



# ERCOT Monthly Operational Overview (November 2012)

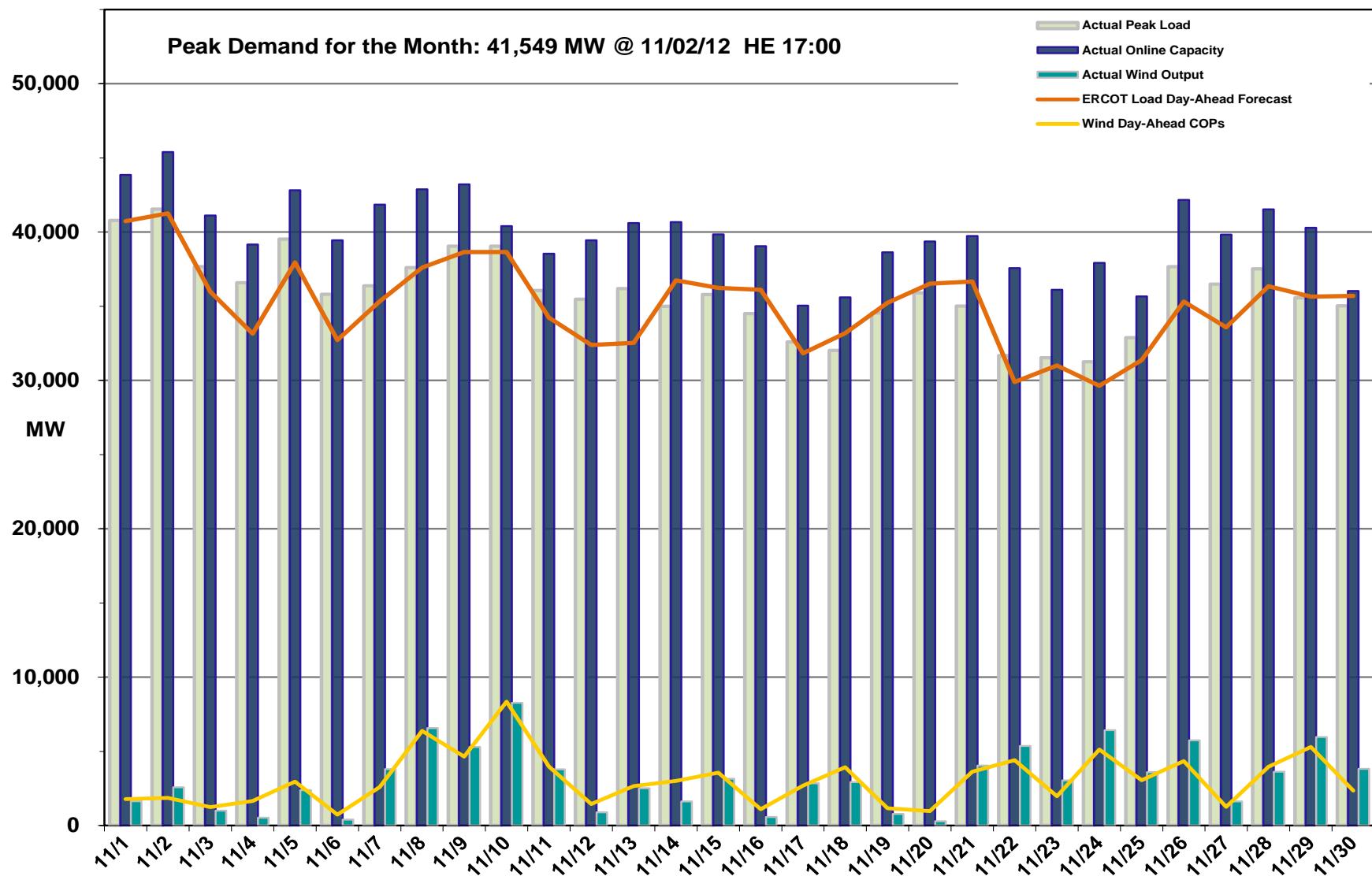
December 15, 2012



# Grid Operations & Planning

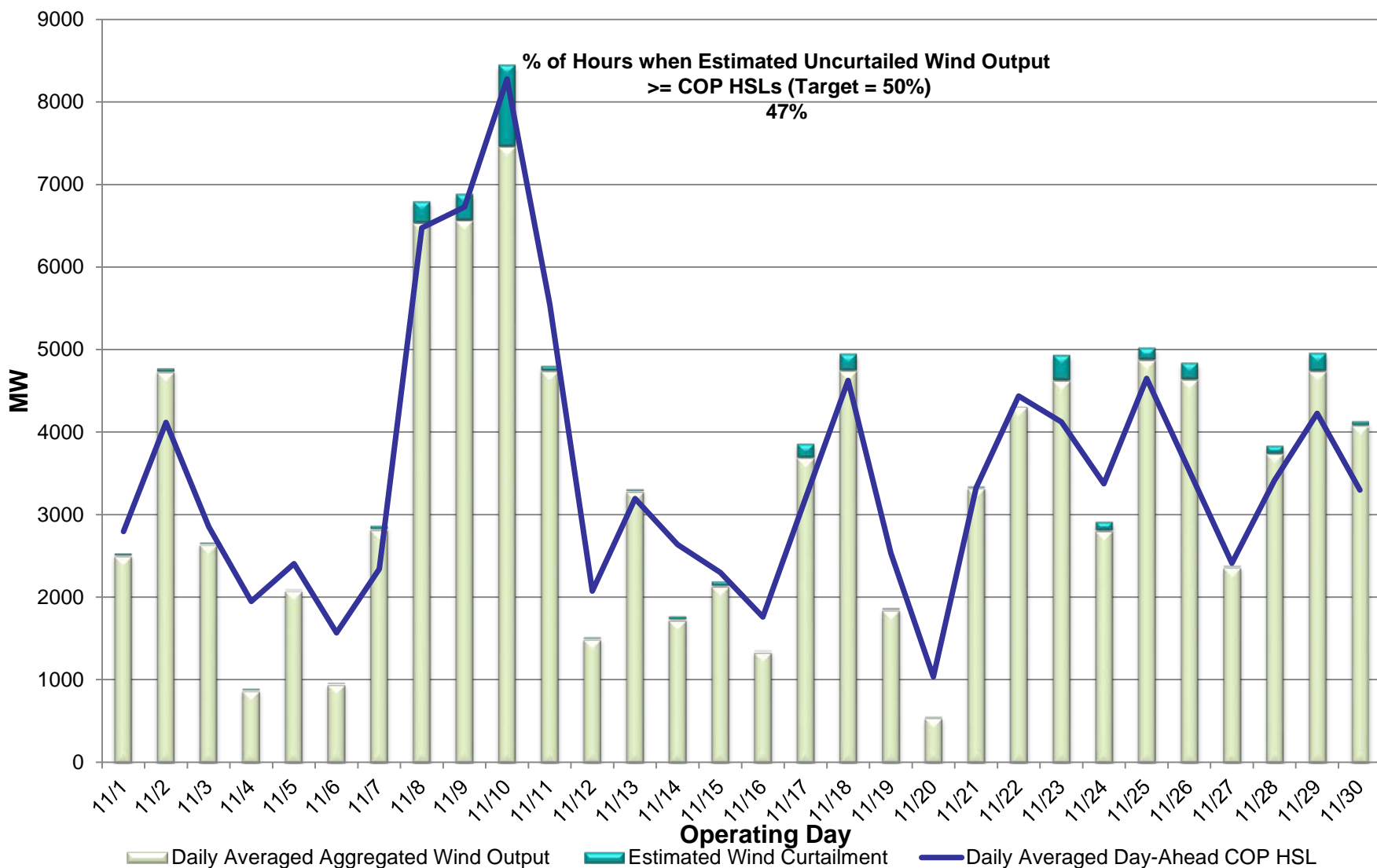
- November 2012 Operations
  - Peak Demand: Actual vs. Forecast
  - On-line Resources: Total at Peak and Wind
  - CPS1 Monthly Performance
  - Historical Peak and Minimum Loads
  - Day-Ahead Load Forecast Performance
  - Reliability Unit Commitment Capacity (RUC) by weather zone
  - Generic Transmission Limits (GTLs)
  - Advisories, Watches and EEAs
  - Significant System Incidents
- Planning Activities
  - Summary
  - Generation Interconnection Requests
  - Wind Capacity

# November 2012 Daily Peak Demand: Hourly Average Actual vs. Forecast, Wind Day-Ahead COPs & On-line Capacity at Peak



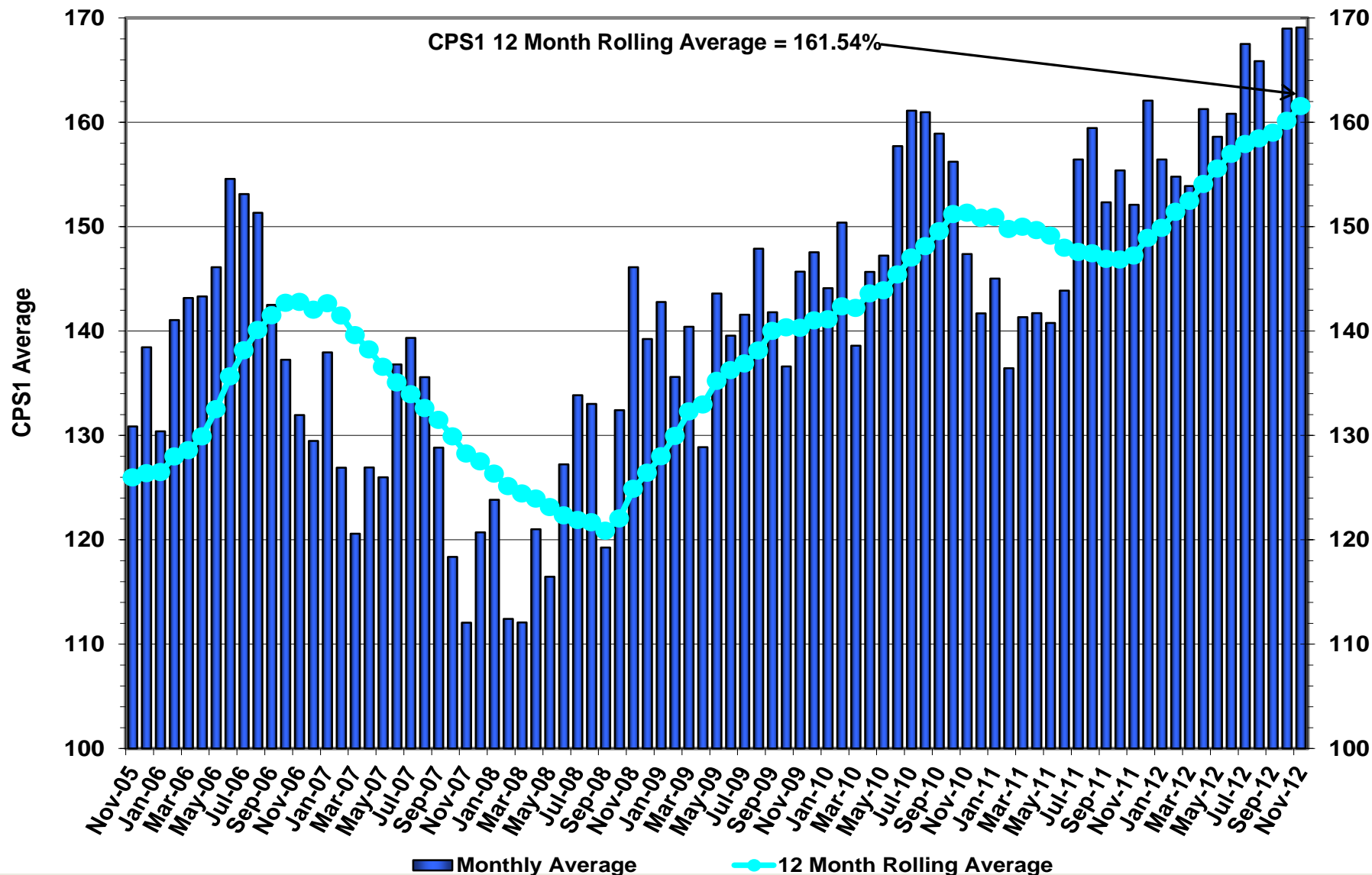
Note: All data are hourly averages during the peak load hour obtained from COPs, and EMMS.

# November 2012 Actual Wind Output plus Curtailments vs. Wind Day-Ahead COPs for All Hours

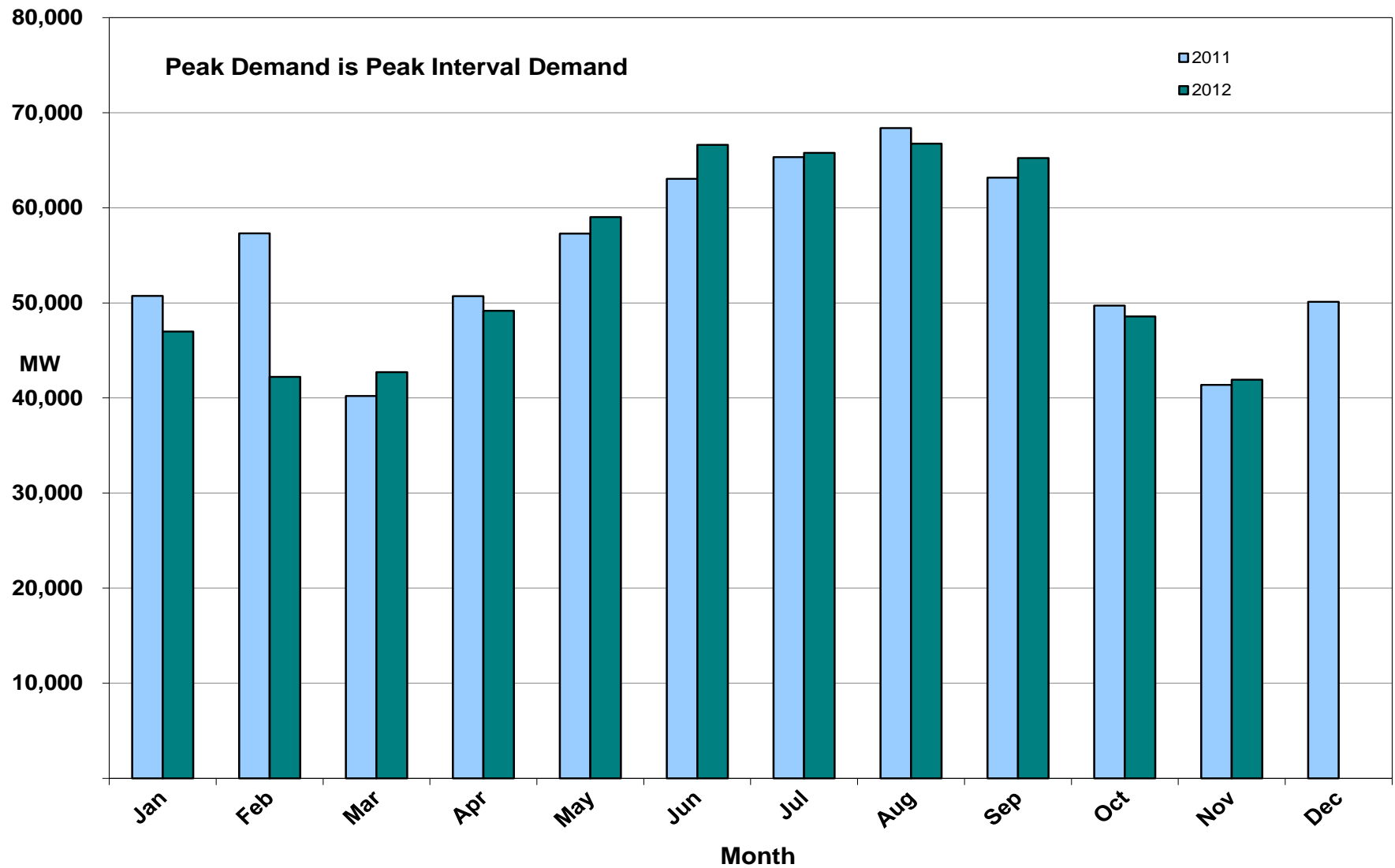


**Note: QSEs must use the AWT 50% probability of exceedance forecast as the HSL in their COPs**

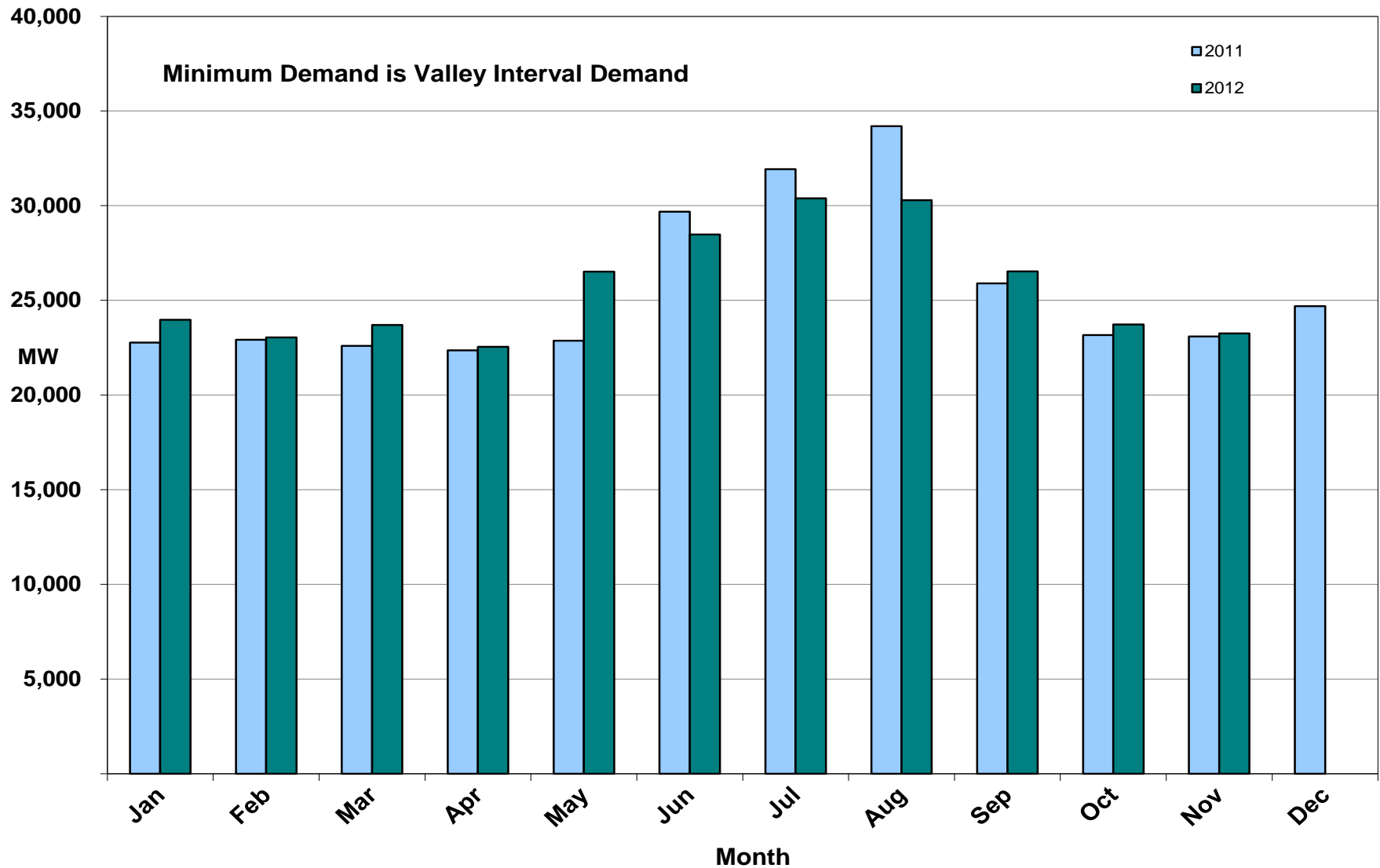
# November 2012 ERCOT's CPS1 Monthly Performance



# November 2012 Monthly Peak Actual Demand



# November 2012 Monthly Minimum Actual Demand



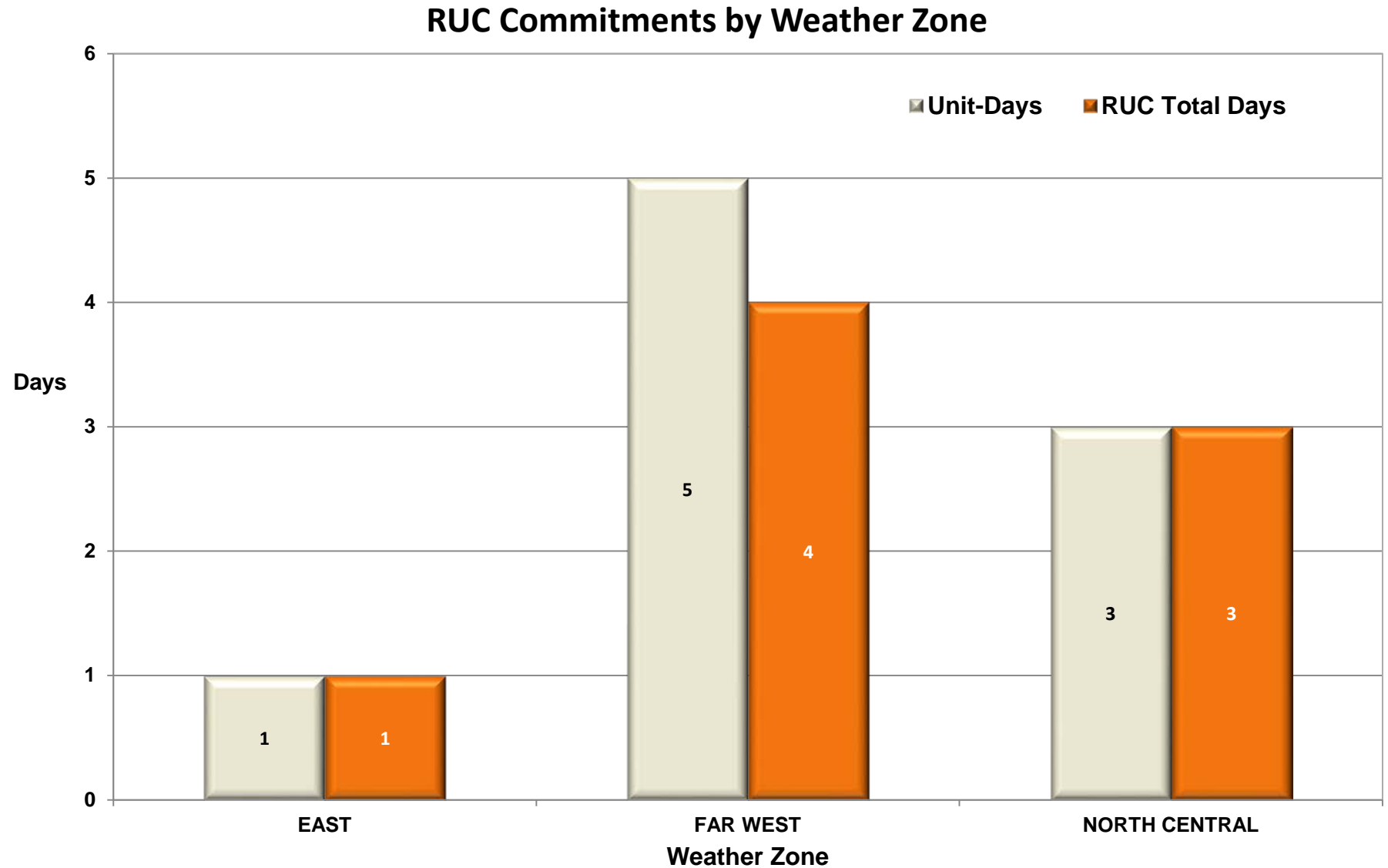


# Day-Ahead Load Forecast Performance in November 2012

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

	<b>2009 MAPE</b>	<b>2010 MAPE</b>	<b>2011 MAPE</b>	<b>2012 MAPE</b>	<b>Nov 2012 MAPE</b>	
<b>Average Annual MAPE</b>	3.11	2.83	<b>2.83</b>	<b>2.98</b>	<b>2.90</b>	
<b>Lowest Monthly MAPE</b>	1.93	2.24	1.63	2.51	<b>Lowest Daily MAPE</b>	1.03 Nov – 15
<b>Highest Monthly MAPE</b>	4.11	3.79	3.55	3.49	<b>Highest Daily MAPE</b>	7.46 Nov – 24

# Reliability Unit Commitment (RUC) Capacity by weather zone in November 2012



## November 2012 Generic Transmission Limits (GTLs)

GTLs	Nov 11 Days GTLs	Sep 12 Days GTLs	Oct 12 Days GTLs	Nov 12 Days GTLs	Last 12 Months Total Days (Nov11 – Nov12)
North – Houston	0	0	0	0	1
West – North	20	4	14	7 Nov (2,7,8,10,11,24,30)	176
Valley Import	0	0	0	0	0

**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 in November 2012

- **Advisories issued for Physical Responsive Capability (PRC) below 3000 MW.**
  - None
- **Watches issued for Physical Responsive Capability (PRC) below 2500 MW.**
  - None
- **Transmission Watches**
  - 11/5 14:43 ERCOT issued a transmission watch for Rio Grande Valley area; transfer to CFE on the DC tie curtailed
- **Emergency Notice**
  - 11/30 12:03 ERCOT issued an emergency notice for real time overloads in West Texas area. About 15 MW of load shed in Holt Switch area due to multiple line and transformer contingencies
- **Energy Emergency Alerts**
  - None

# Lake Levels Update – 01 December 2012

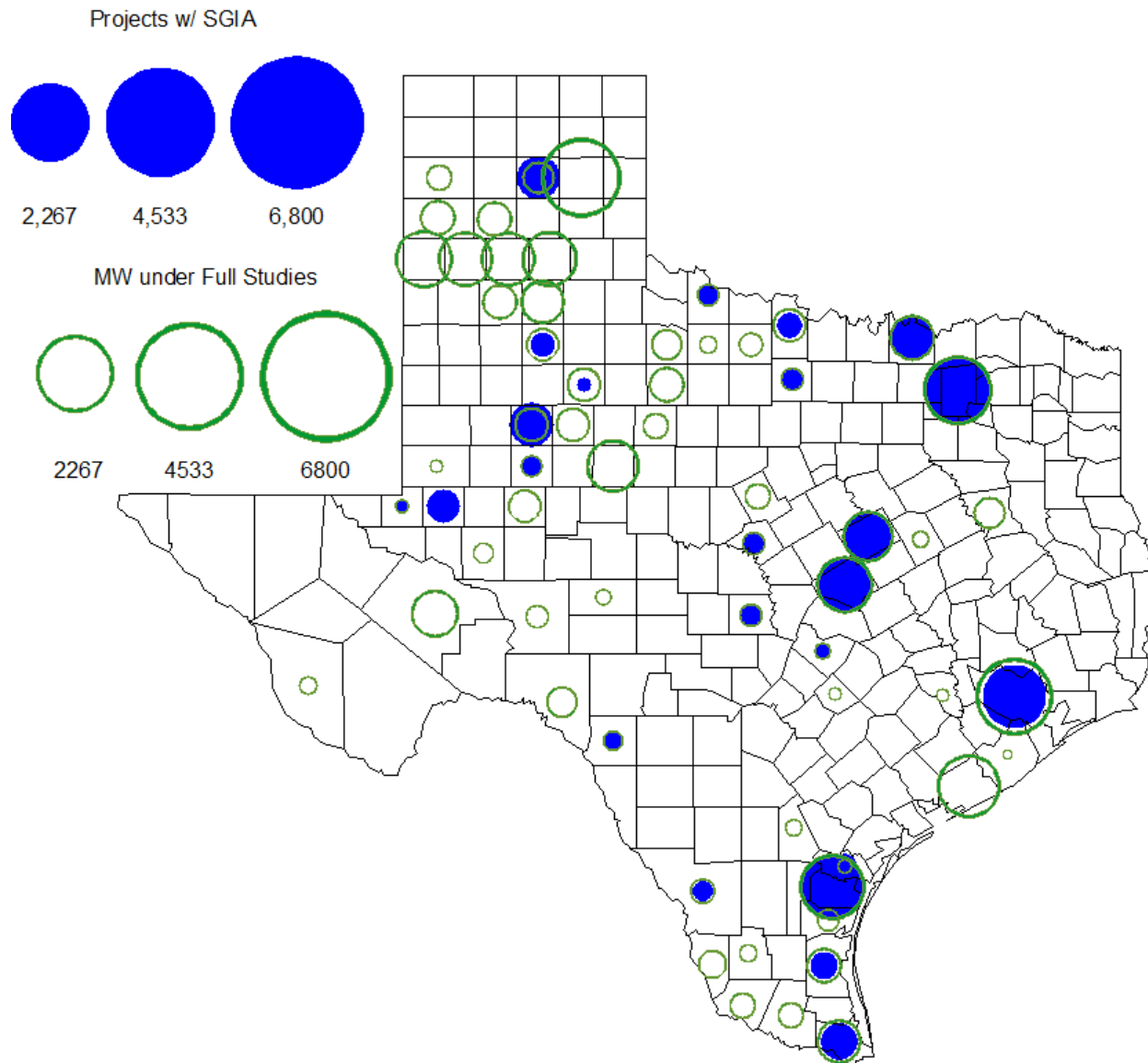
Surface Water & (MW)	*Level @ Full Conservation Pool	*Level on Jan 1, 2011	*Level on Oct 7, 2011	*Level on Dec 01, 2012
Lake Texana (56)	44.50	41.00	32.81	41.82
Bardwell Lake (312)	421.00	420.71	416.23	417.78
Lake Colorado City (407)	2,070.20	2057.33	2052.4	2053.62
Lake Ray Hubbard (916)	435.50	432.37	429.22	431.46
Lake Granbury (983)	693.00	691.90	686.27	687.68
Lake Houston (1016)	41.73	42.10	36.76	41.28
Twin Oaks Reservoir (1616)	400	398.87	398.27	400.12
Lake Limestone (1689)	363	359.03	354	358.14
Martin Lake (2425)	306	300.48	295.06	300.78

**\* In Feet above Mean Sea Level**

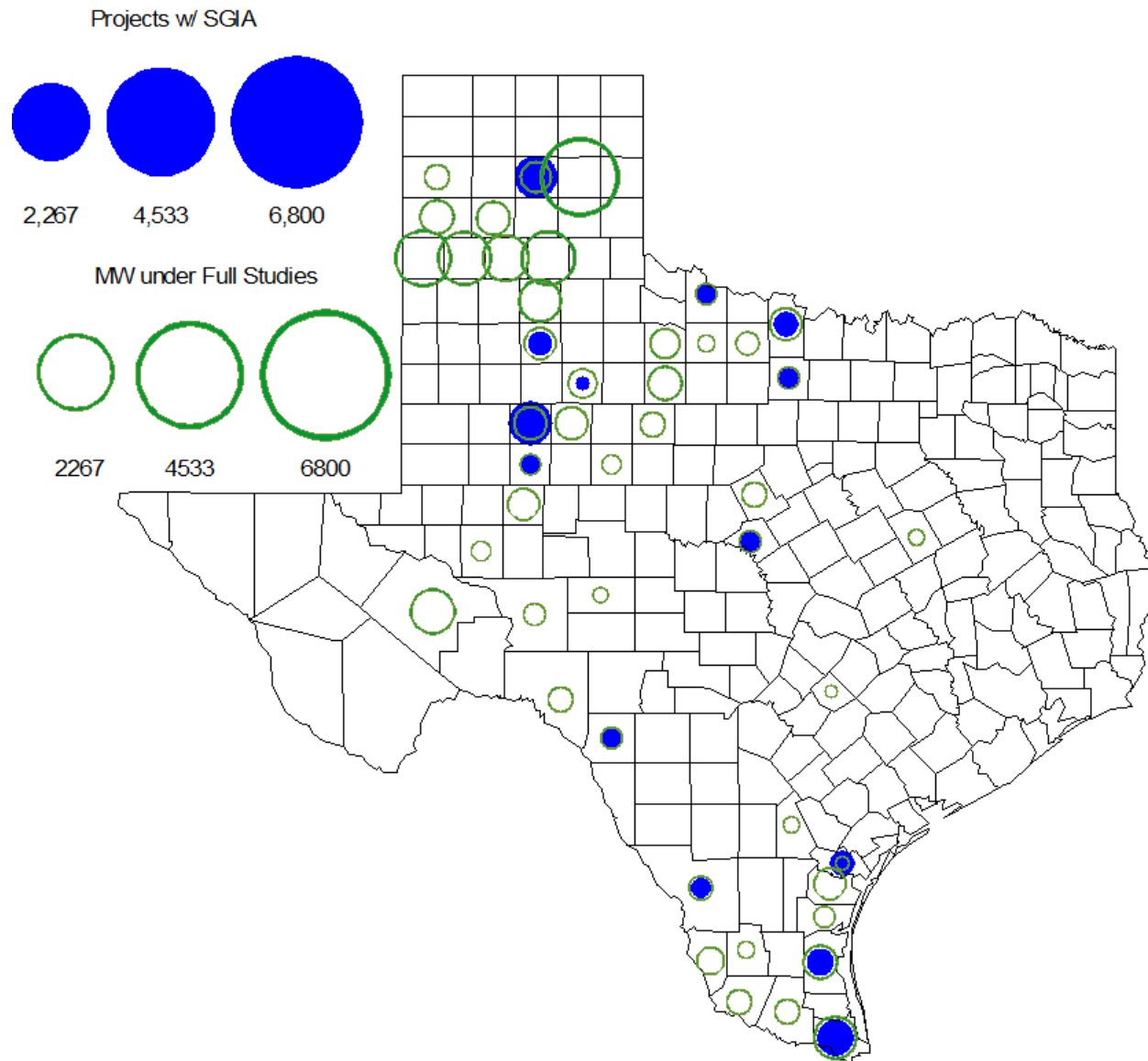
## Planning Summary – November 2012

- ERCOT is currently tracking 152 active generation interconnection requests totaling over 43,000 MW. This includes over 20,000 MW of wind generation.
- ERCOT is currently reviewing proposed transmission improvements with a total cost of \$257.5 Million
- Transmission Projects endorsed in 2012 total \$596.8 Million
- All projects (in engineering, routing, licensing and construction) total approximately \$9.68 Billion.
- Transmission Projects energized in 2012 total about \$732.2 million

# County Location of Planned Generation with Interconnection Requests (all fuels) **November 2012**

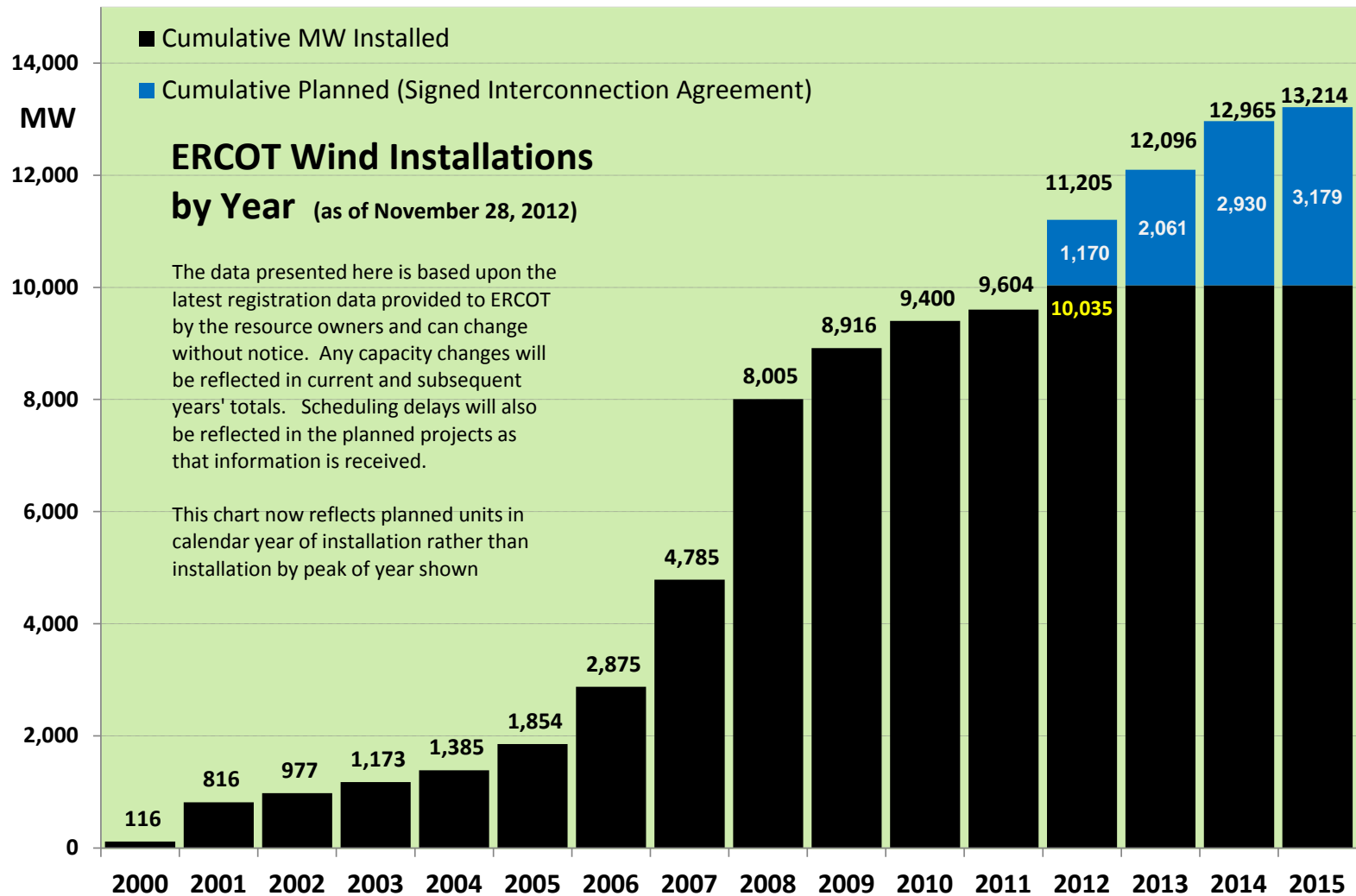


# County Location of Planned Generation with Interconnection Requests (Wind) **November 2012**

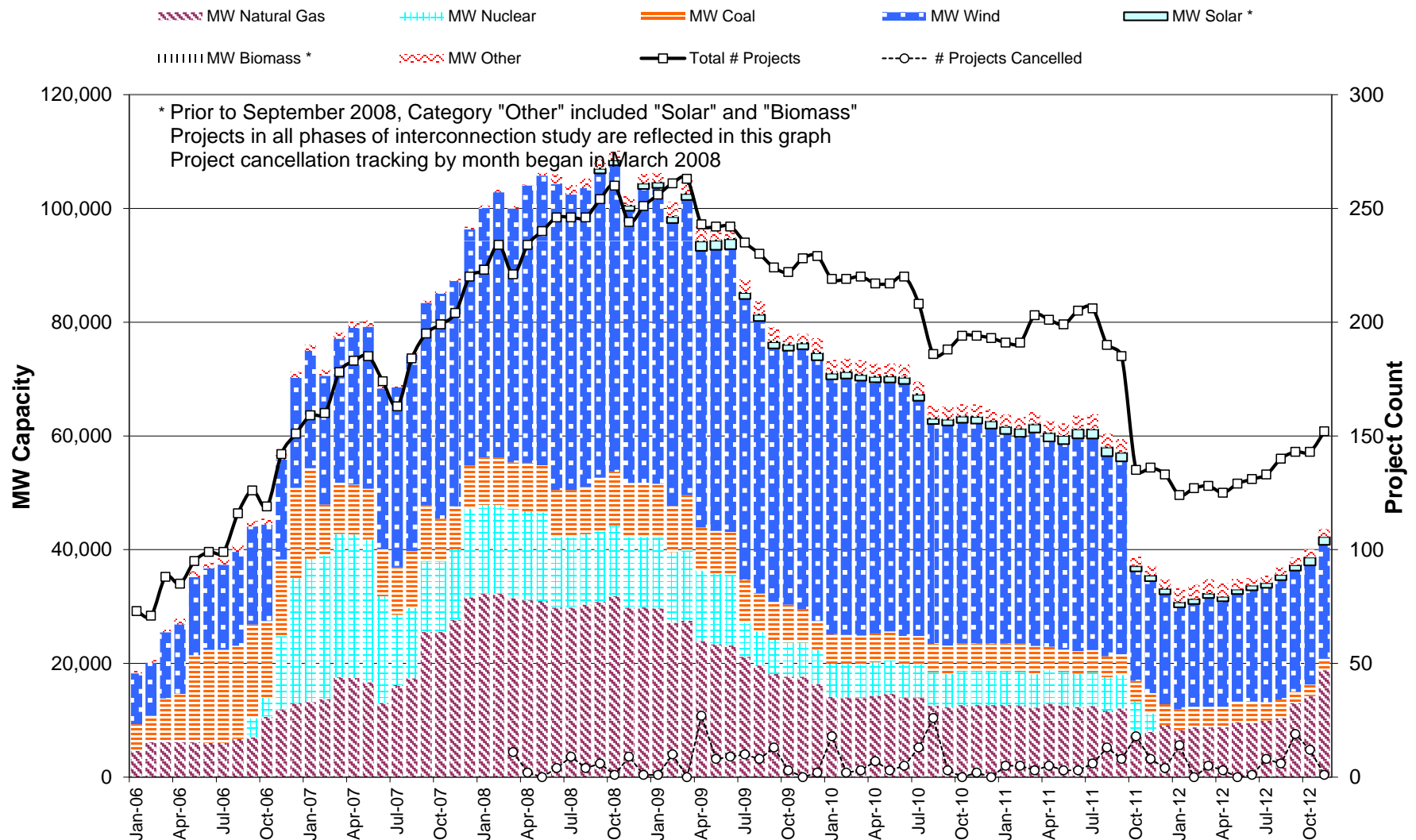




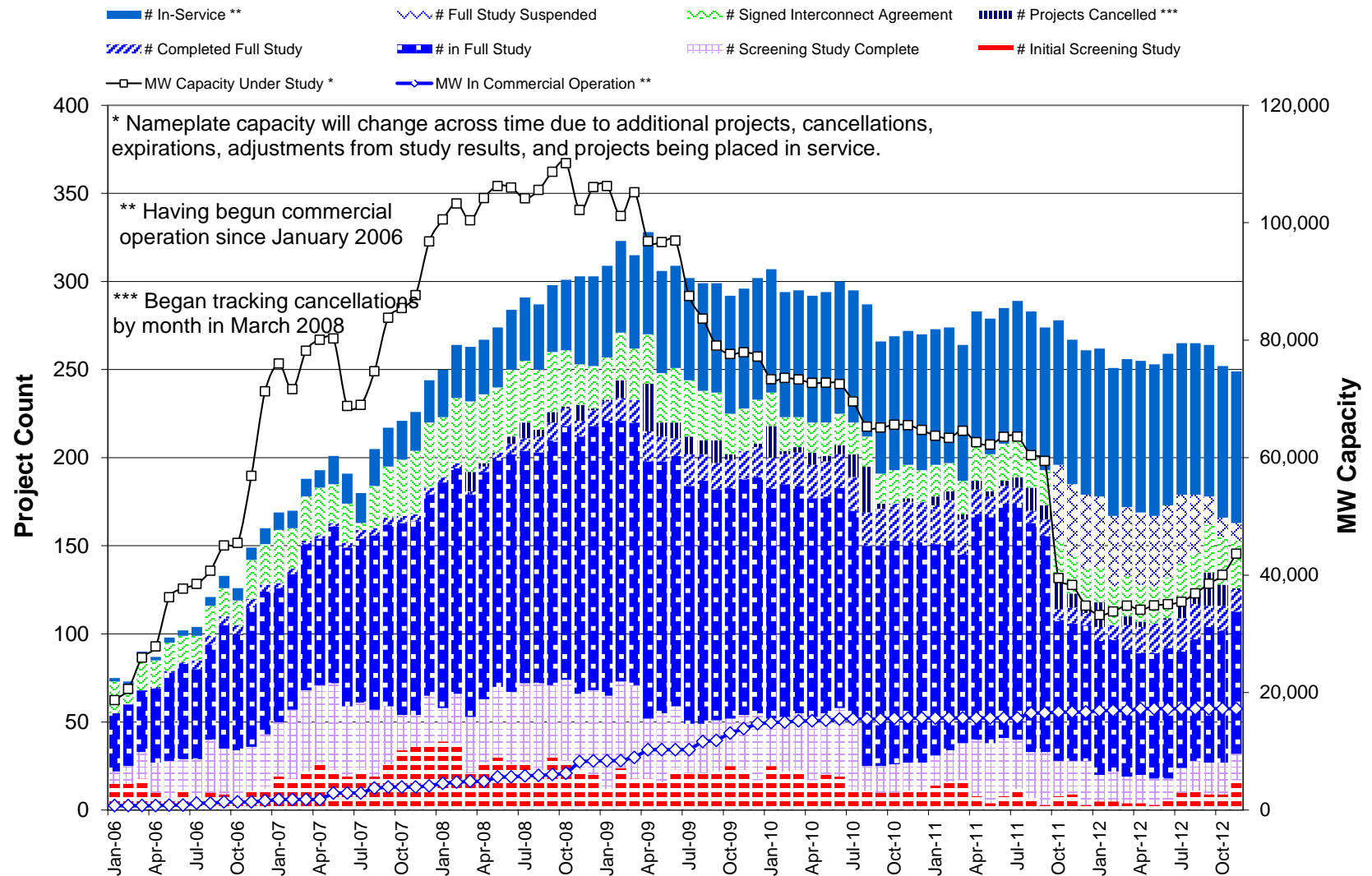
# Wind Generation



# Generation Interconnection Activity by Fuel – November 2012



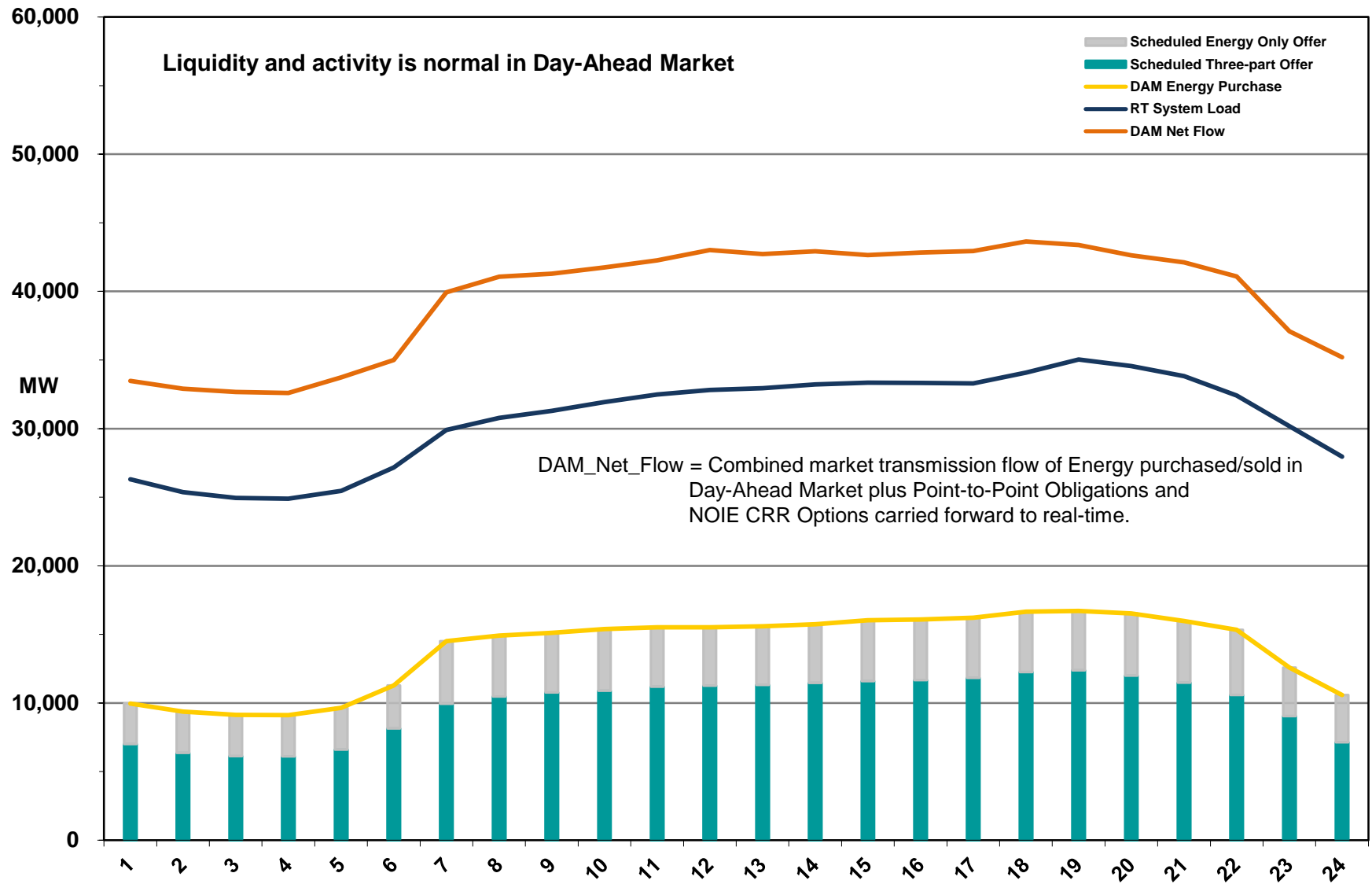
# Generation Interconnection Activity by Project Phase – November 2012





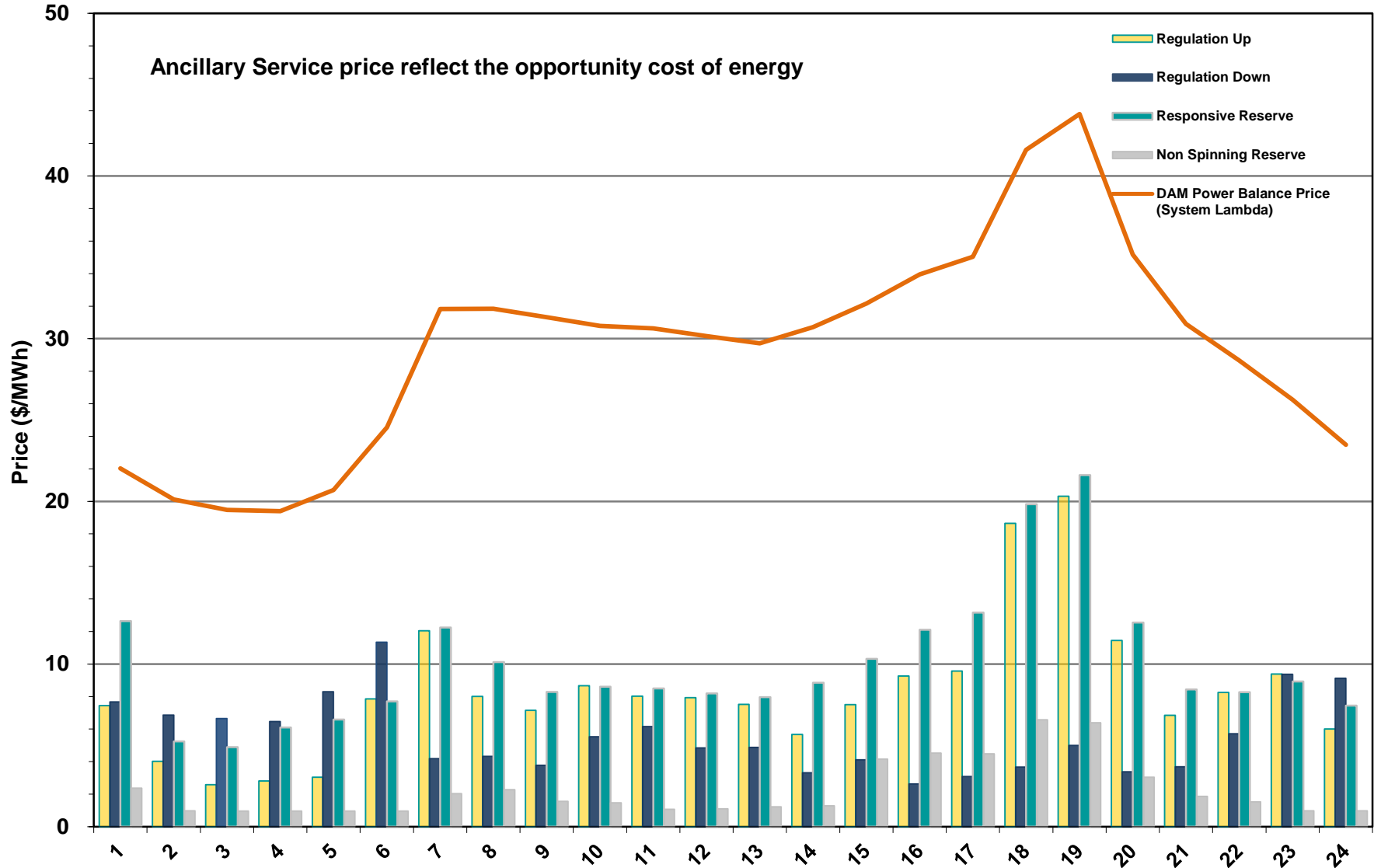
# Market Operations

# Day-Ahead Schedule – November 2012

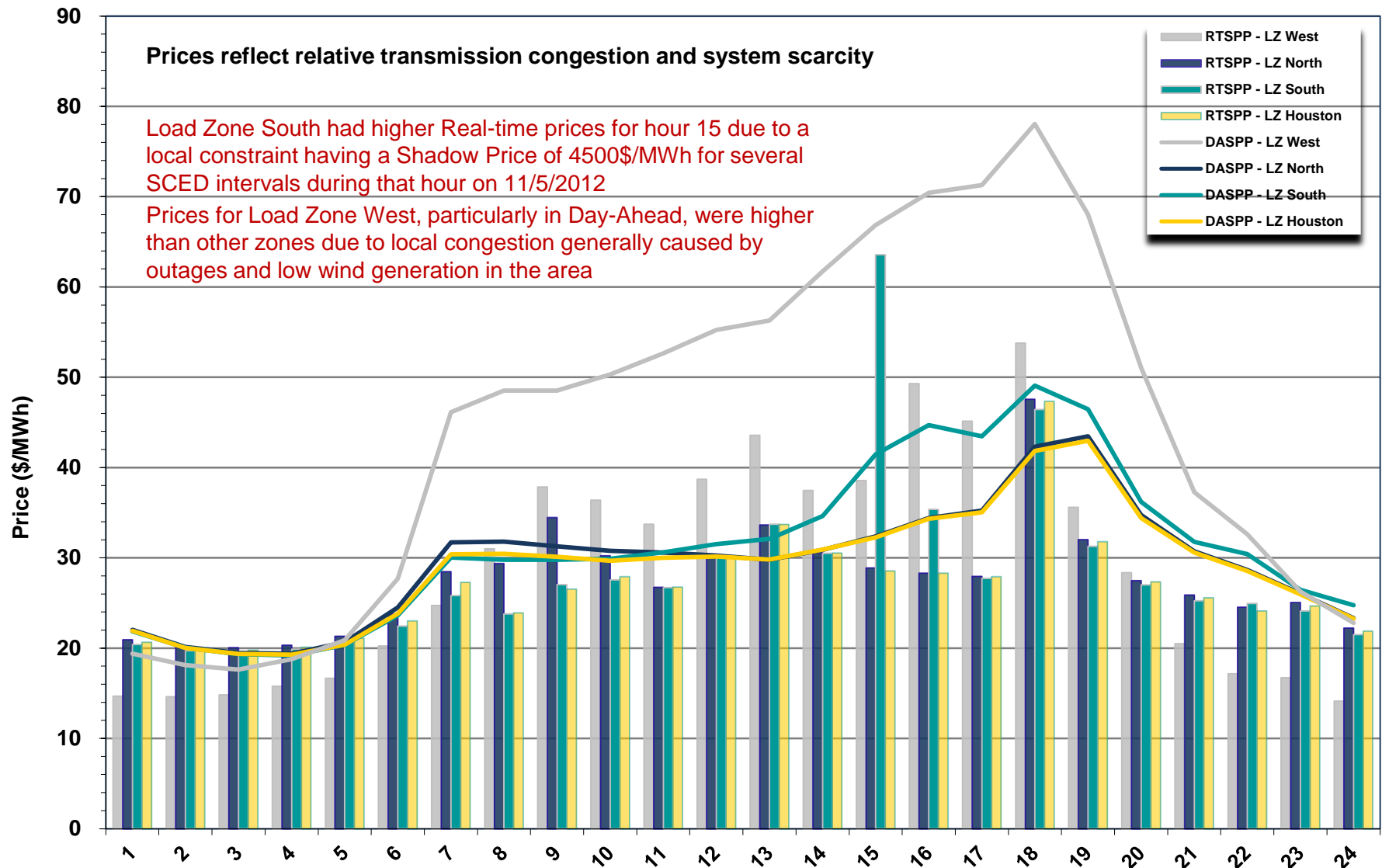


# Day-Ahead Electricity And Ancillary Service Hourly Average Prices

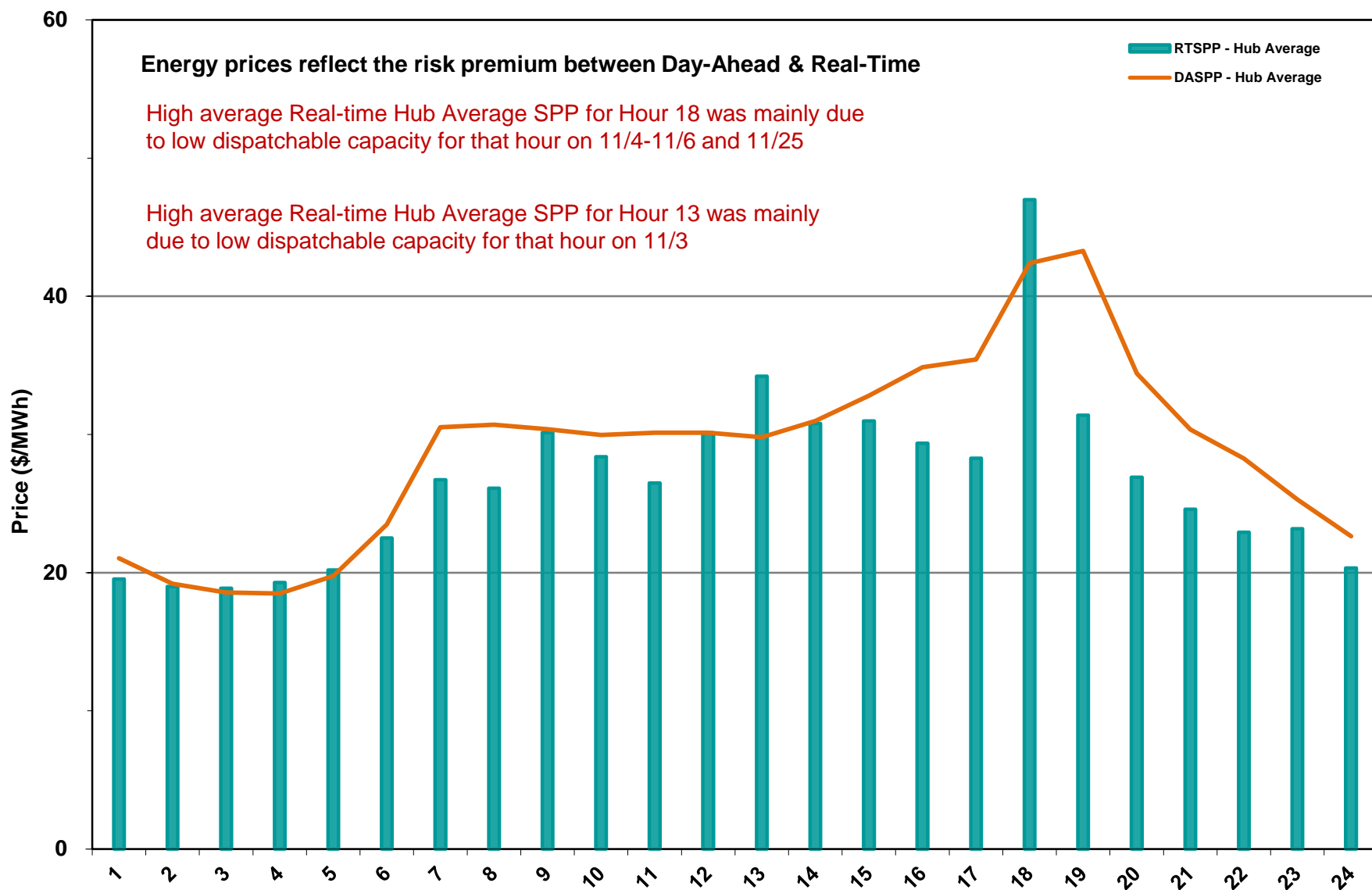
## – November 2012



# Day-Ahead Vs Real-Time Load Zone SPP (Hourly Average) - November 2012

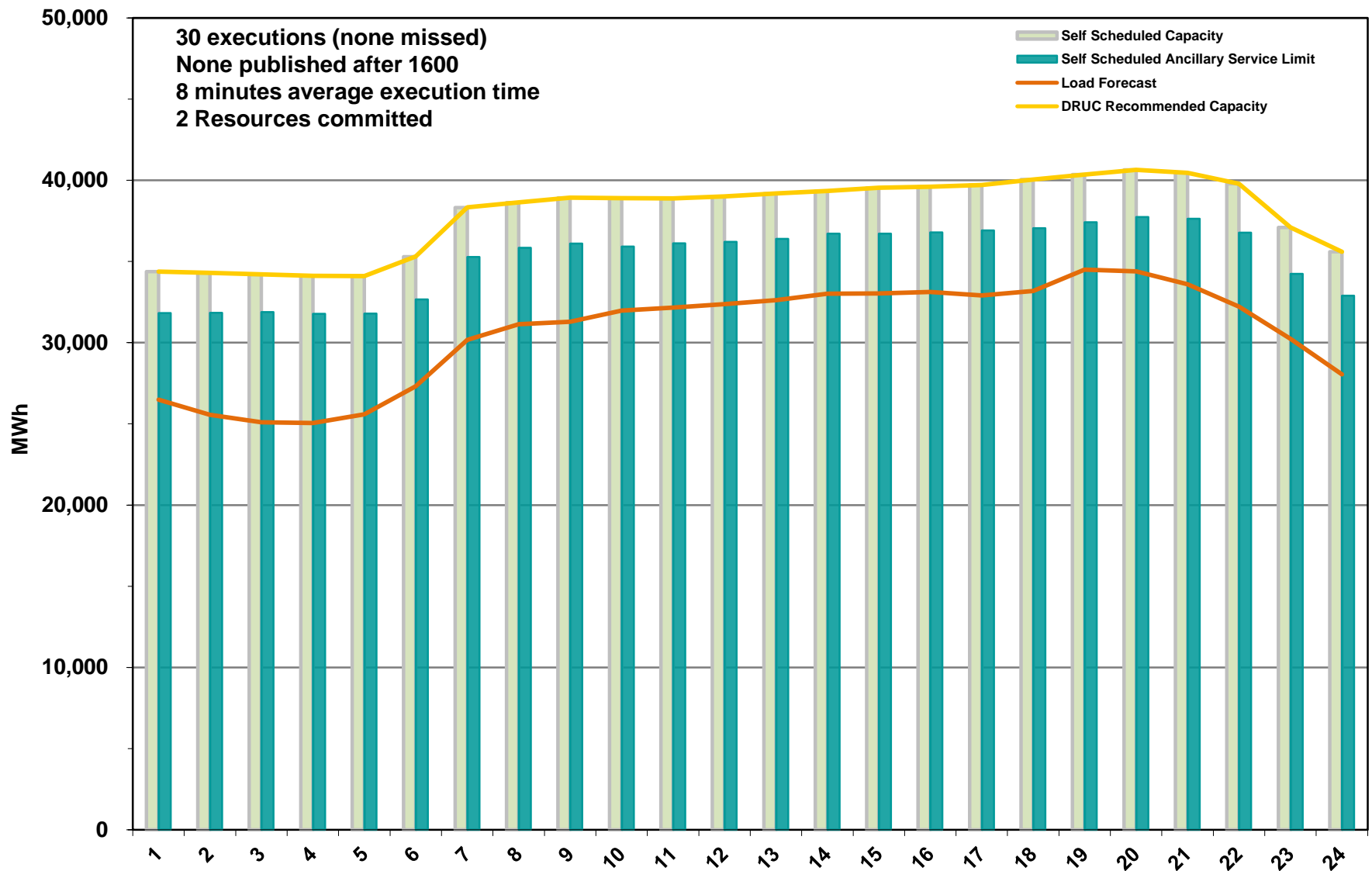


# Day-Ahead Vs Real-Time Hub Average SPP (Hourly Average) - November 2012

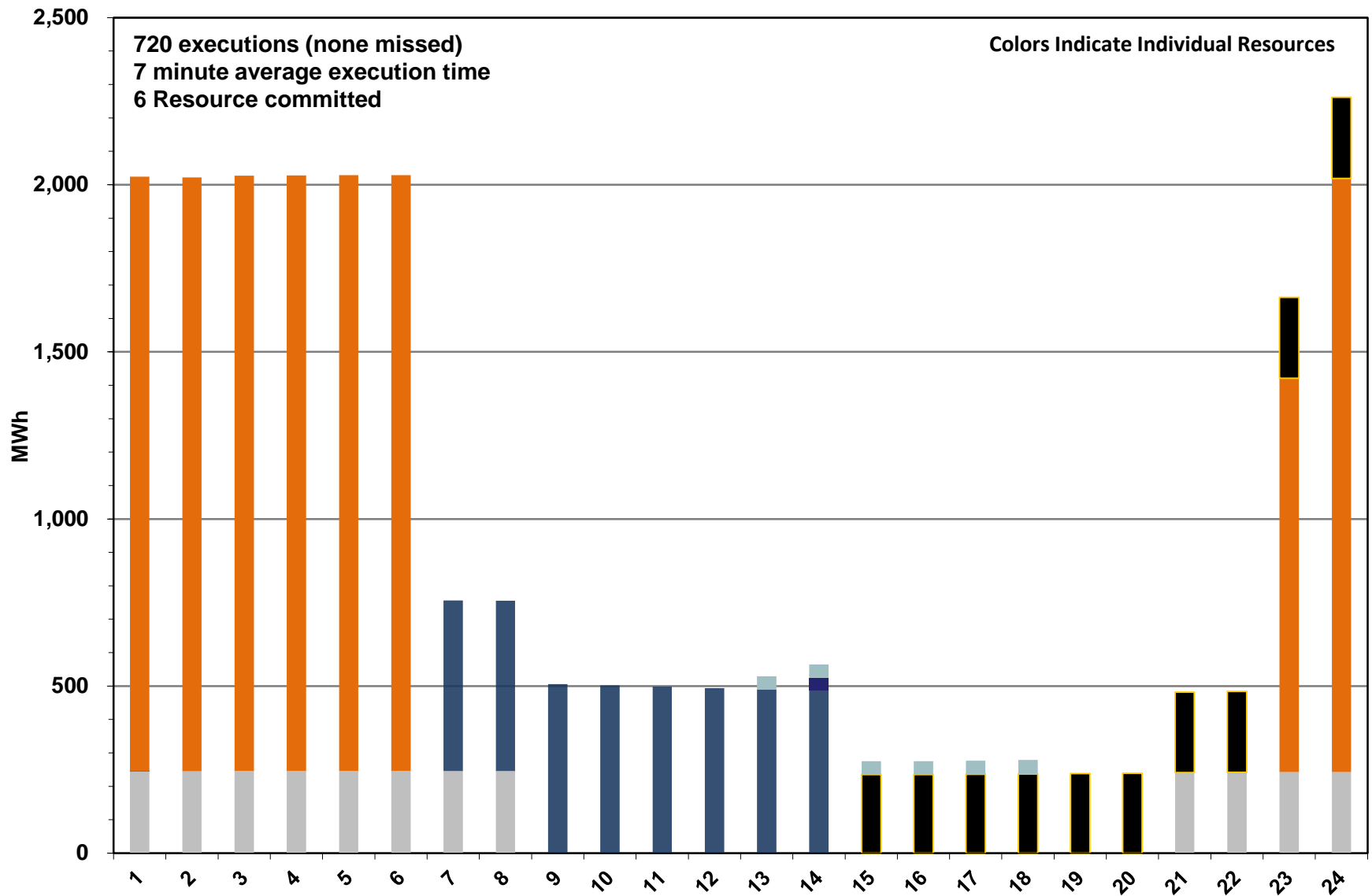




# DRUC Monthly Summary – November 2012



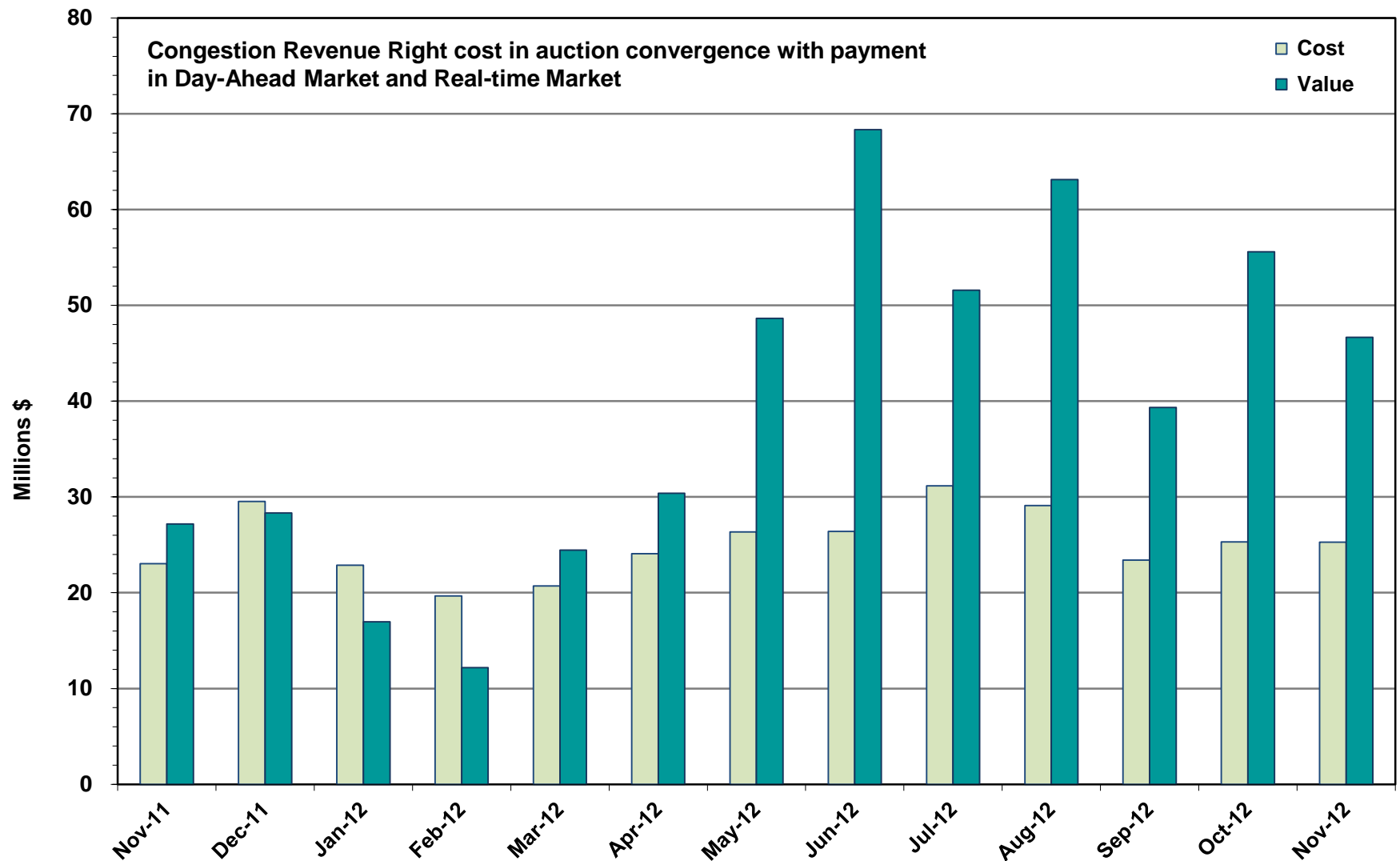
# HRUC Monthly Summary – November 2012



## Non-Spinning Reserve Service Deployments – November 2012

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

# CRR Price Convergence – November 2012



Note: CRR cost for Nov-12 is an estimated value

# ERS Procurement for October 2012 – January 2013

## 10-Minute ERS

	BH1	BH2	BH3	NBH
MW Procured	450.06	447.56	434.31	402.38
Average Price Per MW per Hour <sup>1</sup>	\$8.22	\$8.77	\$9.06	\$8.15

Note: Four ERS Generators procured with an average of 11.12 MW

## 30-Minute ERS Pilot

MW Procured	80.28	82.33	82.00	71.15
Clearing Price <sup>2</sup>	\$8.10	\$9.20	\$9.50	\$8.20

Note: One Residential Aggregation with 347 sites procured

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

<sup>1</sup> Procured on a Pay-As-Offer basis

<sup>2</sup> Procured using a Clearing Price Mechanism

# Reliability Services – November 2012

## Reliability Unit Commitment (RUC)

\$ in Millions

RUC Make-Whole Payments	(\$0.11)
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RUC Clawback Charges	\$0.15
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<b>RUC Commitment Settlement</b>	<b>\$0.04</b>
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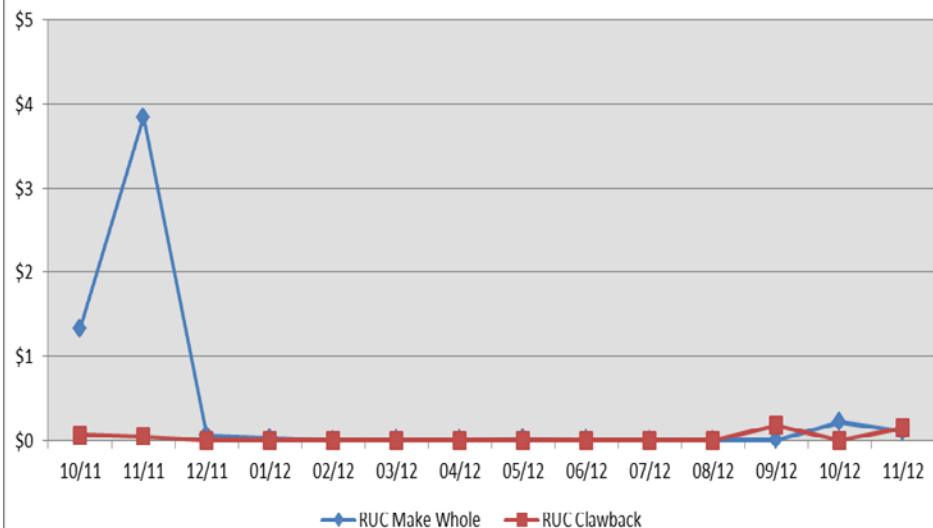
RUC Capacity Short Charges	\$0.11
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RUC Make-Whole Uplift	\$0.00
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<b>RUC Commitment Cost Allocation</b>	<b>\$0.00</b>
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RUC Decommitment Payments	\$0.00
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Reliability Unit Commitment (\$Mil)



RUC Cost continues to trend low.

November 2012 payment was \$0.04M, compared to:

- A charge of \$0.22M in October 2012
- A charge of \$3.8M in November 2011

# Ancillary Services – November 2012

<b>Capacity Services</b>	<b>\$ in Millions</b>
Regulation Up Service	\$3.1
Regulation Down Service	\$1.7
Responsive Reserve Service	\$16.5
Non-Spinning Reserve Service	\$2.0
Black Start Service	\$0.6
Voltage Services - Reactive Power	\$0.0
Voltage Services - Lost Opportunity	\$0.0
<b>Total Capacity Service</b>	<b>\$23.95</b>

Capacity Services costs were consistent with last month, and are more than November 2011.

November 2012 cost was \$23.95M, compared to:

- A charge of \$23.94M in October 2012
- A charge of \$21.74M in November 2011

# Energy Settlement – November 2012

## Day-Ahead Market Energy Settlement

\$ in Millions

Energy Purchases	\$317.36
Point to Point Obligation Purchases	\$31.53
RMR Day-Ahead Revenue	\$0.00
Energy Sales	(\$305.58)
<b>Day-Ahead Congestion Rent</b>	\$43.32
Day-Ahead Market Make-Whole Payments	(\$0.22)

Day-Ahead Market settlement decreased from last month. Real-Time energy settlement decreased from previous month. Decreases are attributable to lower prices.

## Real-Time Market Energy Settlement

\$ in Millions

Energy Imbalance at a Resource Node	(\$361.43)
Energy Imbalance at a Load Zone	\$512.77
Energy Imbalance at a Hub	(\$127.46)
Real Time Congestion from Self Schedules	\$1.25
Block Load Transfers and DC Ties	(\$5.67)
<b>Impact to Revenue Neutrality</b>	\$19.47
Emergency Energy Payments	(\$0.91)
Base Point Deviation Charges	\$0.26
Real-Time Metered Generation (MWh in millions)	22.13



# Congestion Revenue Rights (CRR) – November 2012

<b>Auction Disbursements</b>	<b>\$ in Millions</b>
Annual Auction	(\$10.61)
Monthly Auction	(\$12.24)
<b>Total Auction Revenue</b>	<b>(\$22.85)</b>
Day-Ahead CRR Settlement	(\$47.21)
Day-Ahead CRR Short-Charges	\$5.34
Day-Ahead CRR Short-Charges Refunded	(\$1.59)
Real-Time CRR Settlement	(\$1.42)
Real-Time CRR Short-Charges	\$0.06
Real-Time CRR Short-Charges Refunded	(\$0.02)
<b>Total CRR Proceeds</b>	<b>(\$44.84)</b>
Day-Ahead Point to Point Obligations Settlement	\$31.53
Real-Time Point to Point Obligation Settlement	(\$20.52)
<b>Net Point to Point Obligation Settlement</b>	<b>\$11.01</b>

Congestion Revenue Rights were not fully funded. Excess funds were not available for distribution to load.

Distribution of balancing account funds to load for November 2012 was \$0, compared to:

- \$0 in October 2012
- \$3.16M in November 2011

Point to Point Obligations settled with a net loss of \$11M which can be attributed to lower prices in Real-Time.

# Revenue Neutrality – November 2012

## Revenue Neutrality Settlement

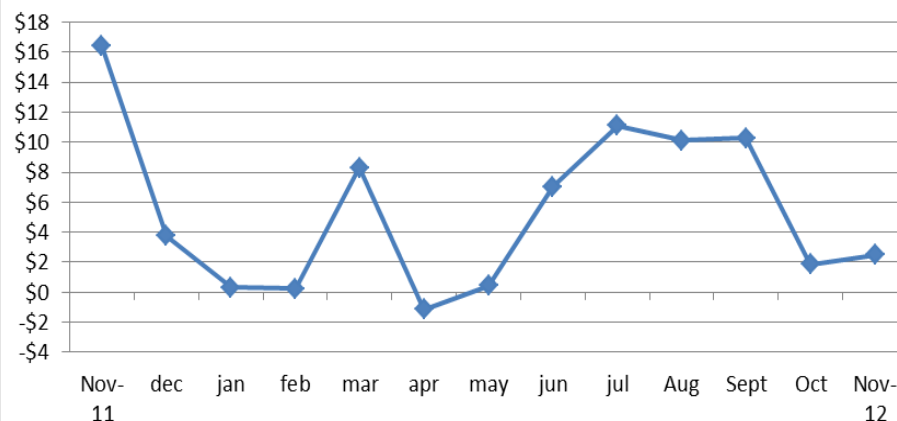
	\$ in Millions
Real-Time Point to Point Obligation Settlement	(\$20.52)
Real-Time Point to Point Options and Options with Refund Settlement	(\$1.42)
Real-Time Energy Imbalance Settlement	\$23.88
Real-Time Congestion from Self-Schedules Settlement	\$1.25
DC Tie & Block Load Transfer Settlement	(\$5.67)
<b>Charge to Load</b>	<b>\$2.48</b>

Revenue Neutrality charges to load increased compared to October 2012.

November 2012 was a charge of \$2.48M, compared to:

- \$1.84M charge in October 2012
- \$16.4M charge in November 2011

Revenue Neutrality Uplift (\$Mil)



# Net Uplift to Load – November 2012

## Market-Based Uplifts

\$ in Millions

CRR Auction Revenue Disbursement Settlement	(\$22.85)
Balancing Account Proceeds Settlement	\$0.00
Net Reliability Unit Commitment Settlement	(\$0.04)
Ancillary Services Settlement	\$23.95
Reliability Must Run Services Settlement	\$0.0
Reliability Must Run for Capacity	\$0.0
Real-Time Revenue Neutrality Settlement	\$2.48
Emergency Energy Settlement	\$0.91
Base Point Deviation Settlement	(\$0.26)

**Total \$4.18**

## Fee Uplifts

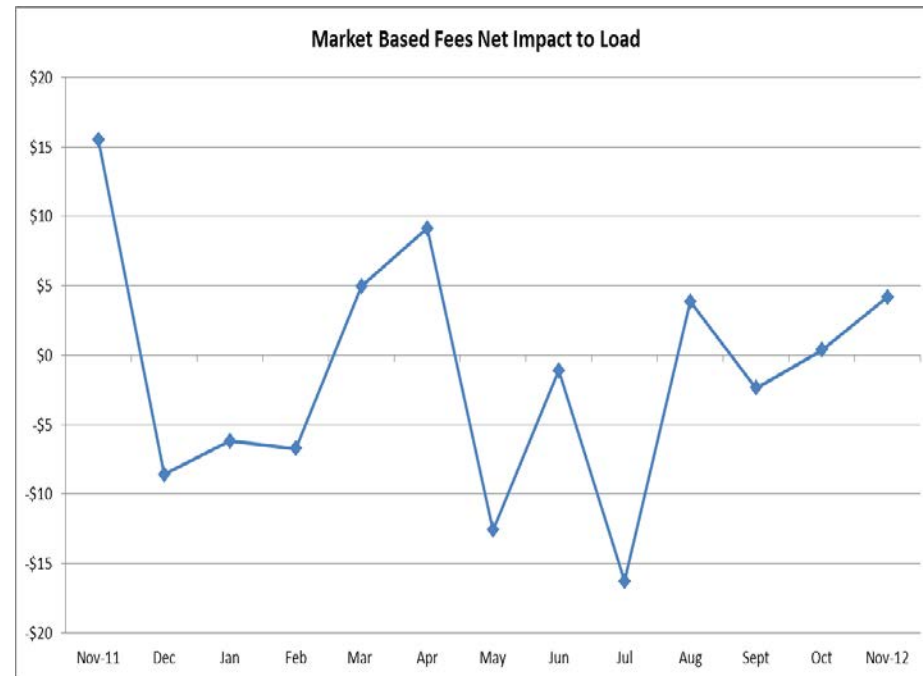
ERCOT Administrative Fee Settlement	\$9.33
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**Net Uplift Charge to Load 13.51**

Net uplift to Load increased over last month, and decreased from November of 2011.

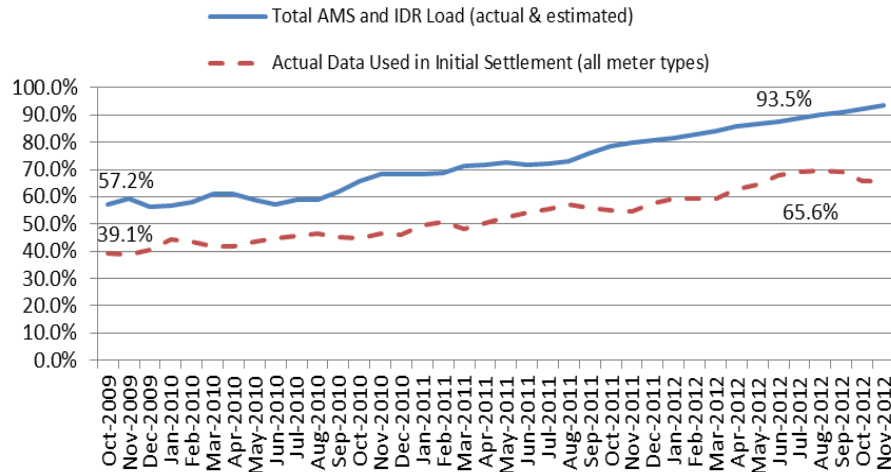
November 2012 was a charge of \$13.5M, compared to:

- A charge of \$10.93M in October 2012
- A charge of \$24.79M in November 2011



# Advanced Meter Settlement Impacts – November 2012

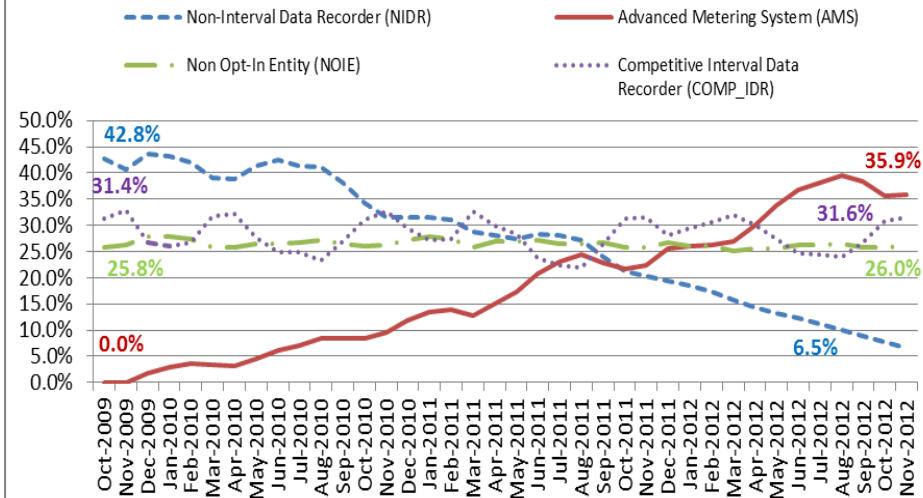
Percent Actual/Percent Interval Data Recorder (IDR)



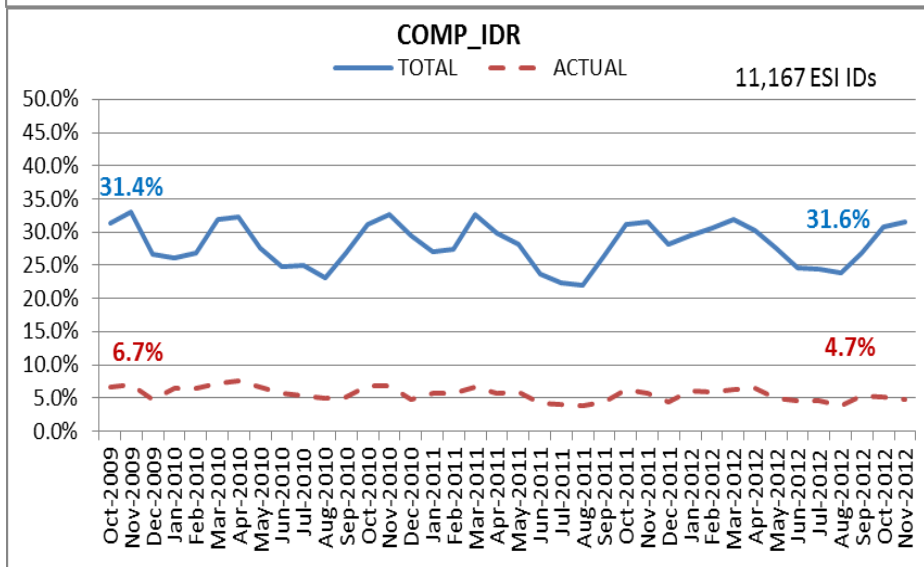
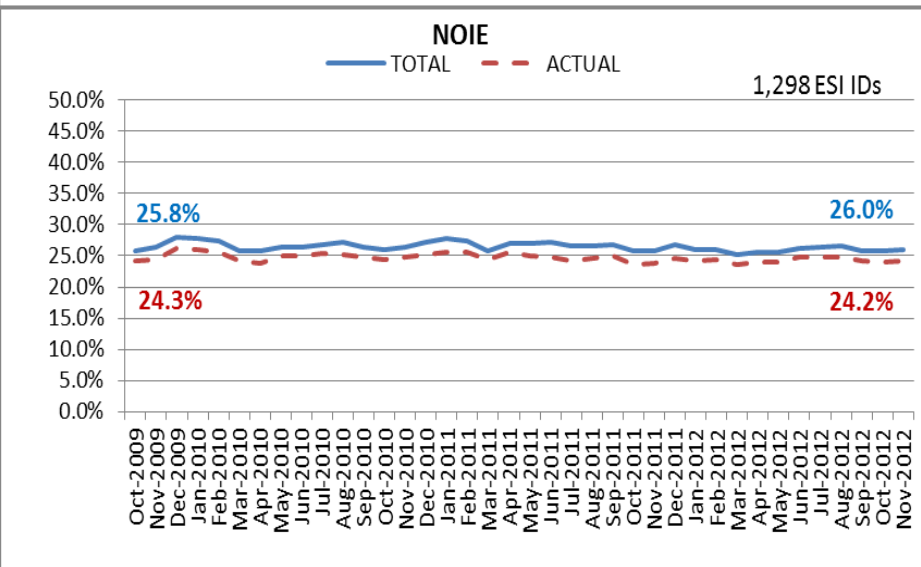
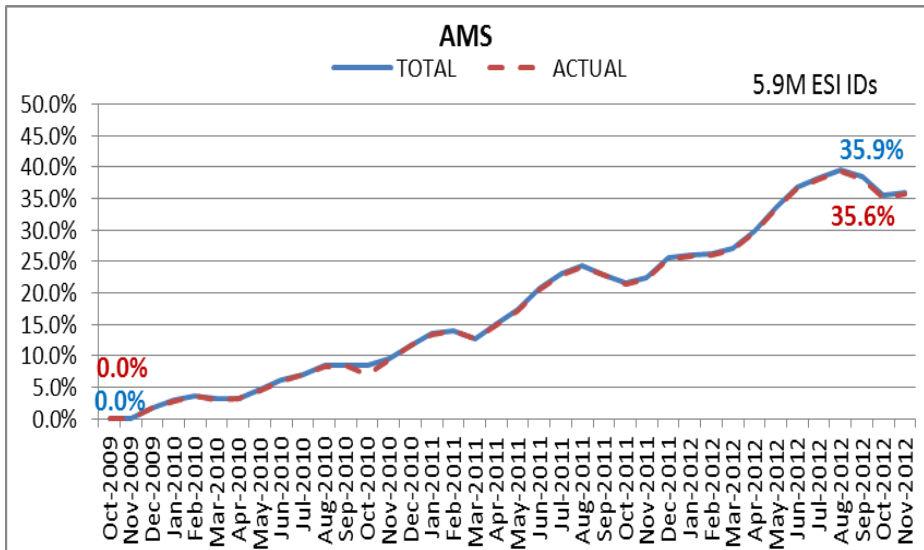
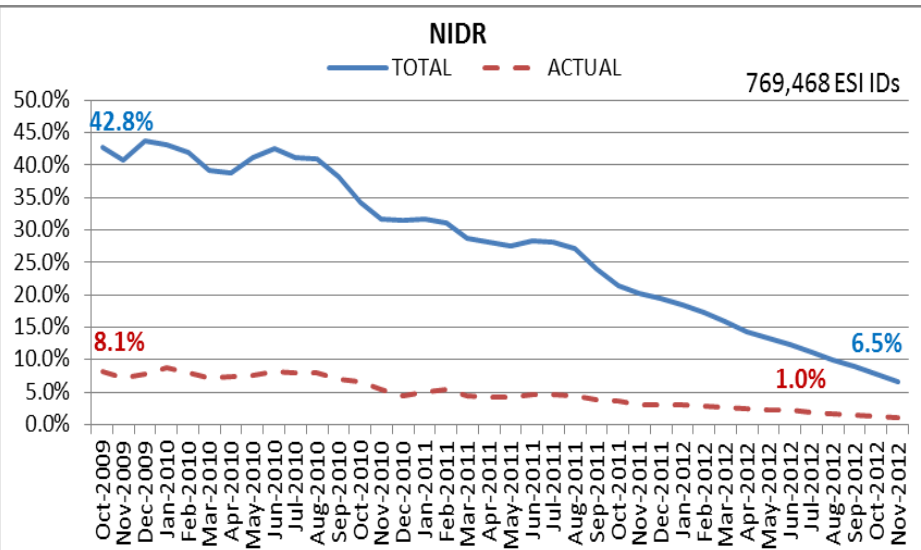
*November 2012: At month end, settling 5.9M ESIIDs using Advanced Meter data.*

*November 2012: 93.5% of the load in ERCOT is settled with 15-min interval data (AMS, Competitive IDR, and NOIE IDR).*

Percent of Load by Meter Type



# ERCOT Wide Load Volumes by Meter Type – INITIAL Settlement – November 2012

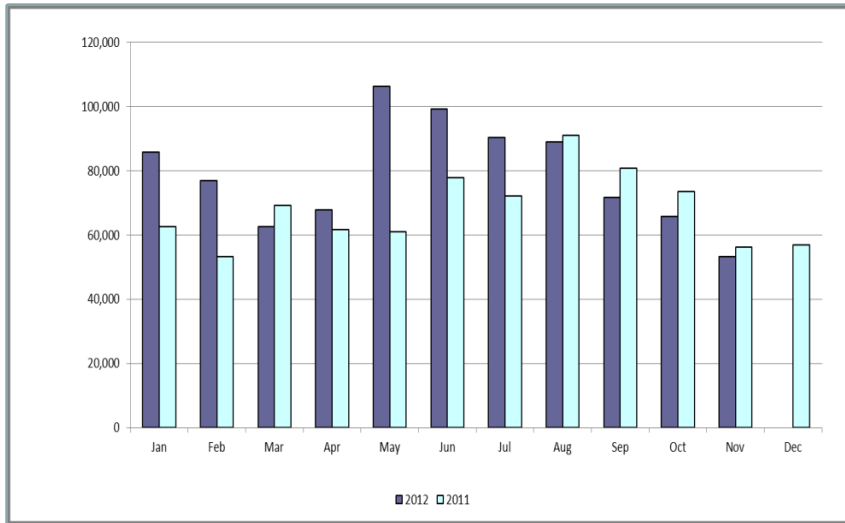


# Retail Transaction Volumes – Summary – November 2012

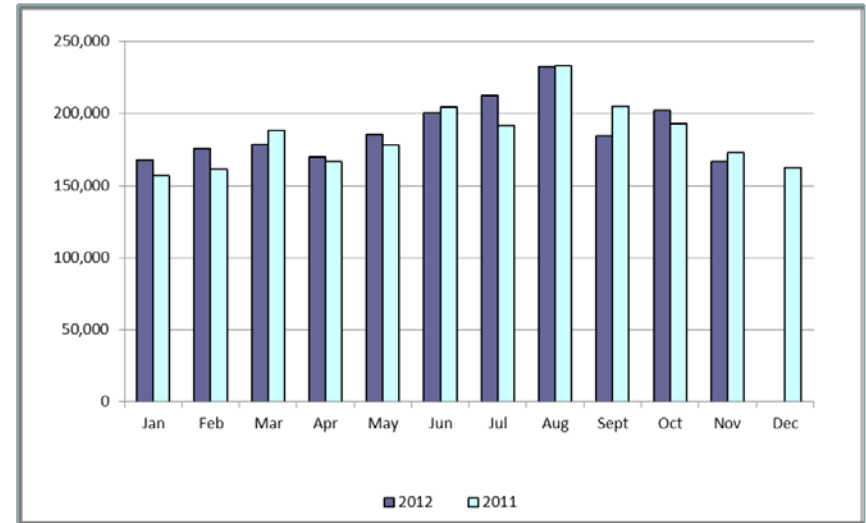
Transaction Type	Year-To-Date		Transactions Completed	
	Nov 2012	Nov 2011	Nov 2012	Nov 2011
Switches	868,655	758,957	53,261	56,233
Move - Ins	2,076,338	2,052,131	166,728	172,862
Move - Outs	1,029,487	1,039,417	84,684	86,319
Continuous Service Agreements (CSA)	653,898	343,205	46,792	36,079
Mass Transitions	5,518	22,056	0	0
<b>Total</b>	<b>4,633,896</b>	<b>4,215,766</b>	<b>351,465</b>	<b>351,493</b>
<b>Total since June 1, 2001</b>	<b>49,558,740</b>			

# Retail Transaction Volumes – Summary – November 2012

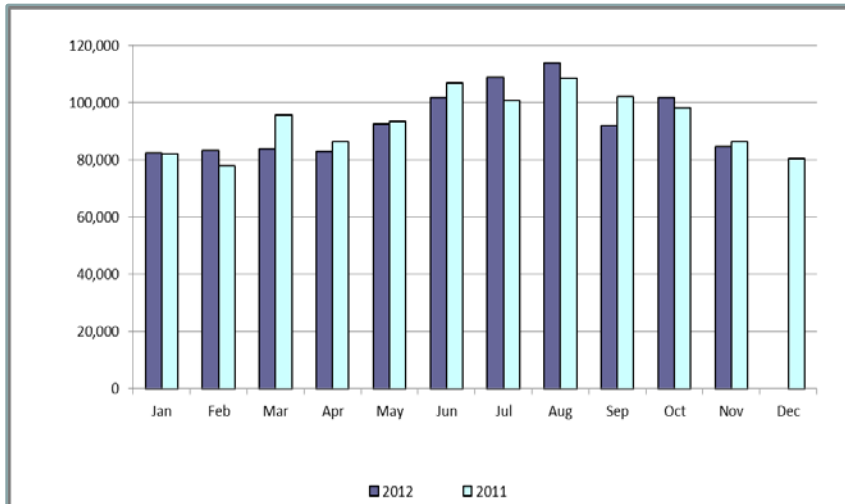
## Switches



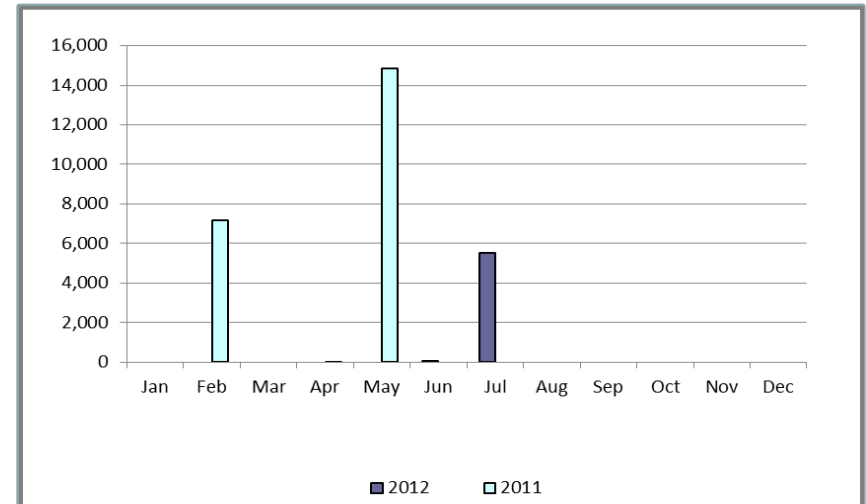
## Move-Ins



## Move-Outs

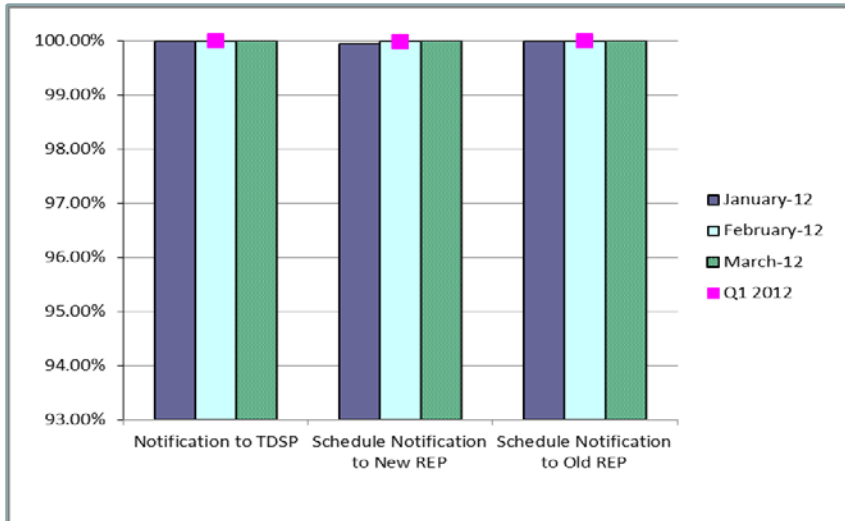


## Mass Transition

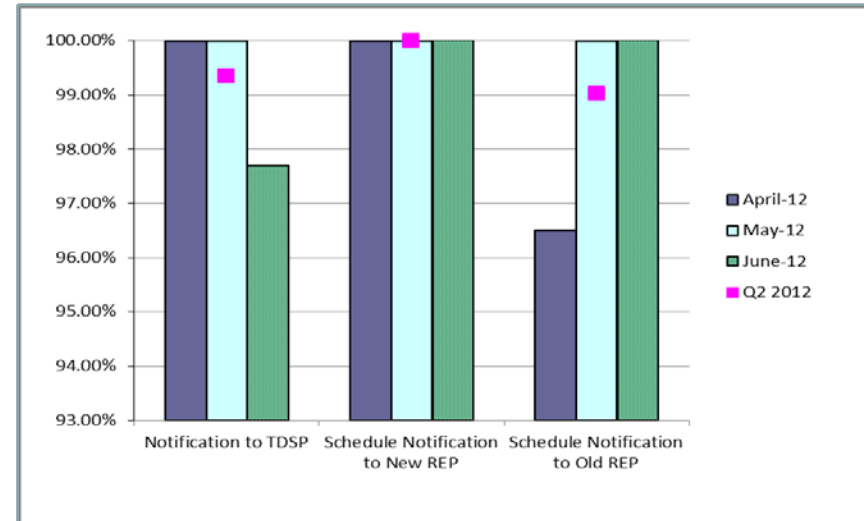


# Retail Performance Measures – Switch – November 2012

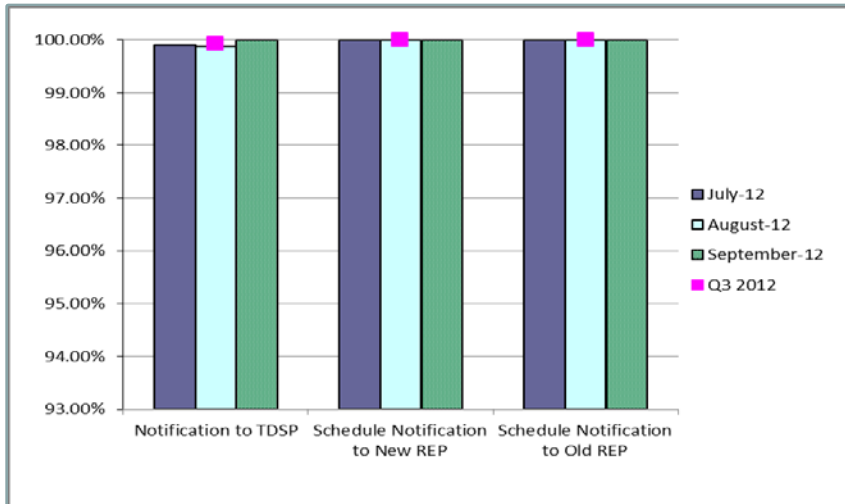
## 1<sup>st</sup> Quarter



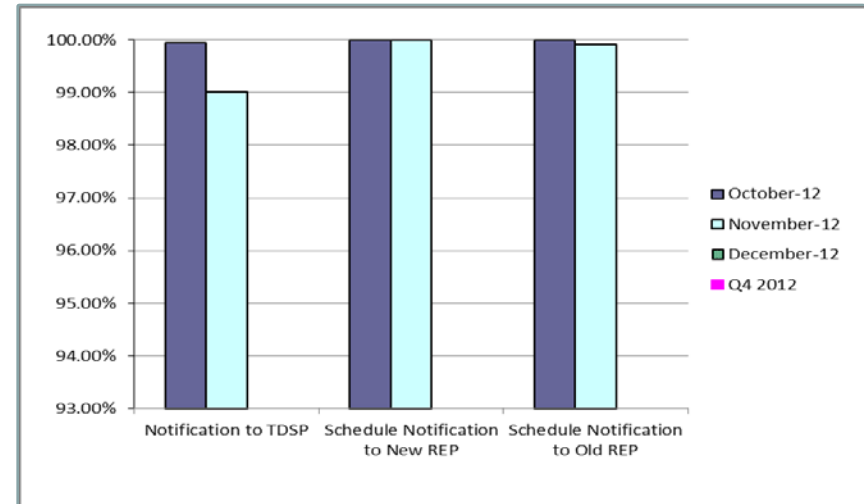
## 2<sup>nd</sup> Quarter



## 3<sup>rd</sup> Quarter



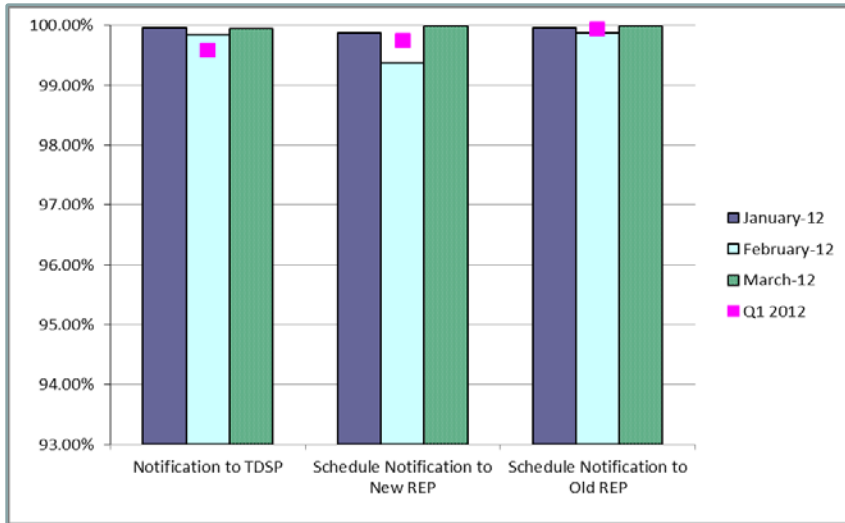
## 4<sup>th</sup> Quarter



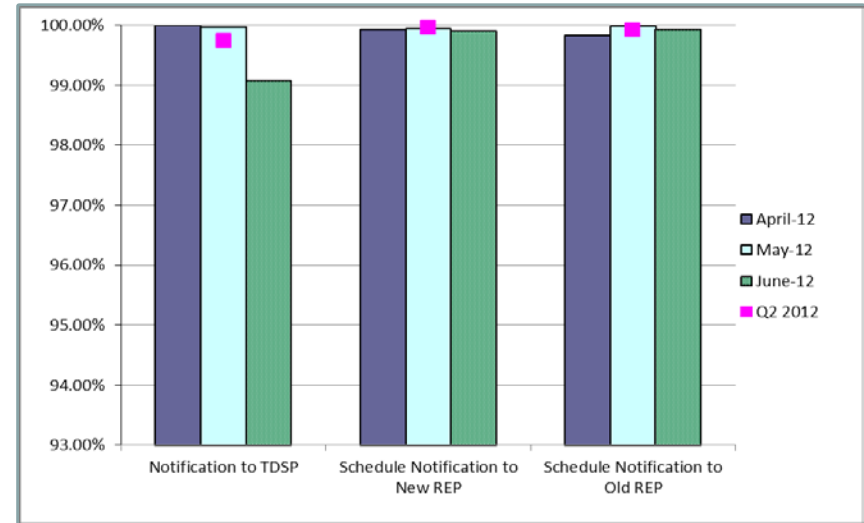


# Retail Performance Measures (Priority Move-In) – November 2012

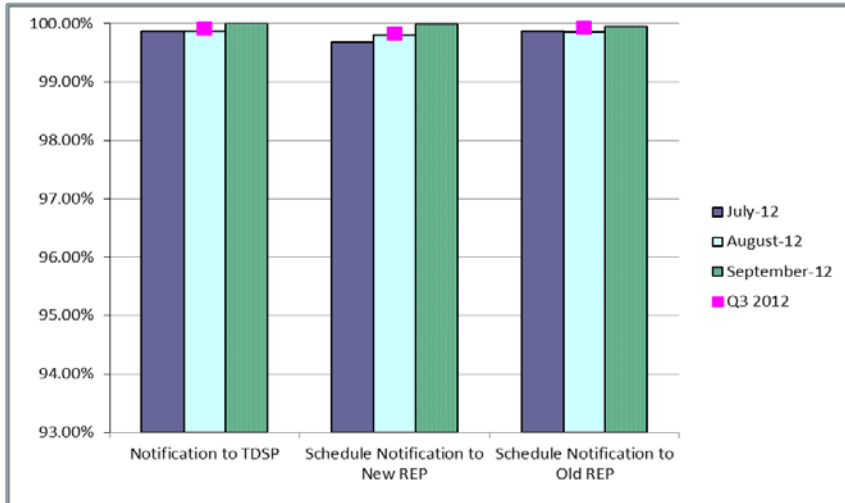
## 1<sup>st</sup> Quarter



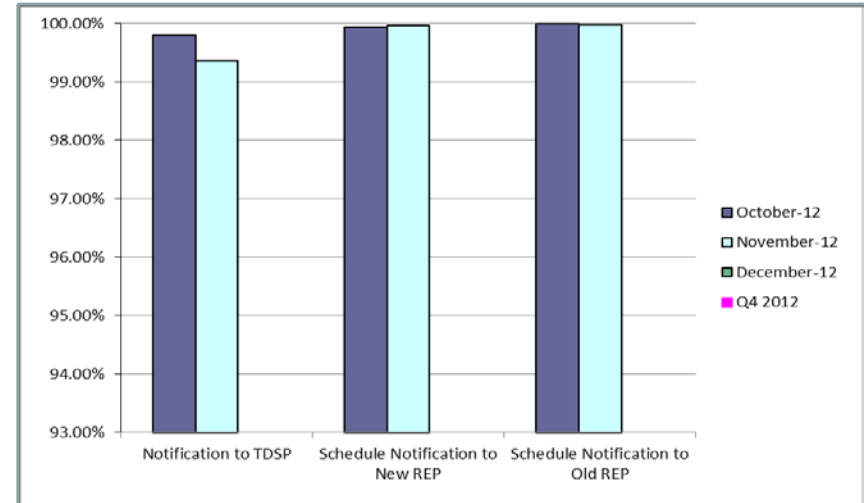
## 2<sup>nd</sup> Quarter



## 3<sup>rd</sup> Quarter

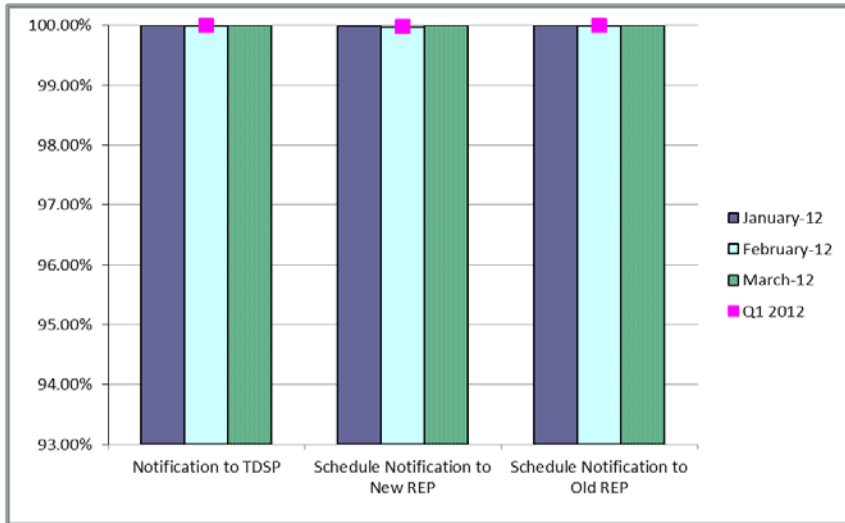


## 4<sup>th</sup> Quarter

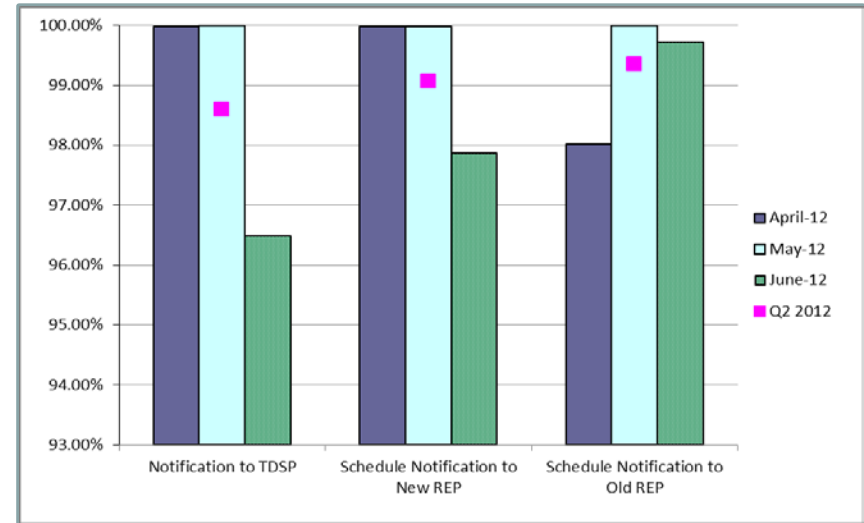


# Retail Performance Measures (Standard Move-In) – November 2012

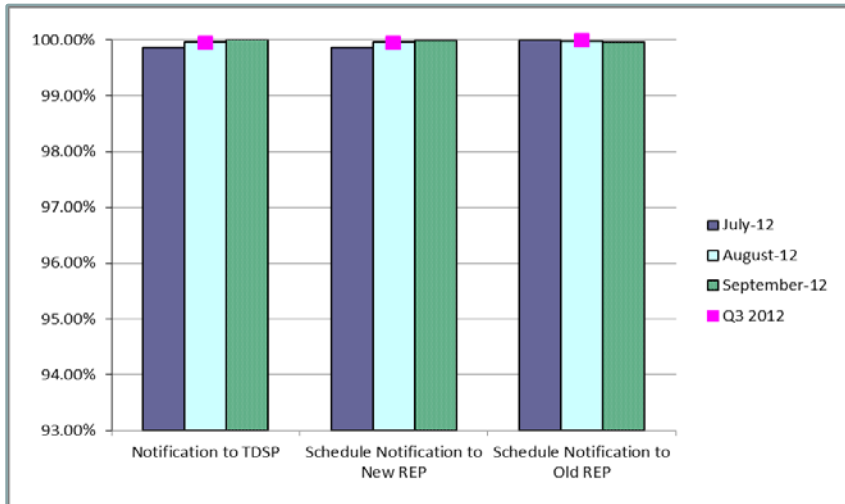
## 1<sup>st</sup> Quarter



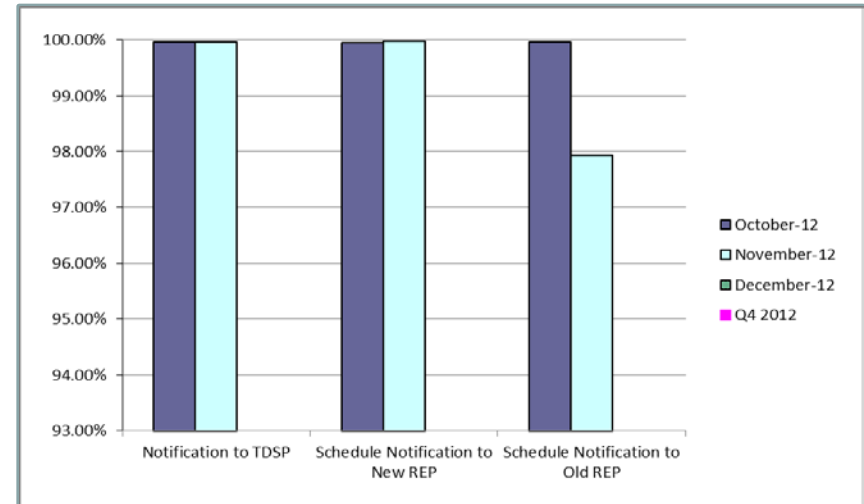
## 2<sup>nd</sup> Quarter



## 3<sup>rd</sup> Quarter



## 4<sup>th</sup> Quarter





# Projects Report

# ERCOT Portfolio Stoplight Report (as of 11/30/2012)

Project Number	Project Name	Phase	Baseline Phase Start	Baseline Phase Finish	Scheduled Phase Finish	Schedule Status	Sum of 2012 Budgets	2012 Forecast Spend	2012 Variance	Sum of Total Budgets	Total Forecast Spend	Total Variance
<b>PROJECTS IN FLIGHT (Count = 42) Sorted by Phase / Project Num</b>							<b>\$ 13,915,070</b>	<b>\$ 11,590,912</b>	<b>16%</b>	<b>\$ 32,191,897</b>	<b>\$ 31,061,146</b>	<b>3%</b>
NPRR327	State Estimator Data Redaction Methodology	Initiation							0%			0%
065-01	NMMS Upgrade	Initiation							28%			0%
010-02	MarkeTrak Upgrade	Planning	9/26/2012	11/27/2012	12/3/2012	2 -9%			4%			0%
047-01	CMS and MIR Replacement	Planning	5/31/2012	12/19/2012	1/17/2013	2 -14%			10%			-1%
052-01	EMS Upgrade	Planning	7/25/2012	1/31/2013	1/29/2013	1%			20%			0%
055-01	Siebel Upgrade 8.x	Planning	8/15/2012	1/11/2013	1/8/2013	2%			9%			0%
057-01	EPS Metering DB Redesign	On Hold	7/5/2012	9/19/2012		10			58%			58%
059-01	Security Information and Event Management (SIEM) Upgrade	Planning	11/21/2012	5/8/2013	5/8/2013	0%			0%			0%
066-01	Planning Site Transition to MIS	Planning	10/10/2012	1/9/2013	1/9/2013	0%			30%			0%
067-01	Physical Security Upgrade	Planning	10/17/2012	1/23/2013	1/16/2013	7%			2%			0%
NPRR463	CRR Auction Structure Enhancements	Planning	9/13/2012	12/12/2012	12/12/2012	0%			34%			0%
006-01	SAGE (System Administrator Gateway Environment)	Execution	5/31/2012	12/5/2012	12/28/2012	2 -12%			1%			1%
009-01	Compliance Software Tool	Execution	12/1/2011	11/30/2012	12/7/2012	1%			1%			8%
014-01	Implementation of NPRR347 and NPRR400	Execution	3/29/2012	12/17/2012	11/23/2012	9%			8 -9%			1%
016-01	ADP-IDM Interface	On Hold	5/23/2012	11/7/2012		10			14%			1%
017-01	Oracle 11g Upgrade	Execution	10/10/2012	8/21/2013	8/20/2013	0%			2%			0%
019-01	ERCOT Website Enhancements - 2012	Execution	3/8/2012	12/26/2012	2/20/2013	2 -19%			-1%			-1%
020-01	CIM Upgrade for NMMS	Execution	6/14/2012	1/9/2013	1/9/2013	0%			15%			15%
021-01	Incremental Update Capability - Phase 1	Execution	3/23/2012	1/2/2013	1/2/2013	0%			60%			15%
029-01	Capital Efficiencies and Enhancements	Execution	1/1/2012	12/31/2012	12/31/2012	0%			1%			1%
030-01	ITRON Load Forecast	Execution	6/27/2012	11/21/2012	1/14/2013	8 -36%			3%			3%
038-01	Macomber Map NERC SA/Compliance Enhancements	Execution	9/19/2012	2/28/2013	1/29/2013	18%			6%			3%
042-01	CRR Upgrade to v12.3	Execution	5/16/2012	2/18/2013	3/15/2013	2 -8%			42%			-2%
043-01	Met Center Lease Reconfiguration	Execution	9/12/2012	12/19/2012	12/19/2012	0%			1%			1%
045-01	UC4 (AppWorx) Automation Upgrade v8	Execution	6/27/2012	11/9/2012	11/15/2012	-4%			36%			36%
046-01	MAI Conversion to IGRID	Execution	8/2/2012	12/31/2012	12/28/2012	1%			9%			9%
048-01	TSAT Wind Model	Execution	8/16/2012	5/31/2013	5/28/2013	1%			9%			0%
049-01	Contingency Functionality Enhmt.	Execution	7/12/2012	11/28/2012	11/28/2012	0%			38%			0%
10052_01	Settlement System Upgrade	Execution	1/25/2012	12/30/2014	12/30/2014	0%			37%			4%
2012 PC	Program Control Project	Execution	1/1/2012	12/31/2012	12/31/2012	0%			30%			30%
90006_02	Information Lifecycle Mgmt - Mkt Systems, Archive, Reporting	Execution	4/22/2011	12/4/2013	12/9/2013	0%			53%			9%
99912	Minor Cap - Critical - 2012	Execution	1/1/2012	12/31/2012	12/31/2012	0%			-1%			-1%
NPRR260	Providing Access to MIS Secure Area to MIS Registered Users	Execution	10/3/2012	1/9/2013	1/9/2013	0%			12%			0%
NPRR313	Updating the Term Resource Plan to Current Operating Plan / Availability Plan	Execution	8/22/2012	2/28/2013	12/21/2012	36%			31%			31%
NPRR322	Real-Time PTP Option Modeling	Execution	8/1/2012	12/15/2012	12/14/2012	0%			7%			7%
NPRR365	Change in Resource Outage Approvals from Eight to 45 Days	Execution	6/1/2012	11/21/2012	11/28/2012	-4%			0%			0%
NPRR377	Alternate Inputs to Base Point Deviation Charge	Execution	9/26/2012	12/28/2012	12/28/2012	0%			0%			1%
NPRR397	Balance of the Day Ancillary Service Market	Execution	9/19/2012	12/21/2012	12/21/2012	0%			30%			30%
NPRR407	Credit Monitoring Posting Requirements - MMS/CDR Portion	Execution	9/19/2012	12/21/2012	12/21/2012	0%			8 -20%			0%
NPRR469	Modifications to CCTs	Execution	9/19/2012	12/21/2012	12/21/2012	0%			62%			62%
SCR760	Recommended Changes Needed for Information Model Mgr and Topology Processor for Planning Models	Execution	8/25/2011	7/31/2013	7/31/2013	0%			8%			4%
SCR768	Automatic Non-Spin Redeployment and Deployment Based on Resource Availability	Execution	9/19/2012	12/21/2012	12/21/2012	0%			29%			0%

# ERCOT Portfolio Stoplight Report (as of 11/30/2012)

Project Number	Project Name	Phase	Baseline Phase Start	Baseline Phase Finish	Scheduled Phase Finish	Schedule Status	Sum of 2012 Budgets	2012 Forecast Spend	2012 Variance	Sum of Total Budgets	Total Forecast Spend	Total Variance
<b>PROJECTS NOT YET STARTED (Count = 15)</b>			<b>Sorted by Forecast Start Date</b>				<b>\$ 525,000</b>	<b>\$ 25,000</b>		<b>\$ 2,644,936</b>	<b>\$ 2,144,936</b>	
NPRR416	Removal of the RUC Clawback Charge for Resources Other than RMR Units	Not Started	Nov 2012									
NPRR272	Definition and Participation of Quick Start Generation Resources	Not Started	Dec 2012									
NPRR393	SCED Constraint Management Transparency	Not Started	Dec 2012									
NPRR425	Creation of a WGR Group for GREDP and Base Point Deviation Evaluation	Not Started	Dec 2012									
TBD	MP Online Data Entry - Ph 1	Not Started	Dec 2012									
TBD	Data Center Growth & Asset Replacement - 2012	Not Started	Jan 2012									
NOGRR093	Synchronization with NPRR365	Not Started	Jan 2013									
NPRR207	Unit Deselection	Not Started	Apr 2013									
NPRR439	Updating a Counter-Party's Available Credit Limit for Current Day DAM	Not Started	Dec 2012									
NPRR457	Daily Update of New ESI IDs and AMS Meter and Switch Hold Indicators Changes	Not Started	Dec 2012									
TBD	Operator Data Display	Not Started	Jan 2013									
TBD	Secure File Transfer	Not Started	Jan 2013									
NOGRR084	Daily Grid Operations Summary Report	Not Started	Feb 2013									
NPRR419	Revise Real Time Energy Imbalance and RMR Adjustment Charge	Not Started	Jul 2013									
SCR771	ERCOT System Change Allowing Independent Master QSE to Represent Split Generation Resources	Not Started	Mar 2013									

# ERCOT Portfolio Spotlight Report (as of 11/30/2012)

Project Number	Project Name	Phase	Baseline Phase Start	Baseline Phase Finish	Scheduled Phase Finish	Schedule Status	Sum of 2012 Budgets	2012 Forecast Spend	2012 Variance	Sum of Total Budgets	Total Forecast Spend	Total Variance
<b>PROJECTS COMPLETED IN 2012 (Count = 34) Sorted by Project</b>			Dates below are final Execution phase dates				\$ 4,058,751	\$ 4,686,867	-15%	\$ 51,626,355	\$ 50,076,981	3%
NPRR357	Revisions to Collateral Requirements Concerning CRR Auctions	Complete	4/19/2012	10/17/2012	10/17/2012	0%			0%			0%
037-01	SMTNET Improvements	Complete	6/20/2012	9/29/2012	9/28/2012	0%			1%			1%
NPRR351	SCED Look-Ahead Step 1: Pricing	Complete	1/25/2012	7/31/2012	7/30/2012	0%			29%			41%
11000_01	Data Center Buildout	Complete	1/3/2011	1/31/2012	1/30/2012	0%			9	-115%		1%
001_47	RARF Upgrade for Wind, Solar, and Storage Resources	Complete	9/7/2011	4/30/2012	6/29/2012	2	-25%		7%		2	-48%
004_01	Secure Remote Access Management (SRAM)	Complete	12/5/2011	3/7/2012	3/7/2012	0%			6	-167%		8%
005_01	Endpoint Security Phase 1	Complete	12/15/2011	4/25/2012	5/8/2012	2	-9%		8	-28%		12%
007_01	Taylor Facility Remodel	Complete	9/14/2011	1/15/2012	1/25/2012	2	-8%		6	-999%		6%
010-01	MarkeTrak Enhancements for 4.0	Complete	10/26/2011	7/27/2012	7/6/2012	7%			5	-7%		1%
011-01	ERCOT Mobile	Complete	3/29/2012	8/8/2012	8/8/2012	0%				9%		0%
013_01	MMS 2012 Release 1: NPRR321/NPRR326/NPRR355	Complete	12/14/2011	2/23/2012	2/23/2012	0%			4%			5%
015_01	Outage Capacity Calculation Tool	Complete	1/4/2012	4/30/2012	4/30/2012	0%			-1%			0%
023_01	Quality Training Database	Complete	2/22/2012	5/30/2012	5/31/2012	-1%			10%			10%
025_43	EDW Platform Transition	Complete	2/15/2012	4/30/2012	4/30/2012	0%			22%			7%
025_52	HP Overview Upgrade	Complete	11/1/2011	12/29/2011	4/1/2012	3	-162%		100%			0%
040-01	Lawson Upgrade to 9.0.1	Complete	4/18/2012	8/22/2012	8/22/2012	0%			100%			100%
11002_01	Texas SET 4.0	Complete	7/6/2011	7/13/2012	7/13/2012	0%			7	-36%		6%
NPRR314	Requirement to Post Generation Resources Temporal Constraints	Complete	3/5/2012	4/29/2012	4/27/2012	3%			27%			27%
NPRR348	Generation Resource Start-Up and Shut-Down Process	Complete	3/29/2012	9/26/2012	9/26/2012	0%			31%			31%
NPRR354	Revisions to Non-Spin Performance Criteria Language and Provision for ICCP Telemetry of Non-Spin Deployment	Complete	3/29/2012	8/4/2012	8/16/2012	8	-9%		37%			37%
NPRR359	Monthly TDSP Load Report	Complete	3/1/2012	5/2/2012	5/4/2012	-3%			5%			5%
NPRR360	Summary Report of HDL and LDL	Complete	4/18/2012	7/11/2012	7/11/2012	0%			21%			21%
NPRR361	Real-Time Wind Power Production Data Transparency	Complete	1/11/2012	5/3/2012	5/2/2012	0%			1	-122%	1	-122%
NPRR379	EILS Dispatch Sequence and Performance Criteria Upgrades	Complete	4/16/2012	6/26/2012	6/29/2012	-4%			9%			9%
NPRR382	Verbal RUC Committed or Decommitted Resources Report	Complete	5/30/2012	9/19/2012	9/11/2012	7%			25%			25%
NPRR383	Unconfirmed Trades Reports	Complete	6/20/2012	9/14/2012	9/14/2012	0%			22%			22%
NPRR395	CRR Auction Offer Award Disclosure	Complete	2/29/2012	4/25/2012	4/27/2012	-3%			6%			6%
NPRR422	Public DAM Shift Factors	Complete	7/2/2012	8/29/2012	8/29/2012	0%			0%			0%
NPRR434	Increase the Capacity Limitation of a Generation Resource Providing RRS	Complete	3/7/2012	6/1/2012	5/2/2012	34%			63%			63%
NPRR437	Allow Aggregation of Multiple Generators Into A Single Resource For Mkt & Eng Modeling	Complete	3/29/2012	7/4/2012	7/4/2012	0%			13%			13%
NPRR442	Energy Offer Curve Requirement for Generation Resources Providing Reliability Must-Run Service	Complete	7/2/2012	8/29/2012	8/29/2012	0%			53%			53%
SCR761	Provide Price Republication Notifications via API and Provide Price Corrections via XML	Complete	10/5/2011	3/2/2012	2/28/2012	2%			5	-362%	1	-26%
SCR764	Public Access to Select MIS Dashboards	Complete	7/24/2011	12/9/2011	2/28/2012	1	-58%		5	-7%		-1%
026_01	Support for New Resource Types in ERCOT Systems	Canceled	1/4/2012	8/1/2012	6/11/2012	24%			27%			27%



# ERCOT Portfolio Stoplight Report (as of 11/30/2012)

## SUMMARY

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