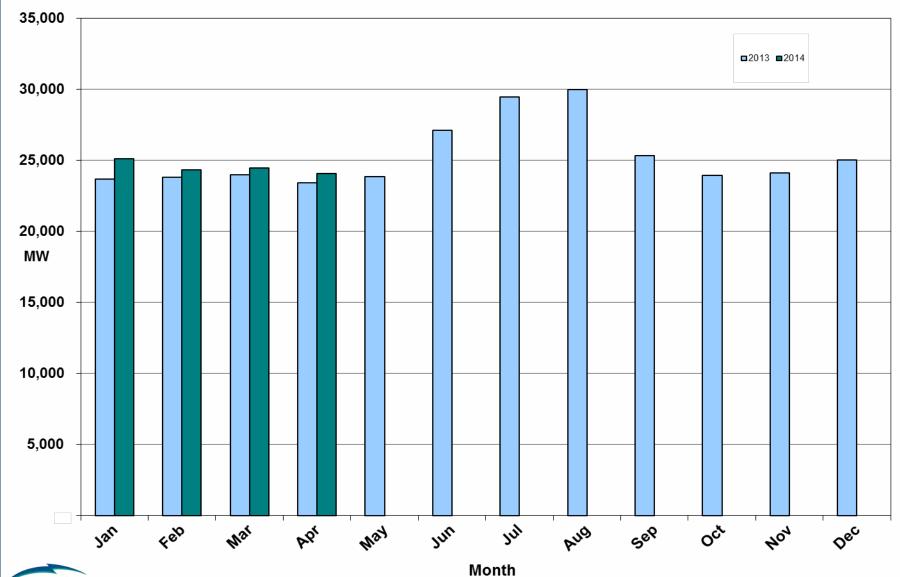


Monthly Peak Actual Demand – April 2014





Monthly Minimum Actual Demand – April 2014





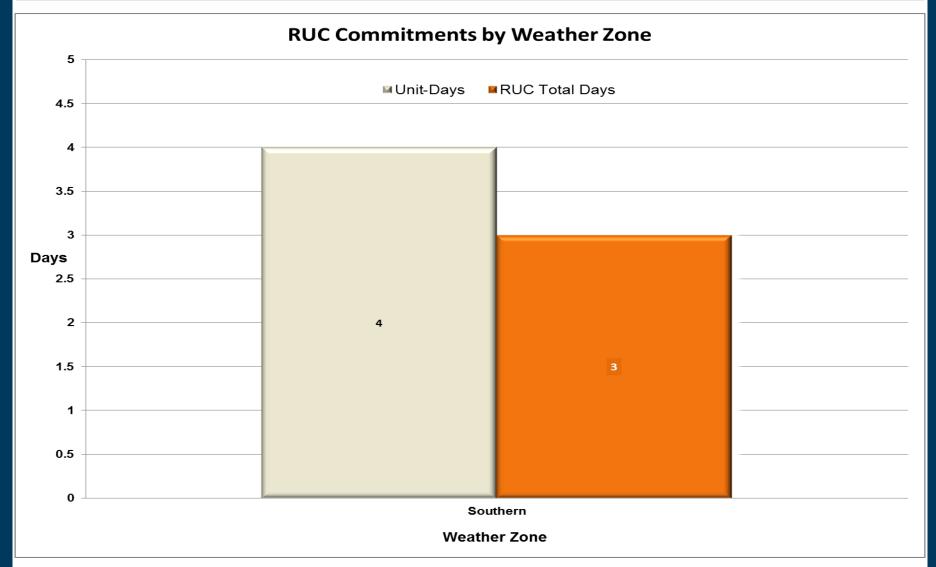
Day-Ahead Load Forecast Performance – April 2014

Mean Absolute Percent Error (MAPE) for ERCOT Mid-Term Load Forecast (MTLF) Run at 14:00 Day Ahead

	2011 MAPE	2012 MAPE	2013 MAPE	2014 MAPE	Apr 2014 MAPE	
Average Annual MAPE	2.83	3.02	2.86	3.16	2.38	
Lowest Monthly MAPE	1.63	2.51	2.07	2.38	Lowest Daily MAPE	0.96 April – 29
Highest Monthly MAPE	3.55	3.49	3.50	3.70	Highest Daily MAPE	6.18 April – 22



Reliability Unit Commitment (RUC) Capacity by Weather Zone - April 2014





Generic Transmission Limits (GTLs) – April 2014

GTLs	Apr 13 Days GTLs	Feb 14 Days GTLs	Mar 14 Days GTLs	Apr 14 Days GTLs	Last 12 Months Total Days (May13 - Apr14)
North – Houston	0	0	0	0	0
West - North	7	0	5	1	19
Valley Import	0	2	4	0	7
SOP110	0	0	0	9	10

GTL: A transmission flow limit more constraining than a Transmission Element's normal limit established to constrain flow between geographic areas of the ERCOT Transmission System that is used to enforce stability and voltage constraints that cannot be modeled directly in ERCOT's transmission security analysis applications.

Note: This table lists how many times a constraint has been activated to avoid exceeding a GTL limit, it does not imply an exceedance of the GTL occurred.



Advisories and Watches - April 2014

ERCOT did not issue any notifications in the month of April.

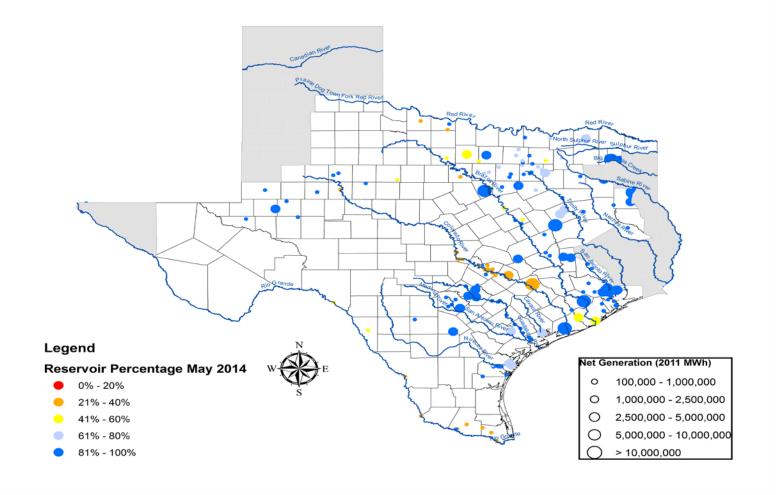


Significant Events – April 2014

• No significant events to report



Lake Levels Update – May 1, 2014





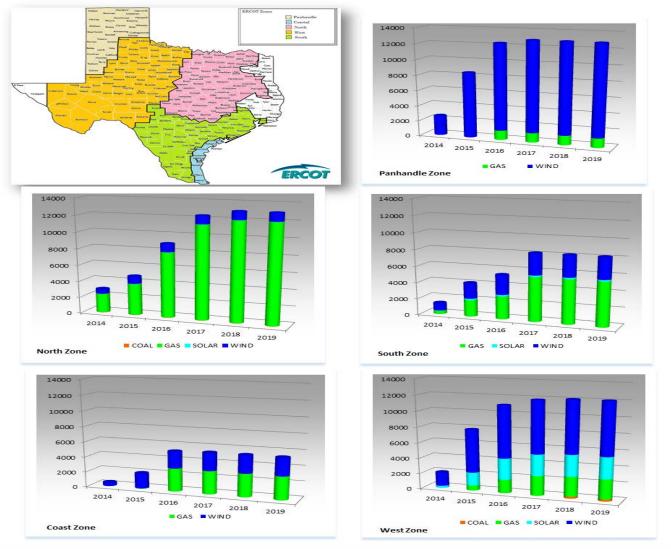
Planning Summary – April 2014

- ERCOT is currently tracking 234 active generation interconnection requests totaling over 60,400 MW. This includes over 26,900 MW of wind generation.
- ERCOT is currently reviewing proposed transmission improvements with a total cost of \$226 Million.
- Transmission Projects endorsed in 2014 total \$620 Million.
- All projects (in engineering, routing, licensing and construction) total approximately \$4.4 Billion.
- Transmission Projects energized in 2014 total about \$123.3 Million.



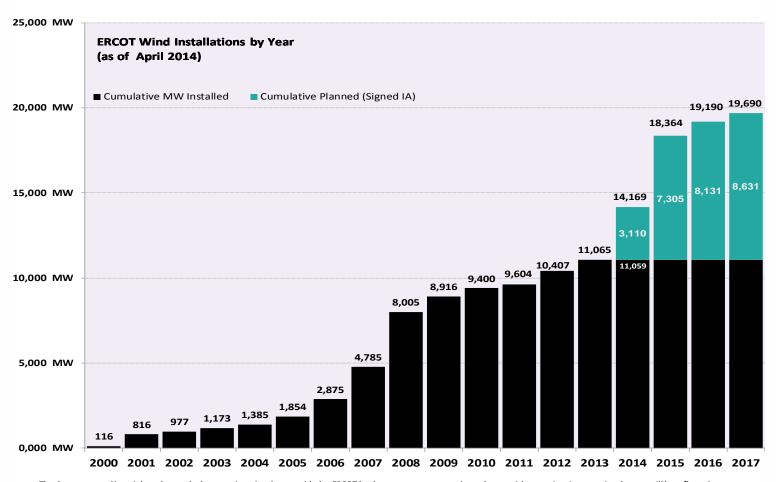
Cumulative Installed MW Capacity of Interconnection Requests

by Zone – April 2014





Wind Generation – April 2014

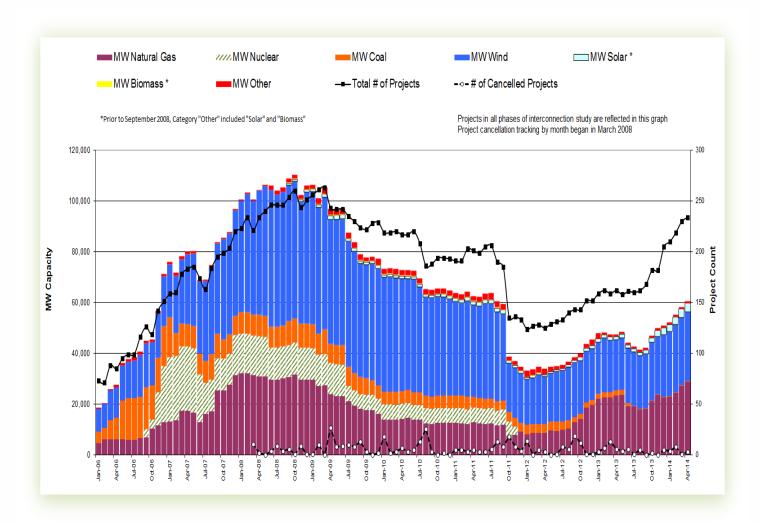


The data presented here is based upon the latest registration data provided to ERCOT by the resource owners and can change without notice. Any capacity changes will be reflected in current and subsequent years' totals. Scheduling delays will also be reflected in the planned projects as that information is received.

This chart reflects planned units in the calendar year of submission rather than installations by peak of year shown.

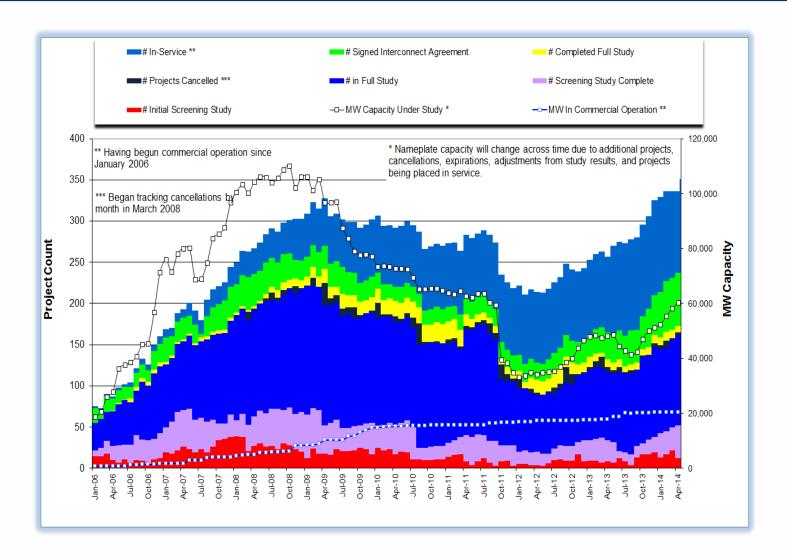


Generation Interconnection Activity by Fuel – April 2014





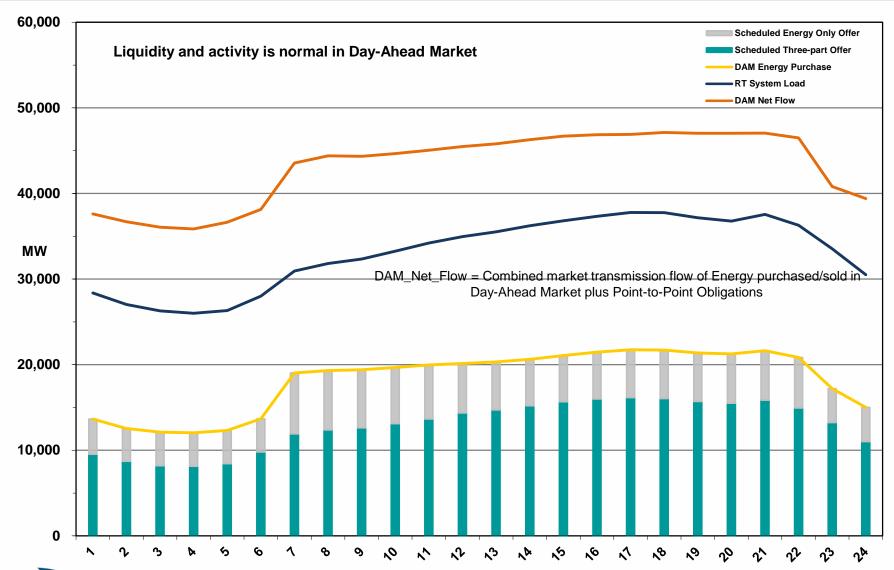
Generation Interconnection Activity by Project Phase – April 2014





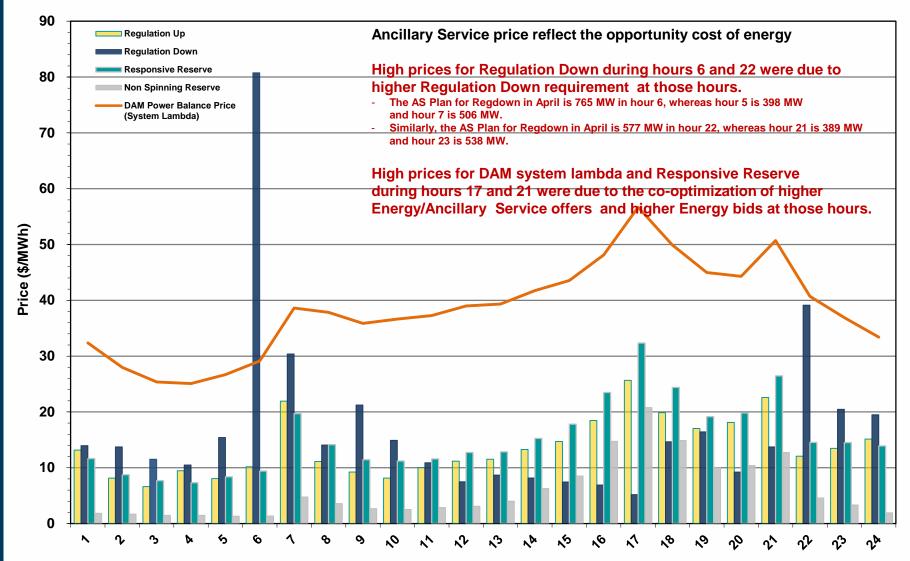
Market Operations

Day-Ahead Schedule (Hourly Average) - April 2014



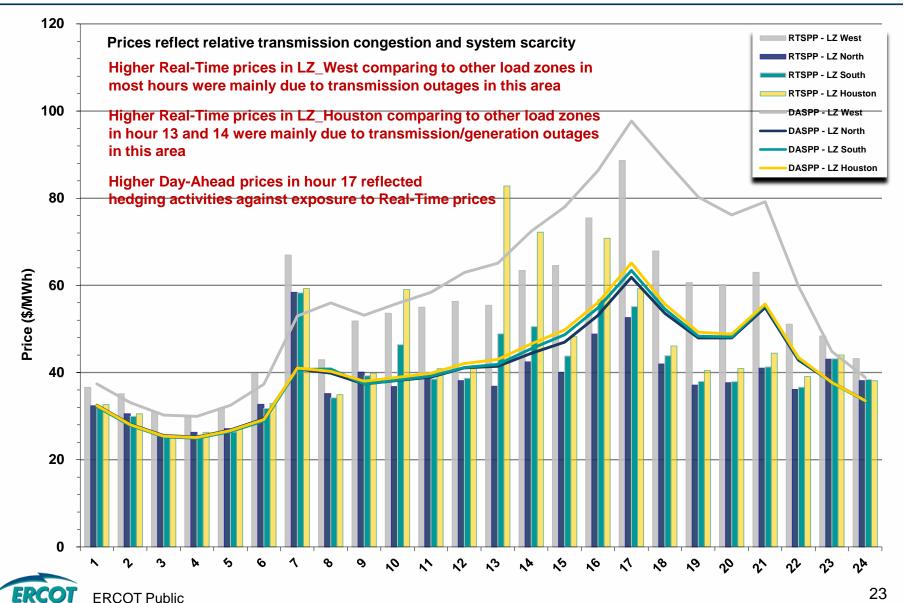


Day-Ahead Electricity And Ancillary Service Hourly Average Prices – April 2014

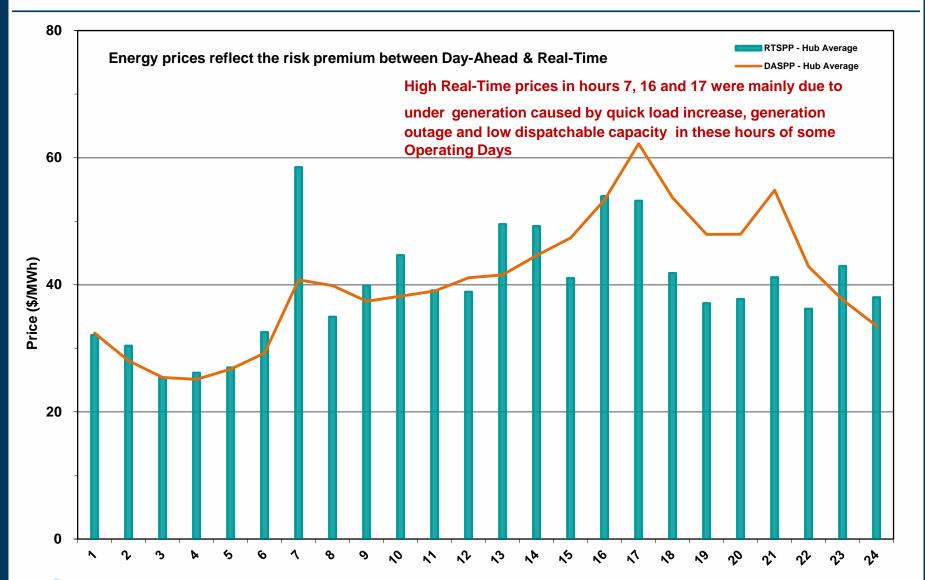




Day-Ahead Vs Real-Time Load Zone SPP (Hourly Average) – April 2014

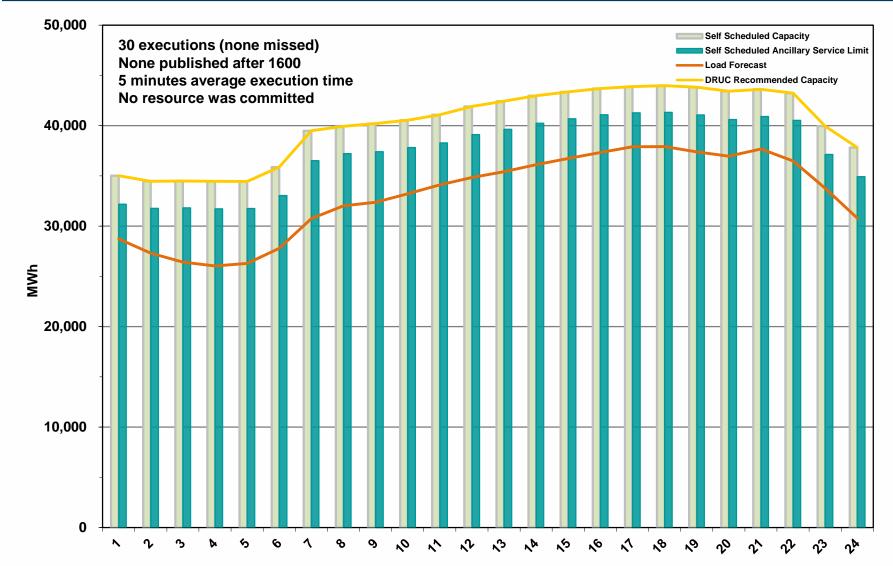


Day-Ahead Vs Real-Time Hub Average SPP (Hourly Average) – April 2014



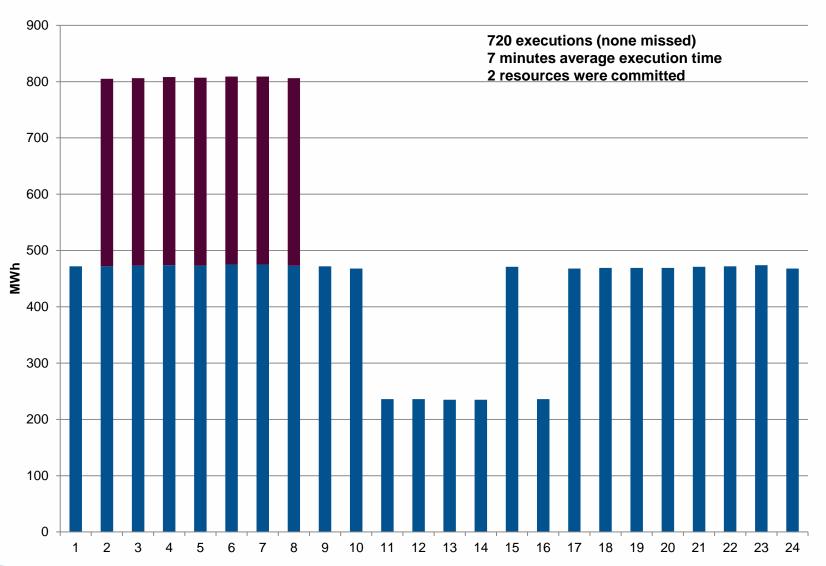


DRUC Monthly Summary (Hourly Average) - April 2014





HRUC Monthly Summary – April 2014

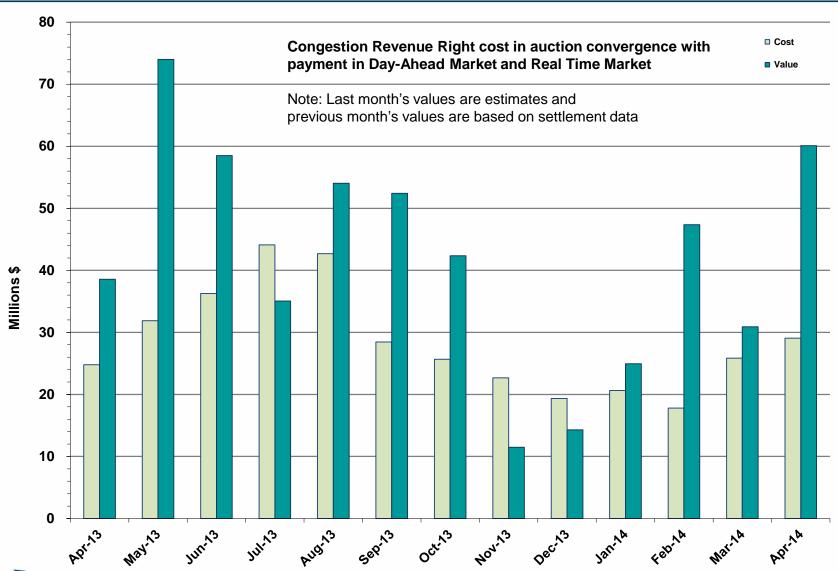




Non-Spinning Reserve Service Deployment – April 2014

Deployment Start Time	Deployment End Time	Deployment Duration (Hours)	Max Deployment (MW)	Reason
None				

CRR Price Convergence – April 2014





ERS Procurement for February 2014 – May 2014

FebMay2014 is the first Standard Contract Term with a common Clearing Price for both ERS-10 and ERS-30.

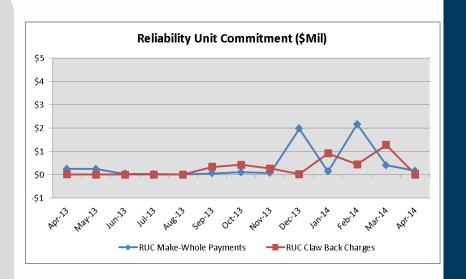
	BH1	BH2	ВН3	NBH
ERS-10 MW Procured	622.92	607.035	598.36	518.14
ERS-30 MW Procured	149.31	125.935	118.27	97.295
Clearing Price (Per MW per Hour)	\$16.70	\$10.71	\$10.71	\$3.90

BH1 - Business Hours 1 HE 0900 through 1300, Monday thru Friday except ERCOT Holidays
BH2 - Business Hours 2 HE 1400 through 1600, Monday thru Friday except ERCOT Holidays
BH3 - Business Hours 3 HE 1700 through 2000, Monday thru Friday except ERCOT Holidays
NBH - Non-Business Hours All other hours



Reliability Services – April 2014

Reliability Unit Commitment (RUC)	\$ in Millions
RUC Make-Whole Payments	(\$0.16)
RUC Clawback Charges	\$0.00
RUC Commitment Settlement	(\$0.16)
RUC Capacity Short Charges	\$0.16
RUC Make-Whole Uplift	\$0.00
RUC Commitment Cost Allocation	\$0.16
RUC Decommitment Payments	\$0.00



RUC Make-Whole Payments continues at a more typical level in April. There were no RUC Clawback Charges.

RUC settlement allocated directly to load was \$0 in April 2014, compared to:

- A credit of \$1.27M in March 2014
- A credit of \$0.01M in April 2013



Capacity Services – April 2014

Capacity Services	\$ in Millions
Regulation Up Service	\$4.63
Regulation Down Service	\$6.27
Responsive Reserve Service	\$26.69
Non-Spinning Reserve Service	\$5.92
Black Start Service	\$0.61
Voltage Services - Reactive Power	\$0.00
Voltage Services - Lost Opportunity	\$0.00
Total Charges	\$44.12

Capacity Services charges remained high, but were down from last month.

April 2014 charges were \$44.12M, compared to:

- A charge of \$67.33M in March 2014
- A charge of \$27.43M in April 2013



Energy Settlement – April 2014

Day-Ahead Market Energy Settlement	\$ in Millions
Energy Purchases	\$574.44
Point to Point Obligation Purchases	\$42.34
RMR Day-Ahead Revenue	\$0.00
Energy Sales	(\$556.68)
Day-Ahead Congestion Rent	\$60.10
Day-Ahead Market Make-Whole Payments	(\$0.10)

Day-Ahead Market and Real-Time Market energy settlement activity decreased significantly from last month and increased from April 2013.

\$ in Millions
(\$520.97)
\$822.89
(\$239.02)
\$0.07
(\$9.79)
\$53.18
(\$0.41)
\$0.33
23.70



Congestion Revenue Rights (CRR) – April 2014

	\$ in Millions
Annual Auctions	(\$23.10)
Monthly Auction	(\$5.98)
Total Auction Revenue	(\$29.08)
Day-Ahead CRR Settlement	(\$71.30)
Day-Ahead CRR Short-Charges	\$11.96
Day-Ahead CRR Short-Charges Refunded	(\$0.81)
Real-Time CRR Settlement	(\$0.00)
Real-Time CRR Short-Charges	\$0.00
Real-Time CRR Short-Charges Refunded	(\$0.00)
Total CRR Funding	(\$60.15)
Day-Ahead Point to Point Obligations Settlement	\$42.34
Real-Time Point to Point Obligation Settlement	(\$62.10)
Net Point to Point Obligation Settlement	(\$19.76)

Congestion Revenue Rights were not fully funded and excess funds were not available for distribution to load. The final short fall to CRR Account Holders after applying Balancing Account funds was \$11.15M, compared to:

- \$5.42M Credit to Load in March 2014
- \$3.90M Short Fall in April 2013

Point to Point Obligations settled with a net payment of \$19.76M compared to a net payment of \$45.27M last month.



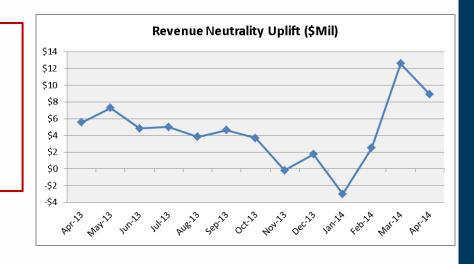
Revenue Neutrality – April 2014

Revenue Neutrality Settlement	\$ in Millions
Real-Time Point to Point Obligation Settlement	(\$62.10)
Real-Time Point to Point Options and Options with Refund Settlement	\$0.00
Real-Time Energy Imbalance Settlement	\$62.90
Real-Time Congestion from Self-Schedules Settlement	\$0.07
DC Tie & Block Load Transfer Settlement	(\$9.79)
Charge to Load	\$8.92

Revenue Neutrality charges to load decreased compared to last month and increased from April 2013.

April 2014 was a charge of \$8.92M, compared to:

- \$12.61M charge in March 2014
- \$5.55M charge in April 2013





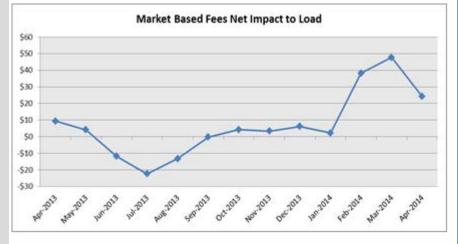
Net Allocation to Load – April 2014

Market-Based Allocation	\$ in Millions
CRR Auction Revenue Disbursement Settlement	(\$29.08)
Balancing Account Proceeds Settlement	\$0.00
Net Reliability Unit Commitment Settlement	\$0.16
Ancillary Services Settlement	\$44.12
Reliability Must Run Services Settlement	\$0.00
Reliability Must Run for Capacity	\$0.00
Real-Time Revenue Neutrality Settlement	\$8.94
Emergency Energy Settlement	\$0.41
Base Point Deviation Settlement	(\$0.33)
Total	\$24.22
Fee Allocation	
ERCOT Administrative Fee Settlement	\$11.16
Net Allocated to Load	\$35.38

The charge for the net allocation to Load decreased from last month and increased from April of 2013

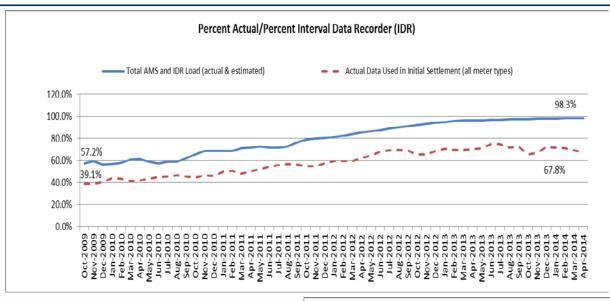
April 2014 was a charge of \$35.38M, compared to:

- A charge of \$59.27M in March 2014
- A charge of \$19.17M in April 2013



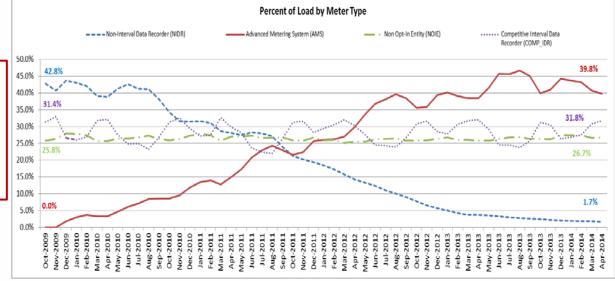


Advanced Meter Settlement Impacts – April 2014



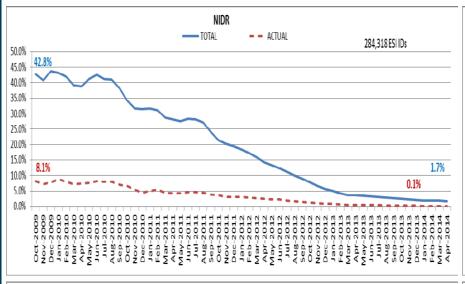
April 2014: At month end, settling 6.6M ESIIDs using Advanced Meter data.

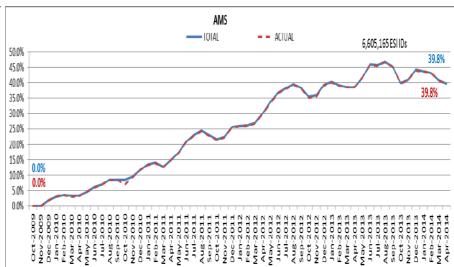
April 2014: 98.3% of the load in ERCOT is settled with 15-min interval data (AMS, Competitive IDR, and NOIE IDR).

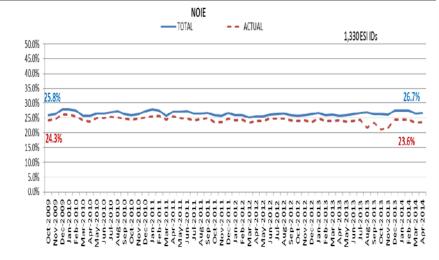


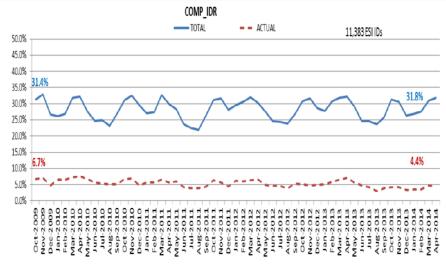


ERCOT Wide Load Volumes by Meter Type – INITIAL Settlement – April 2014











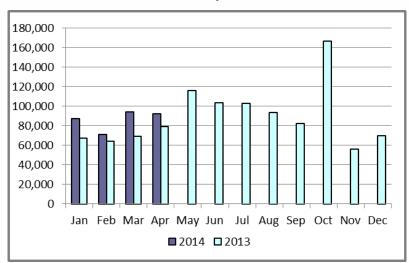
Retail Transaction Volumes – Summary – April 2014

	Year-	To-Date	Transactions Received		
Transaction Type	April 2014	April 2013	April 2014	April 2013	
Switches	343,953	279,314	91,983	78,919	
Acquisition	0	0	0	0	
Move - Ins	888,592	788,074	258,649	204,412	
Move - Outs	418,923	424,893	107,956	111,598	
Continuous Service Agreements (CSA)	226,461	157,518	80,184	34,925	
Mass Transitions	0	0	0	0	
Total	1,877,929	1,649,799	538,772	429,854	

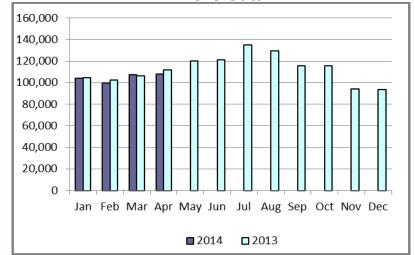


Retail Transaction Volumes – Summary – April 2014

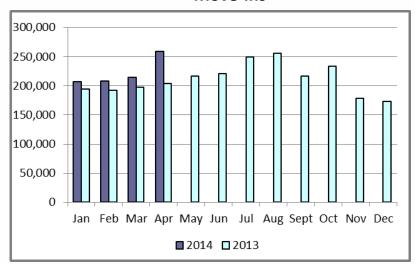
Switches/Acquisitions



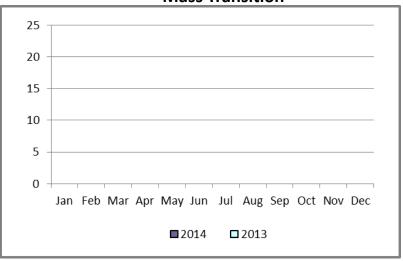
Move-Outs



Move-Ins

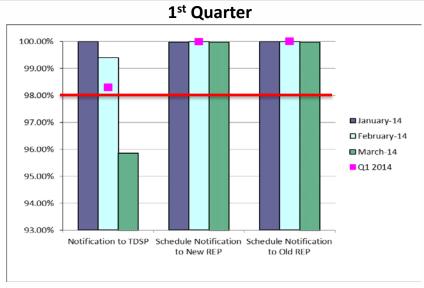


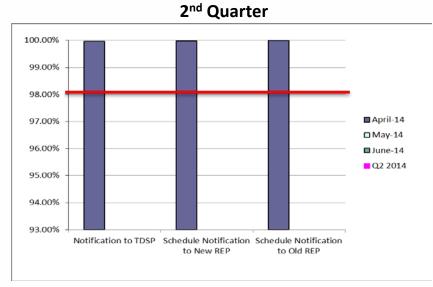
Mass Transition

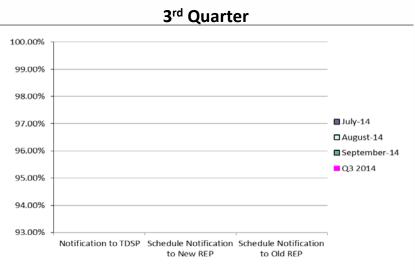


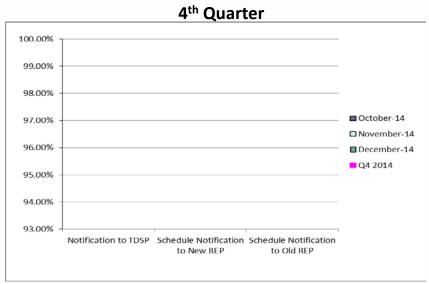


Retail Performance Measures – Switch – April 2014



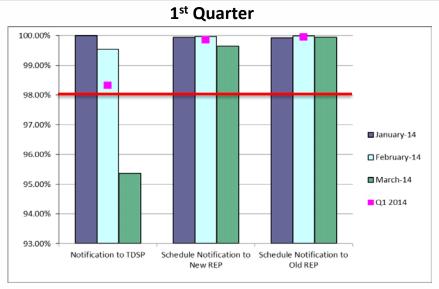


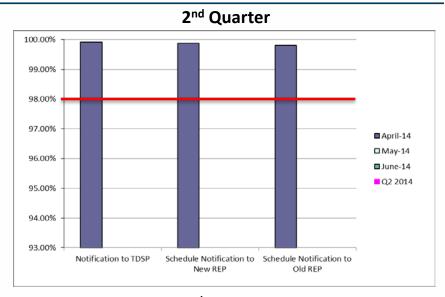


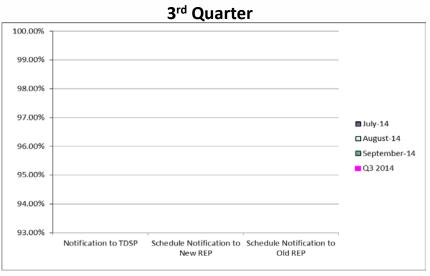


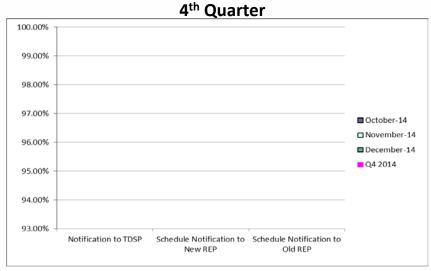


Retail Performance Measures (Same Day Move-In) - April 2014



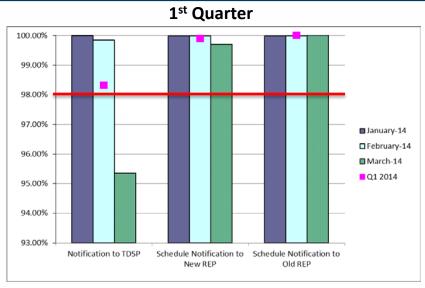


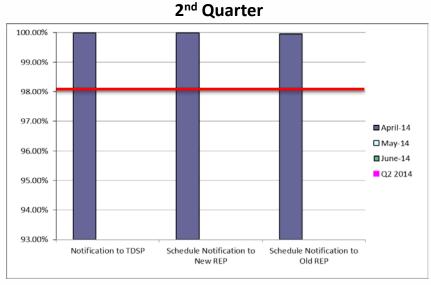




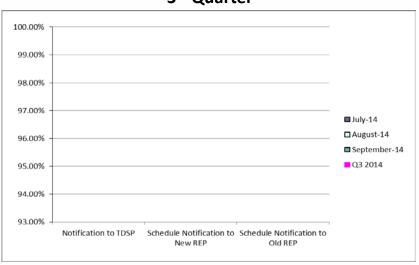


Retail Performance Measures (Standard Move-In) - April 2014

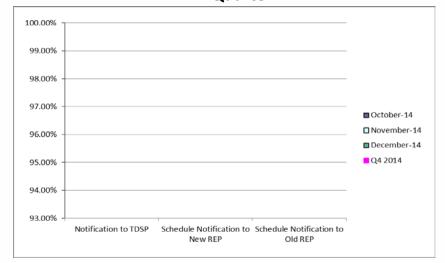














Projects Report

		2014 Project Fo	unding	\$	25,000,000			
	Impact Metric Tolerances			2014 Portfolio Demand	2014 Portfolio Managed to Project Funding	Total Portfolio Demand		
Unfavorab	le variances are represented as negative numbers within	Projects In Flight	:/On Hold (Count = 57)	\$ 22,373,082	\$ 25,615,753	\$ 44,438,932		
the report		D!	C++	¢ 5467.630	ć (742 F00)	ć 47.400.F4	,	
	No more than 4.9% unfavorable variance	Projects Not Yet	Started (Count = 41)	\$ 5,167,629	\$ (712,588)	\$ 17,192,517		
	Unfavorable variance between 4.9% and 9.9%	Projects Comple	ted (Count = 5)	\$ 102,919	\$ 96,835	\$ 442,098	.	
- Kea = U	nfavorable variance more than 9.9%	TOTAL		\$ 27,643,630	\$ 25,000,000	\$ 62,073,547	,	
Project Number	Projects in Initiation Phase (Count = 6)							
TBD	EIS Reporting and Control Systems Upgrade							
NPRR586	Align Credit Lock for CRR Auctions with Transaction Submission Deadline							
129-01	Access and Roles Management							
132-01	Client Digital Certificate Upgrade							
133-01	Testing Environment Management							
134-01	Privileged Account Management							
Project Number	Projects in Planning Phase (Count = 14)	Baseline Phase Start	Baseline Phase Finish	Scheduled Go-Live Date	Scheduled Phase Finish	Schedule Impact	Budg	get Impact
052-01	EMS Upgrade	8/7/2013	10/30/2014	TBD	10/30/2014	0%		2%
065-01	NMMS Upgrade	5/1/2013	3/1/2014	TBD	5/30/2014	1 -29%	1	-17%
074-02	Cyber Security Project #9	12/17/2013	3/26/2014	TBD	6/11/2014	2 -77%		0%
089-01	Information Technology Change Management	4/10/2013	4/2/2014	TBD	8/6/2014	1 -35%	1	-70%
097-01	ABB MMS OS Technology Refresh	5/29/2013	5/30/2014	TBD	5/30/2014	0%		0%
104-01	Disaster Recovery: S&B, RTL, MDT	5/15/2013	11/15/2013	TBD	8/29/2014	1 -155%	1	-10%
106-01	MP Online Data Entry - Ph 1	10/9/2013	3/5/2014	TBD	7/18/2014	4 -91%		0%
115-01	Cyber Security Project #14	11/13/2013	3/26/2014	TBD	5/19/2014	2 -40%		0%
120-01	IT Production Hardening	2/12/2014	9/24/2014	TBD	9/24/2014	0%		4%
121-01	2013/2014 Network Refresh	1/15/2014	4/16/2014	TBD	5/14/2014	1 -30%		0%
122-01	Infoblox DNS/DHCP	12/11/2013	2/19/2014	TBD	5/28/2014	1 -140%	1	-30%
130-01	Electronic Crisis Communications Enhancements	4/30/2014	5/21/2014	TBD	5/22/2014	-4%		-3%
131-01	Email Gateway Refresh	4/2/2014	6/16/2014	TBD	6/16/2014	0%		0%
127-01	SQL Server 2012 Upgrade / Cluster Consolidation	3/6/2014	8/27/2014	TBD	8/27/2014	0%		6%



Project Number	Projects in Execution Phase (Count = 23)	Baseline Phase Start	Baseline Go-Live Target	Scheduled Go-Live Date	Scheduled Phase Finish	Sche	dule Impact	Bud	get Impact
10052_01	Settlement System Upgrade	1/25/2012	12/23/2014	12/6/2014	3/17/2015		1%	2	-11%
017-01	Oracle 11g Upgrade	10/10/2012	5/14/2014	5/14/2014	5/14/2014		0%		7%
057-01	EPS Metering DB Redesign	4/17/2013	9/6/2013	7/28/2014	8/29/2014	2	-228%	2	-145%
077-01	Contract Lifecycle Management	9/11/2013	5/5/2014	7/8/2014	9/16/2014	2	-27%		23%
083-01	Centralized Application Log Management	8/28/2013	5/7/2014	5/7/2014	10/3/2014		0%		3%
107-01	IBM AIX Operating System Upgrades	1/29/2014	5/2/2014	5/2/2014	7/16/2014		0%		26%
110-01	Taylor Control Room Upgrade	2/19/2014	7/7/2014	7/8/2014	8/14/2014		0%		0%
116-01	Collage Replacement	2/6/2014	9/22/2014	7/29/2014	8/29/2014		24%		7%
117-01	2014 Market System Enhancements	1/8/2014	6/1/2014	6/1/2014	6/30/2014		0%		-1%
125-01	VSAT/TSAT Upgrade	3/27/2014	7/16/2014	7/16/2014	9/30/2014		0%		1%
128-01	Capital Efficiencies and Enhancements - 2014	1/1/2014	12/31/2014	12/31/2014	12/31/2014		0%		0%
135-01	Common Infrastructure - 2014	1/1/2014	12/31/2014	12/31/2014	12/31/2014		0%		0%
99914	Minor Cap - 2014	1/1/2014	12/31/2014	12/31/2014	12/31/2014		0%		0%
2014 PC	Program Control - 2014	1/1/2014	12/31/2014	12/31/2014	12/31/2014	NA	0%	NA	2%
NPRR485	Clarification for Fuel Adder Provisions	10/23/2013	9/30/2014	9/30/2014	10/31/2014		0%	NA	See #128- 01
NPRR491	Updated Distribution Generation and Demand Response Information for ERCOT	2/26/2014	8/1/2014	8/1/2014	8/31/2014		0%	NA	See #117- 01
NPRR532	Performance Measurement and Verification and Telemetry Requirements for Load Resources Providing Non-Spin	1/8/2014	6/1/2014	6/1/2014	7/1/2014		0%	NA	See #117- 01
NPRR555	Load Resource Participation in Security-Constrained Economic Dispatch	1/8/2014	6/1/2014	6/1/2014	7/1/2014		0%	NA	See #117- 01
NPRR568	Real-Time Reserve Price Adder Based on Operating Reserve Demand Curve	1/8/2014	6/1/2014	6/1/2014	7/1/2014		0%	NA	See #117- 01
NPRR571	ERS Weather-Sensitive Loads Requirements	4/8/2014	7/27/2014	7/27/2014	7/27/2014		0%	NA	See #128- 01
SCR756	MarkeTrak Enhancements - Remaining SCR756 Items	2/5/2014	7/23/2014	7/27/2014	8/22/2014		-2%		-3%
SCR769	CRRAH Digital Certificate New Role for Read Only Access	3/20/2014	8/1/2014	8/1/2014	9/10/2014		0%		4%
SCR774	Enhancement to Outage Scheduler and Reports	2/26/2014	8/1/2014	8/1/2014	8/31/2014		0%	NA	See #128- 01



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Project Number	Projects in Stabilization (Count = 10)	Baseline Execution Phase Start	Baseline Go-Live Target	Actual Go-Live Date	Scheduled Execution Phase Finish	Schedule Impact	Bud	get Impact
NPRR240	Proxy Energy Offer Curve	1/8/2014	2/7/2014	2/7/2014	7/1/2014	0%	NA	See #117- 01
NPRR509	Shortened RTM Settlement Timeline	12/11/2013	2/23/2014	2/23/2014	2/23/2014	0%	NA	See #128- 01
NPRR564	Thirty-Minute Emergency Response Service (ERS) and Other ERS Services	1/8/2014	4/27/2014	4/18/2014	7/1/2014	8%	NA	See #117- 01
NPRR570	Reduce RTM Settlement Timeline to Operating Day Plus Five	2/16/2014	4/27/2014	4/18/2014	4/27/2014	12%	NA	See #128- 01
NOGRR105	Generation Resource Frequency Response Test Procedure	12/4/2013	2/7/2014	2/7/2014	3/26/2014	0%		30%
016-01	ADP-IDM Interface	11/6/2013	3/26/2014	3/26/2014	5/6/2014	0%		13%
047-01	CMSDK/MIR Replacement	4/24/2013	12/8/2013	4/15/2014	10/2/2014	2 -56%	2	-64%
108-01	Alstom Load Forecasting Upgrade	11/20/2013	4/23/2014	4/16/2014	5/14/2014	4%		15%
118-01	Mitigation Plan RTCA Enhancements	2/5/2014	4/18/2014	4/17/2014	5/8/2014	1%		7%
119-01	CREZ Voltage Control and Coordination	3/6/2014	4/18/2014	4/18/2014	8/20/2014	0%		11%
Project Number	Projects On Hold (Count = 4)	Forecast Start Date	Baseline Phase Finish	Scheduled Go-Live Date	Scheduled Phase Finish	Schedule Impact	Bud	get Impact
PROJECT	TS ON HOLD (Count = 4) Sorted by Project N	lumber						
NPRR327	State Estimator Data Redaction Methodology	12/5/2012	2/12/2013	TBD	TBD	3	3	
OBD	Setting the Shadow Price Caps and Power Balance Penalties in Security-Constrained Economic Dispatch	1/8/2014	6/1/2014	TBD	TBD	3	3	
SCR772	New Extract for Five Minute Interval Settlement Data	2/12/2014	4/19/2014	TBD	TBD	3	3	
066-01	Planning Site Transition to MIS	10/16/2013	5/2/2014	TBD	TBD	3	3	
Project Number	Projects Completed in the Current Year (Count =5)	Baseline Execution Phase Start	Baseline Go-Live Target	Actual Go-Live Date	Actual Execution Phase Finish	Schedule Status	Tota	al Variance
PROJECT	TS COMPLETED IN 2014 (Count = 5) Sorted by Proje							19%
NPRR425	Creation of a WGR Group for GREDP and Base Point Deviation Evaluation	8/21/2013	3/26/2014	3/3/2014	3/31/2014	10%		46%
NPRR575	Clarification of the RUC Resource Buy-Back Provision for Ancillary Services	12/10/2013	1/7/2014	1/7/2014	1/31/2014	0%	NA	See #78-01
101-01	Emergency Notification System Hardware Refresh	11/13/2013	1/24/2014	12/20/2013	1/24/2014	48%		-2%
113-01	Dev Hardware Refresh and Virtualization Expansion	11/13/2013	1/24/2014	1/9/2014	2/28/2014	20%		0%
114-01	Lawson Security	1/29/2014	2/17/2014	2/17/2014	3/5/2014	0%	2	-36%
			Footnotes					
			1 - Current phase took longe	r than expected, resul	ting in additional funding a	nd/or time required		
			2 - Current phase requiring n	nore labor than expect	ed, resulting in additional	funding and/or time requ	ired	
			3 - Project placed on hold					
			4 - Resource constraints res	ulted in delay to curre	nt phase			
			NA - Metric not calculated be - it is reported at the - it is an administrativ	parent project level, or				
			I					



Project Number	Projects Not Yet Started (Count = 41)	Forecast Start Date
PROJECT	S NOT YET STARTED (Count = 41) Sorted I	by Start Date
NPRR487	QSGR Dispatch Adjustment	May 2014
NPRR495	Changes to Ancillary Services Capacity Monitor	May 2014
NPRR500	Posting of Generation that is Off but Available	May 2014
NPRR543	Message for Confirmed E-Tags	May 2014
TBD	Cyber Security Project #11	May 2014
TBD	EIF Database Utilization	May 2014
TBD	Production Virtualization Expansion	May 2014
TBD	Reactive Test Forms Revision	May 2014
NPRR527	Required Combined Cycle Telemetry for Operational Awareness and PDCWG Analysis	Jun 2014
TBD	Cyber Security Project #10	Jun 2014
TBD	Move iTron LF Application to High Availability Environment	Jun 2014
NPRR272	Definition and Participation of Quick Start Generation Resources	Jul 2014
NPRR439	Updating a Counter-Party's Available Credit Limit for Current Day DAM	Jul 2014
NPRR484	Revisions to Congestion Revenue Rights Credit Calculations and	Jul 2014
NPRR519	Exemption of ERS-Only QSEs from Collateral and Capitalization Requirements	Jul 2014
NPRR524	Resource Limits in Providing Ancillary Service	Jul 2014
NPRR559	Revisions to MCE Calculation	Jul 2014
SCR771	REPROOF System Change Allowing Independent Master QSE to Represent Split Generation Resources	Jul 2014
TBD	Enterprise Vault Upgrade	Jul 2014
TBD	MP Communications Tool	Jul 2014
TBD	Red Hat Jboss Operations Network	Jul 2014
TBD	SOTE/MOTE Upgrade	Jul 2014
RRs	Revision Request Funding - 2014	Jul 2014
NPRR256	Sync with PRR787, Add Non-Compliance Language to QSE Performance Standards	Aug 2014
TBD	ERCOT Business Continuity Facility Enhancements	Aug 2014
NOGRR084		Sep 2014
TBD	EDW Platform Transition Phase 2	Sep 2014
TBD	REC Rewrite & Refresh	Sep 2014
TBD	VSAT/TSAT Upgrade Phase 2	Sep 2014
NPRR210	Wind Forecasting Change to P50, Sync with PRR841	Oct 2014
NPRR553	Monthly BLT Payment and Charge for Presidio Exception	Oct 2014
TBD	Appworx Replaces TIBCO Code in CSI Framework	Oct 2014
TBD	AV Upgrades to TCC1 Conference Rooms	Oct 2014
TBD	CREZ Voltage Control and Coordination - Phase 2	Oct 2014
TBD	MP Online Data Entry - Ph 2	Oct 2014
TBD	On-Site Storage	Oct 2014
TBD	Replace Actional Policy Manager	Oct 2014
TBD	Replace N2N System	Oct 2014
TBD	Replace Paperfree	Oct 2014
TBD	Voice Over IP (VOIP) Replacement for PBX	Oct 2014
NPRR455	CRR Shift Factors Report	Nov 2014
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