

MIS Portal “Paper Prototype”

ERCOT MIS Portal Project – Prototype 1

Version 2.0

February 20, 2007

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About This Document:

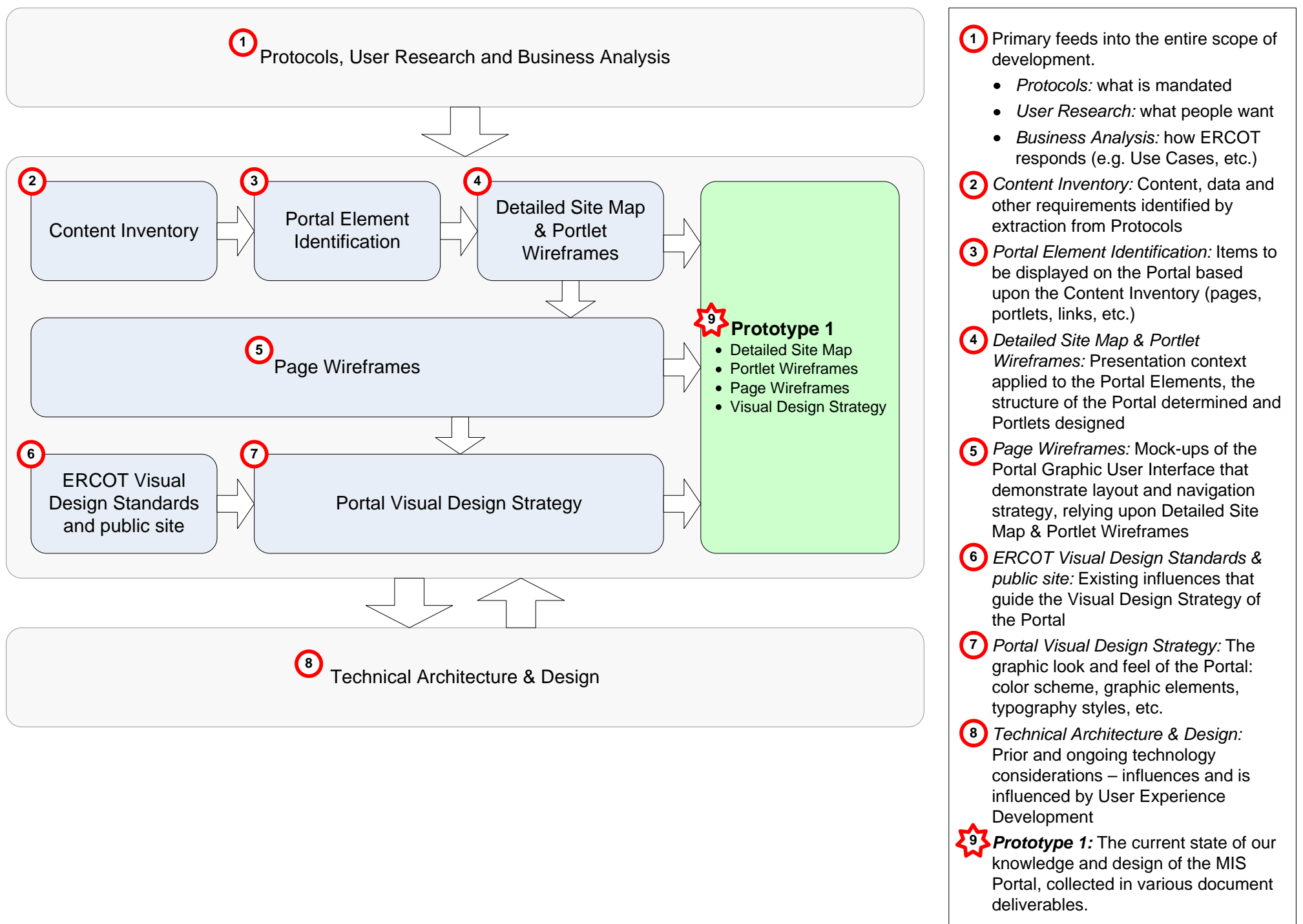
This document is intended to:

- Represent the MIS Portal navigation structure and page layouts
- Demonstrate various ways that Users may navigate through the MIS Portal and interact with content
- Provide example step-through scenarios about navigation and simple portal interface manipulation
- Specify the kinds and functionality of buttons that are associated with the Portal’s “Portlets”
- Show the team-approved Visual Design Strategy that will be applied to the MIS Portal

This document is based upon numerous other ERCOT and MIS Project artifacts and work efforts, and reflects the current status of each; many of which are still in development. These include (with general status if appropriate):

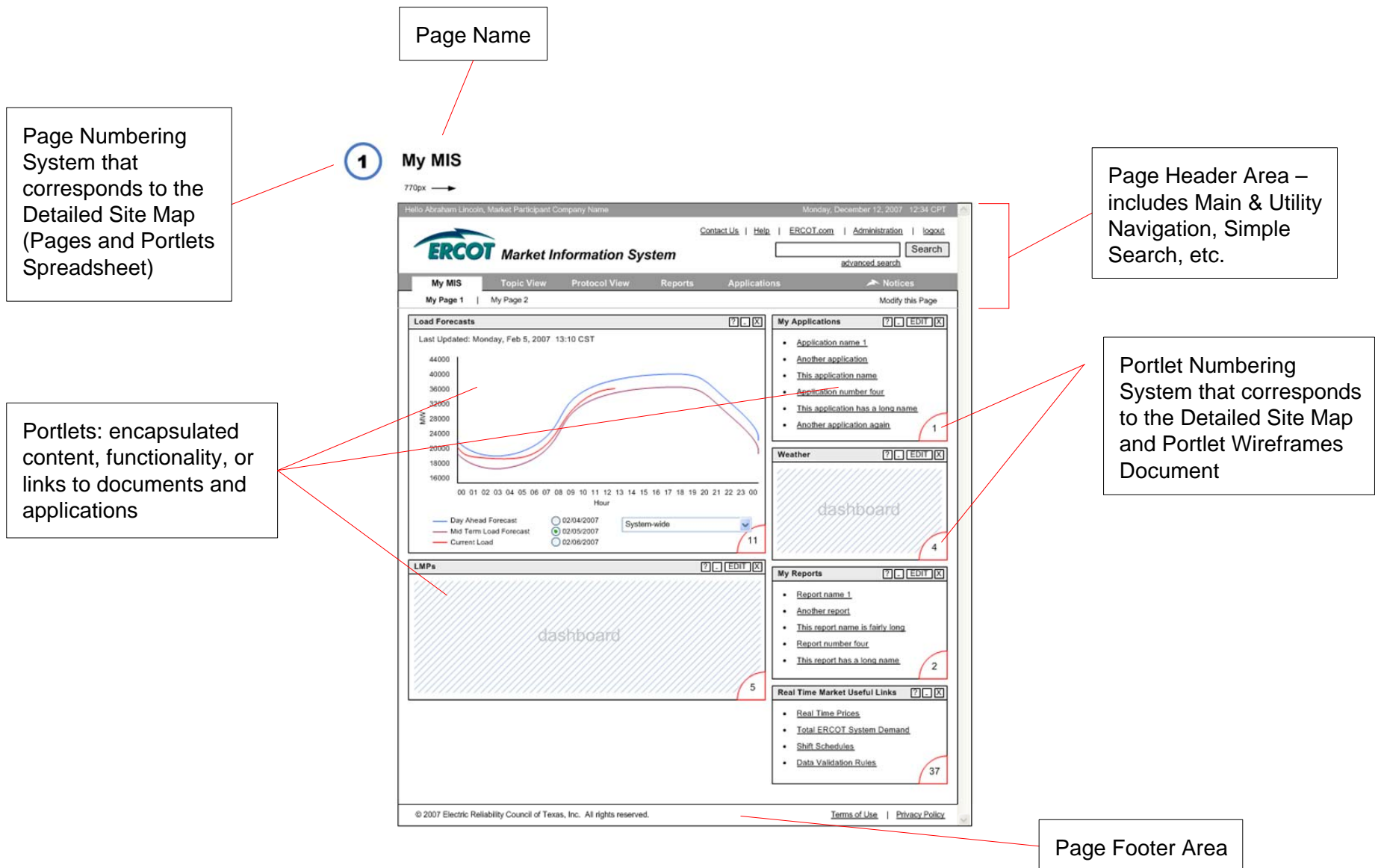
- ERCOT Nodal Protocols
- ERCOT “Visual Design Guidelines for Web Applications”
- MIS Portal Business Analysis effort - Ongoing
- MIS Portal Content Inventory – Incomplete
- MIS Portal Detailed Site Map and “Pages and Portlets” Spreadsheet – Incomplete, depends upon Content Inventory
- MIS Portal Technical Architecture and Design effort – Ongoing

The following diagram represents the artifacts and efforts that impacted or comprise Prototype 1



- 1 Primary feeds into the entire scope of development.
 - *Protocols*: what is mandated
 - *User Research*: what people want
 - *Business Analysis*: how ERCOT responds (e.g. Use Cases, etc.)
- 2 *Content Inventory*: Content, data and other requirements identified by extraction from Protocols
- 3 *Portal Element Identification*: Items to be displayed on the Portal based upon the Content Inventory (pages, portlets, links, etc.)
- 4 *Detailed Site Map & Portlet Wireframes*: Presentation context applied to the Portal Elements, the structure of the Portal determined and Portlets designed
- 5 *Page Wireframes*: Mock-ups of the Portal Graphic User Interface that demonstrate layout and navigation strategy, relying upon Detailed Site Map & Portlet Wireframes
- 6 *ERCOT Visual Design Standards & public site*: Existing influences that guide the Visual Design Strategy of the Portal
- 7 *Portal Visual Design Strategy*: The graphic look and feel of the Portal: color scheme, graphic elements, typography styles, etc.
- 8 *Technical Architecture & Design*: Prior and ongoing technology considerations – influences and is influenced by User Experience Development
- 9 **Prototype 1**: The current state of our knowledge and design of the MIS Portal, collected in various document deliverables.
 - Detailed Site Map
 - Portlet Wireframes
 - Page Wireframes
 - Visual Design Strategy

About Page and Portlet Wireframes – How to read the wireframes



About Page Wireframes:

The page wireframes in this document are still in design phase, and do not represent every page of the MIS Portal. They represent our current knowledge about what the page should show (by way of navigation and portlets) but may not represent any presentation priorities placed upon the content within. As such, the position of portlets within the pages may change, and the specific portlets shown may change.

About Portlets:

All portlets depicted reflect our current knowledge about:

- 1) what they are (their topic)
- 2) what they are called, and
- 3) what they present.

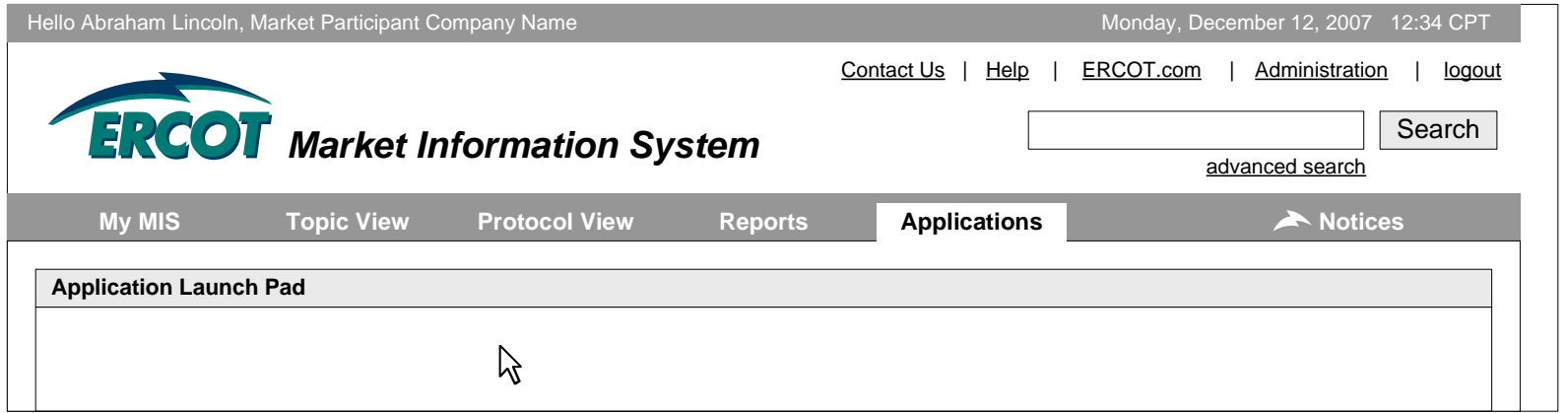
The portlets are still in design phase and will change as the project progresses. Assumptions have been made for presentation purposes about how content and functionality within the portlets may be presented. The portlets depicted may show “dummy” content or none at all, as deemed appropriate at our current state of development.

The final design and specification of portlets depend upon:

- 1) a finished Content Inventory
- 2) technology (back-end and front-end) capable of displaying such content or functionality
- 3) the overall scope of the MIS Portal (e.g. “wish list” items that may or may not be developed)

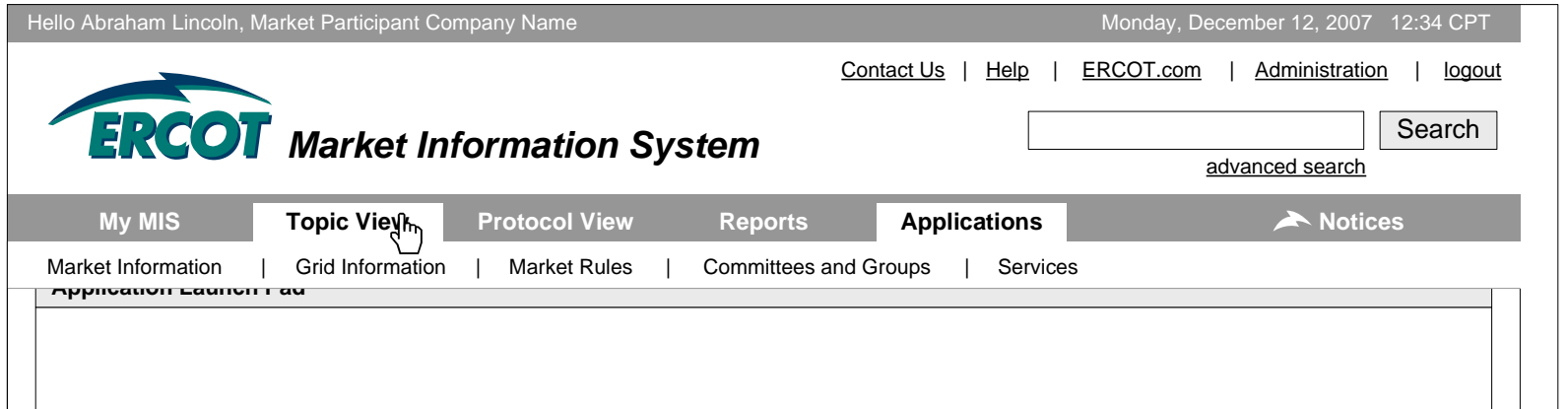
Navigation Method – Demonstration of Main Menu functionality

The User is currently on the “Applications” page.



The User moves the mouse pointer over “Topic View”.

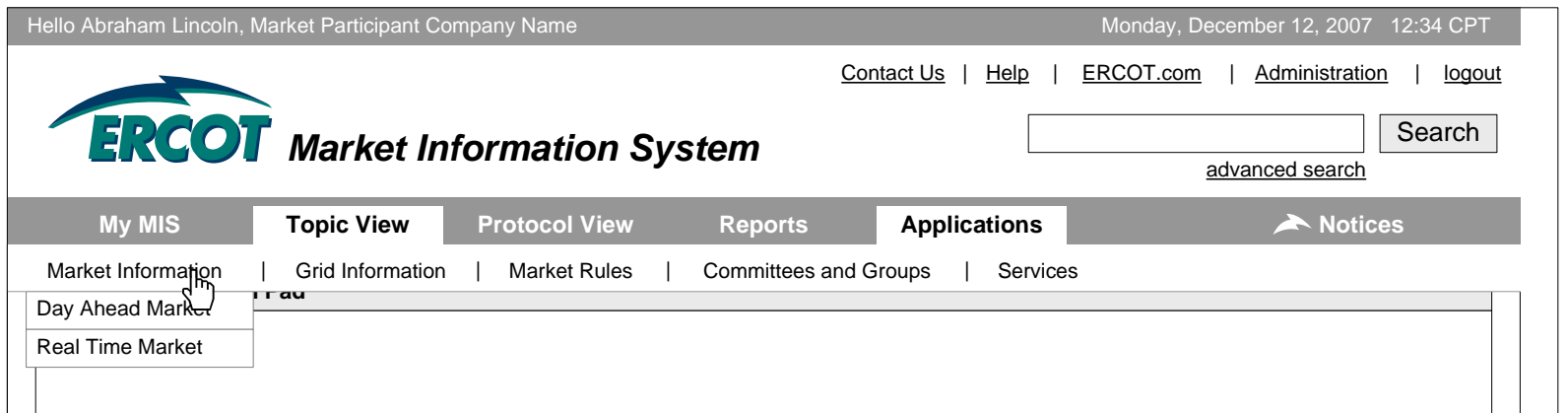
A horizontal fly-out menu appears below “Topic View”



The User moves the mouse pointer over “Market Information”.

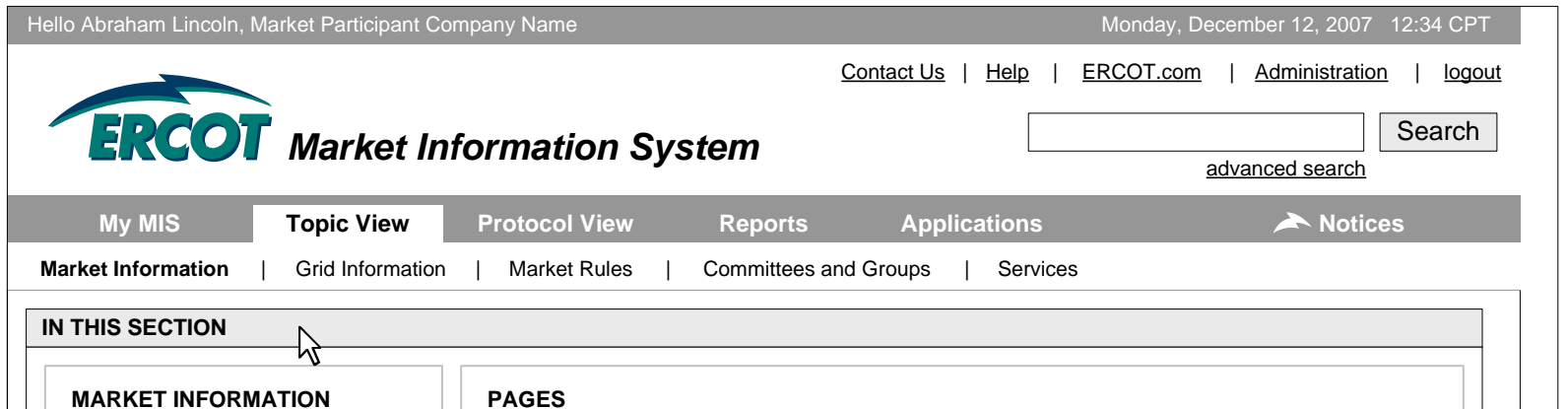
A fly-out menu appears below “Market Information”

The User clicks “Market Information”



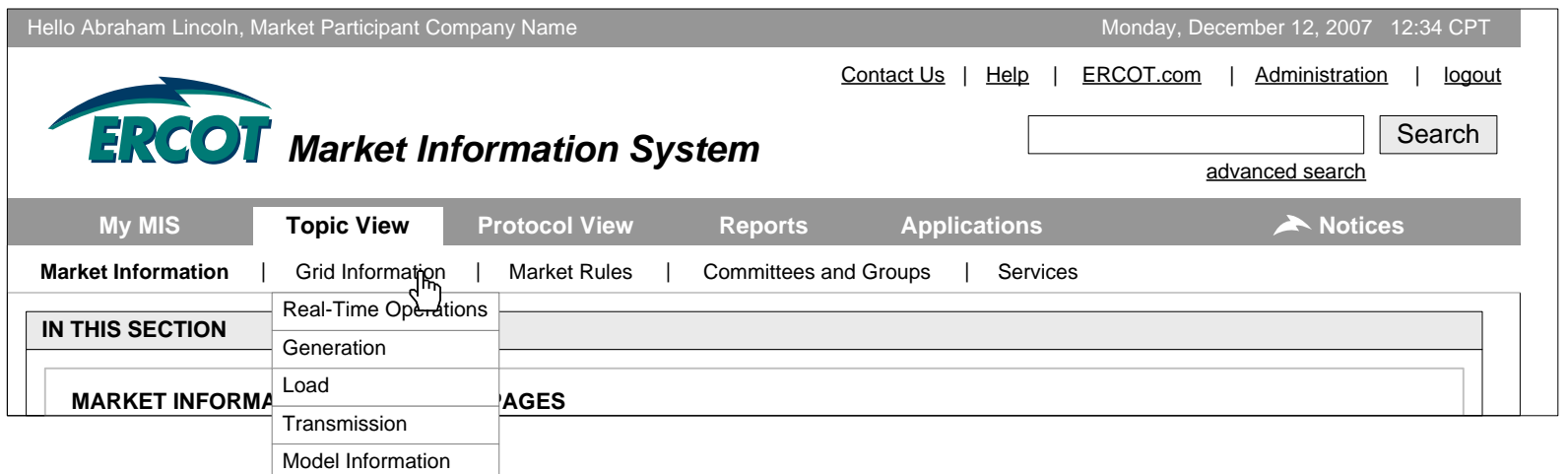
The User has arrived at the “Market Information” page.

The horizontal menu now persists throughout this section.



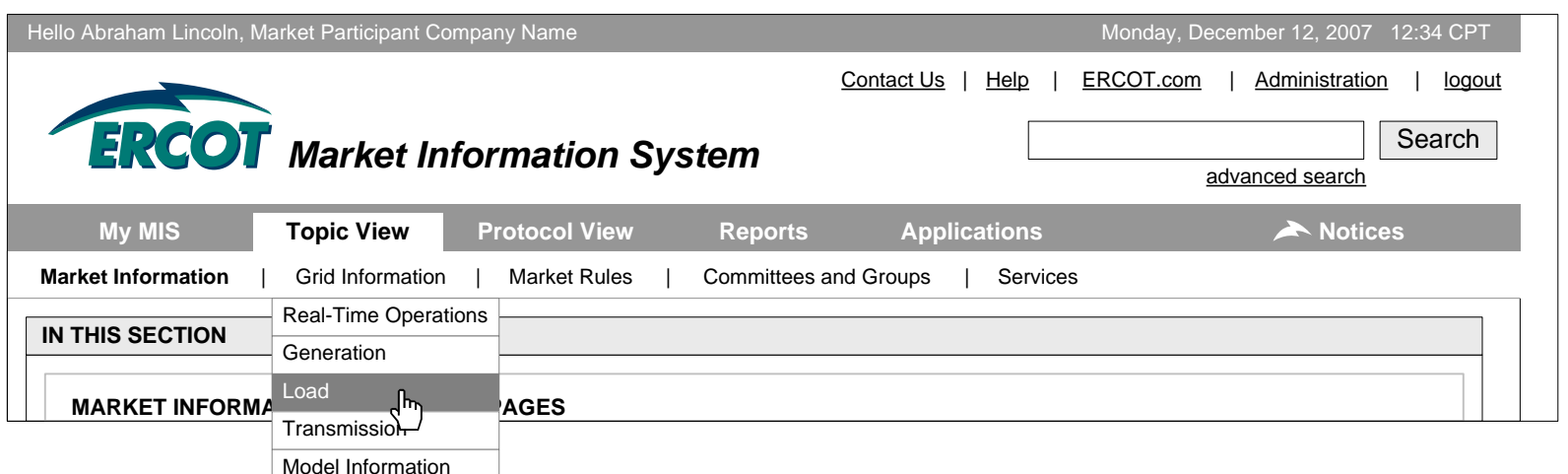
The User moves the mouse pointer over “Grid Information”.

A fly-out menu appears below “Grid Information”



The User moves the mouse pointer down to “Load”.

The User may click this to navigate to the “Load” page.



Portlet Header Buttons – Buttons that allow users to directly manipulate portlets

If the portlet is configurable...

EDIT (configure)

EDIT

If the portlet is on a My Page...

Remove from Page

X

Brings up a pop-up window with info about the portlet

About this Portlet

?

Manipulates the size of the portlet...

Minimize

-

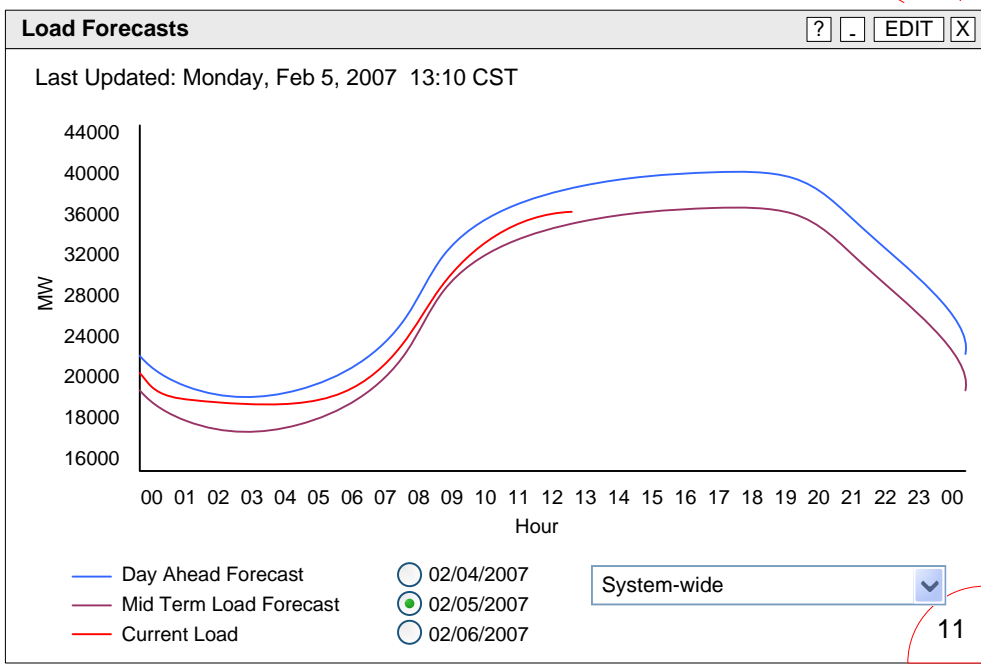
Return to Normal

☐

If the portlet is on an interior page, and can be added to a My Page...

Add to My Page

+



About this page:

- Unlike the rest of the wireframes in this document, this My MIS page shows an **example** rather than a **complete** set of portlets. All other pages show all the portlets currently assigned to that page.
- ① Portlets on this page can be manipulated in various ways by portlet header buttons.
- ② The utility navigation link “administration” is only available to Portal Administrators

These wireframes are designed to approximate the actual amount of screen real estate used by various page elements. It is a good indication of how much content can fit within a 770px window.

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Market Information

770px →

About this page:

- Intent:
 - 1 **Introduce the Section** – the “IN THIS SECTION” portlet shows the sub-pages beneath and example topics available on those pages
 - 2 **Offer “orphaned” portlets** that don’t fit neatly within a section page (e.g. “CRR Auction”)
 - 3 **Offer sub-page portlets** that are broad enough to not give this page a feeling of redundancy (e.g. “Useful Links” portlets)
 - 4 Shows a “narrow” portlet put in a “wide” pane

Pages other than the My MIS page primarily serve as a means for users to find portlets (and see them in action) for addition to their My MIS page.

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My MIS
Topic View
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Grid Information
Market Rules
Committees and Groups
Services

Day Ahead Market

PTP Obligation Bid ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
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Valid Startup and Minimum-Energy Offers ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
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Day Ahead MCPC ? - +

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Day Ahead Settlement Point Prices ? - +

File	FT1	FT2
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Day Ahead Hourly LMPs ? - +

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Day Ahead Shadow Prices ? □ + 32

Day Ahead Ancillary Service Offers ? □ + 33

Day Ahead Total Energy Bought ? □ + 34

Day Ahead Total Energy Sold ? □ + 35

Aggregated Ancillary Service Offer Curve ? □ + 36

Day Ahead Market Useful Links ? - +

- [DAM Pre-Validation Data](#)
- [Capacity Trades](#)
- [Self Schedules](#)
- [CRR Offers](#)

24

Energy Offers & Trades ? - +

- [Energy Trades](#)
- [Energy Offer Curves](#)
- [DAM Energy-Only Offers](#)
- [DAM Energy Bids](#)

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Ancillary Service Trades ? - +

- [Confirmed Ancillary Service Offers](#)
- [Confirmed Ancillary Service Trades](#)

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"Useful Link" portlets contain 'orphaned links' - links that are singular in topic, that cannot be logically placed in a topic-oriented portlet

Minimized for size limit purposes only

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Real Time Market

Real Time Prices Parameters ? - +

File	FT1	FT2
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[> more](#) 38

Real Time Market Useful Links ? - +

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

37

Adverse Weather Conditions ? - +

41

Changes in ERCOT System Conditions ? - +

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Transmission Facilities Status ? - +

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[> more](#) 40

System-Wide Load Forecasts ? - +

File	FT1	FT2
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RMR Services Quantities ? - +

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Updated Electrical Bus Load Distribution Factors ? □ +

44

SASM MCPC ? □ +

45

Total Ancillary Service ? □ +

46

Aggregated Ancillary Service Offer Curve ? □ +

36

Dispatch Instruction Limitations ? □ +

48

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IN THIS SECTION

GRID INFORMATION

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper.

PAGES

Real Time Operations This is the description of the page named to the left. Description.

Generation This is the description of the page named to the left. Description of the page.

Load This is the description of the page named to the left, to tell what it is. Description of it.

Transmission This is the description of the page named to the left. Description of the page.

Model Information This is the description of the page named to the left. Description of it.

Model Information Useful Links

- [Prevention of Temperature Rating Adjustment](#)
- [Estimator Performance Report](#)
- [Voltage Profiles](#)
- [Switching Plan](#)
- [Restoration Plan](#)

Generation Useful Links

- [MP-specific Generation Data](#)
- [Competitive Constraints](#)
- [Ancillary Service Plan](#)
- [WGRPP Forecasts](#)
- [Resource Capacity Deficiencies](#)
- [ERCOT Wind Forecasts](#)

Transmission Useful Links

- [Buses Information](#)
- [Transmission Elements](#)
- [Planning - Transmission Reliability Testing Contingency List](#)

Load Useful Links

- [Demand Forecasts](#)
- [Load Ratio Share](#)
- [Load Profile ID Tables](#)
- [IDR Mandatory Installation Threshold Reports](#)

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List of pages and portlets available in this section

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Real Time Operations

Responsive Reserve Capacities ? - +




50

Non-Spinning Reserve ? - +




51

Undeployed ? - +



52

Available Capacity ? - +




53

Security Violations and Binding Transmission Constraints ? - +

File	FT1	FT2
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Generation

Suspension of Operation
? - +

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Validated Output Schedules
? - +

59

Total Generation Data
? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
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		> more

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Generation Useful Links
? - +

- [MP-specific Generation Data](#)
- [Competitive Constraints](#)
- [Ancillary Service Plan](#)
- [WGRPP Forecasts](#)
- [Resource Capacity Deficiencies](#)
- [ERCOT Wind Forecasts](#)

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Aggregated Resource Outages
? - +

- [Aggregated Resource Outages](#)
- [Upcoming Aggregated Resource Outages](#)

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RMR Information
? - +

- [RMR Information](#)
- [RMR Agreement Data](#)
- [RMR Alternatives](#)
- [RMR Requests for Deviation](#)

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Load

Mid-Term Load Forecast
? - +

File	FT1	FT2
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Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
		> more 62

Load Useful Links
? - +

- [Demand Forecasts](#)
- [Load Ratio Share](#)
- [Load Profile ID Tables](#)
- [IDR Mandatory Installation Threshold Reports](#)

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Long-Term Load Forecast
? - +

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Load Profiles
? - +

File	FT1	FT2
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Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
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		> more 64

Validation Tests
? - +


File	FT1	FT2
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		> more 65

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Transmission

New Transmission Elements
? - +

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Planned Transmission Outages
? - +

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Scheduled Transmission Outages
? - +

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Transmission Useful Links
? - +

- [Buses Information](#)
- [Transmission Elements](#)
- [Planning - Transmission Reliability Testing Contingency List](#)


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Loss Factors
? - +

- [Distribution Loss Factors](#)
- [Transmission Loss Factors](#)


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Model Information

Forecasted ERCOT System Conditions ? - +

75

Dynamic Ratings ? - +

File	FT1	FT2
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		> more

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Model Information Useful Links ? - +

- [Prevention of Temperature Rating Adjustment](#)
- [Estimator Performance Report](#)
- [Voltage Profiles](#)
- [Switching Plan](#)
- [Restoration Plan](#)

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Network Model Information ? - +

- [Network Model](#)
- [Equipment Ratings](#)
- [Equipment Ratings Methodology](#)
- [Transformers](#)
- [SPSs and RAPs](#)
- [Model Ratings](#)
- [Transmission Elements List](#)

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Transmission Model ? - +

- [Transmission Model](#)
- [Submittal Schedule](#)
- [SSWG Procedure Manual \(file\)](#)


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CRR Network Model ? - +

- [CRR Network Model](#)
- [Document](#)
- [Document](#)
- [Document](#)
- [Document](#)

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MIS_Paper_Prototype_1_2.0.pdf	Enterpulse – Dallas 15303 Dallas Parkway, Ste. 1350 – Addison, Texas 75001 972.581.7000 office – 972.581.7002 fax		
Prepared by: Cliff Drane			


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Applications

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Application Launch Pad

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Dashboard Portlets

Explanation of Dashboard portlets, describing the kinds of things you and do and see. Leads into the list of them below, of which you see static versions and add to the My Page.

- Dashboard portlet 1 [view](#) [add to My Page](#)
- Dashboard portlet 2 [view](#) [add to My Page](#)
- Dashboard portlet 3 [view](#) [add to My Page](#)
- Dashboard portlet 4 [view](#) [add to My Page](#)
- Dashboard portlet 5 [view](#) [add to My Page](#)
- Dashboard portlet 6 [view](#) [add to My Page](#)
- Dashboard portlet 7 [view](#) [add to My Page](#)
- Dashboard portlet 8 [view](#) [add to My Page](#)
- Dashboard portlet 9 [view](#) [add to My Page](#)
- Dashboard portlet 10 [view](#) [add to My Page](#)

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Reports

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Report Configurator
? - +


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Report Explorer
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- [Link](#)
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Notices

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Prepared by: Cliff Drane			

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Committees and Groups
Services

IN THIS SECTION ? -

SERVICES

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PAGES

Registration ↗ This is the description of the page named to the left. Description.

Renewable Energy Credits ↗ This is the description of the page named to the left.

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Registration Procedures and Forms ? - +

- [Fees Information](#)
- [Registration Forms](#)

Agreements & Procedures Documents

- [Document](#)
- [Document](#)
- [Document](#)

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Services Useful Links ? - +

- [Creditworthiness Disclaimer](#)
- [ERCOT Creditworthiness standards](#)
- [Facility Identification](#)
- [Transaction Flow Diagrams](#)

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Qualified Scheduling Entities ? - +

- [List of Qualified Scheduling Entities](#)
- [Cautionary Statement](#)

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IN THIS SECTION ? -

COMMITTEES AND GROUPS

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PAGES

[Meeting Calendar](#) This is the description of the page named to the left. Description.

[Board of Directors](#) This is the description of the page named to the left.

[TAC](#) This is the description of the page named to the left. Description.

[COPS](#) This is the description of the page named to the left.

[PRS](#) This is the description of the page named to the left. Description.

[RMS](#) This is the description of the page named to the left.

[ROS](#) This is the description of the page named to the left. Description.

[WMS](#) This is the description of the page named to the left.

[Other Groups](#) This is the description of the page named to the left. Description.

[Market Participants](#) This is the description of the page named to the left.

Organization Chart ? - +

Board of Directors

Finance and Audit Committee
Credit Work Group
HR and Governance Committee

Technical Advisory Committee (TAC)

Training Seminar WG (SWG)
Market Participant Default Joint TF
Texas Nodal Transition Plan TF (TPTF)

Commercial Operations Subcommittee (COPS)

Protocol Revision Subcommittee (PRS)

Retail Market Subcommittee (RMS)

Reliability and Operations Subcommittee (ROS)

Wholesale Market Subcommittee (WMS)

Working Groups	Task Forces	Working Groups	Working Groups	Working Groups
COPS Communication (CCWG)	Replacement Reserve Service (RPRSTF)	Competitive Metering (COMET)	Dynamics (DWG)	Congestion Management (CMWG)
Data Extracts (DEWG)		Market Metrics (MMWG)	Network Data Support (NDSWG)	Demand-Side (DSWG)
Profiling (PWG)		Texas Data Transport (TDTWG)	Operations (OWG)	Metering (MWG)
		Texas SET	Performance Disturbance Compliance (PDCWG)	QSE Managers (QMWG)
		Texas Test Plan Team (TTPT)	System Protection (SPWG)	Task Forces
		Task Forces	Steady State (SSWG)	Generation Adequacy (GATF)
		Market Coordination Team (MCT)	Task Forces	Emergency Interruptible Load (EILTF)
			Black Start (BSTF)	Nodal Non-Spin (NNSTF)
			Operating Guides Revision (OGRTF)	Renewables and Transmission (RTTF)

Calendar ? - +


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List of pages and portlets available in this section

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My MIS
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IN THIS SECTION
?

MARKET RULES

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Sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

PAGES

[Protocols](#) This is the description of the page named to the left. Description.

[Other Binding Documents](#) This is the description of the page named to the left.

[Compliance](#) This is the description of the page named to the left. Description.

[ERCOT Fee Schedle](#) This is the description of the page named to the left.


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ERCOT Fee Schedule
?

- [Charge Type Matrix](#)
- [Billing Determinants](#)
- [Allowed Expenses Summary](#)

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Prepared by: Cliff Drane			

Sequences for Prototype Testing

The following pages represent sequences of user interaction that demonstrate aspects of the MIS Portal functionality. The sequences are valuable in validating navigation concepts and basic interaction flows.

The sequences are as follows:

1a – Navigate to *Grid Information/Load* page

Demonstrates basic section-to-section navigation

1b – Find *Load Profiles* portlet, add it to My Page

Demonstrates how users can find topics and one way of adding them to their MyPage

2a – Minimize *Load Forecasts* portlet, return to normal

2b – Maximize *Load Profiles* portlet, return to normal

2c – Remove *Load Profiles* portlet

Demonstrates how users can manipulate the presentation of portlets on their MyPage.

Recommended Plan for Prototype Testing

Typically, Prototype Testing is based upon a comprehensive representation of features of the system in development. Also, testing typically involves example users, or user SMEs, guided by a moderator and test script, and results gathered in a scientific way.

The sequences listed above comprise the current, specified Portal interactive sequences deemed stable enough to be evaluated considering the current status of the project. They cannot be considered “comprehensive”, nor can the content and functionality depicted be so considered; therefore any such plan for Prototype Testing must follow suit.

Recommendation: Modified Heuristic Evaluation by select members of the Project team

Per Wikipedia:

A heuristic evaluation is a usability evaluation method for computer software that helps to identify usability problems in the user interface (UI) design. It specifically involves evaluators examining the interface and judging its compliance with recognized usability principles (the “heuristics”).

In the case of this project and its current state of development, a “scaled back” method of heuristic evaluation would yield results that help validate the design direction.


Suggested Plan:

- 1) Identification of 3-4 Project team members to act as Evaluators
- 2) Identification of 1 Project team member as Moderator, 1 as Observer
- 3) Preparation of printed copies of the Prototype Sequences in this document
- 4) Individual sessions scheduled with each Evaluator
- 5) Walkthrough of the Prototype Sequences by the Moderator with the Evaluator
- 6) Feedback obtained about the Walkthrough
- 7) Replication of each Sequence by the Evaluator, using hands-on methods
- 8) Observations noted, feedback obtained, and compiled into a Document for review

The results of the Evaluation would be analyzed and any recommendations targeted to Prototypes 2 and 3.

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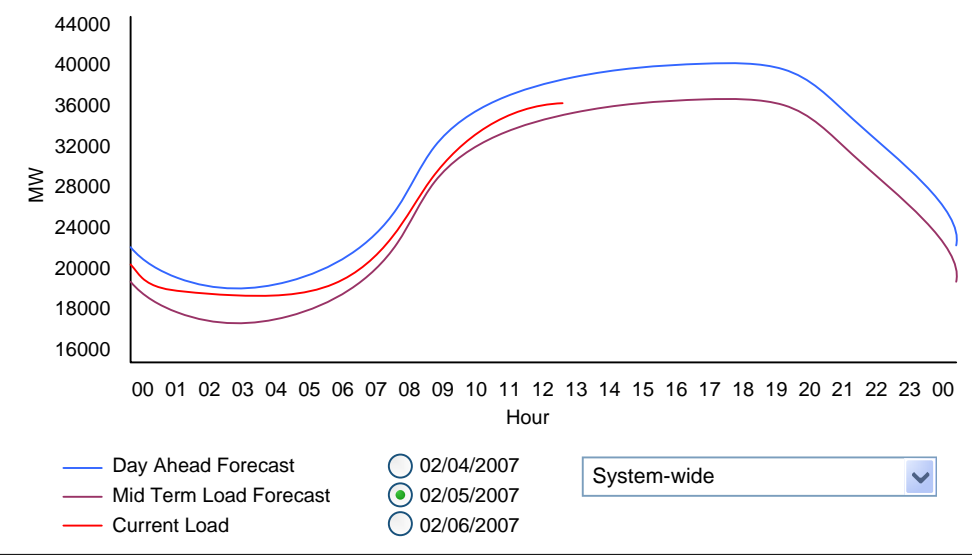
[advanced search](#)

My MIS | Topic View | Protocol View | Reports | Applications | Notices

My Page 1 | My Page 2 Modify this Page

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST



— Day Ahead Forecast — Mid Term Load Forecast — Current Load

My Applications ? - EDIT - X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Weather ? - EDIT - X

dashboard

My Reports ? - EDIT - X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)


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In this step

- The user is presented with their MyPage
- Their task is to navigate to the Topic View/ Grid Information/Load page by using the Main Navigation menu and associated fly-out menus.

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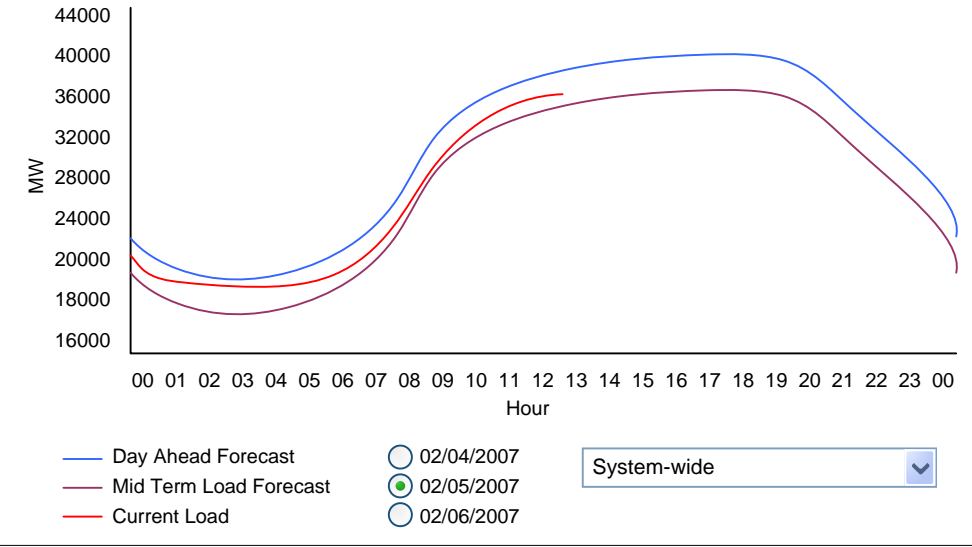
[advanced search](#)

My MIS |
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Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST



My Applications ? - EDIT - X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

LMPs ? - EDIT - X

dashboard

Weather ? - EDIT - X

dashboard

My Reports ? - EDIT - X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
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In this step

- The user has rolled their mouse pointer over the "Topic View" Main Menu item.
- The "Topic View" fly-out menu has appeared, displaying various sections.

Navigate to "Load" Page – Step 3

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Load Forecasts ? - X

Last Updated: Monday, December 11, 2007 10:00 AM CST

— Day Ahead Forecast ○ 02/04/2007
— Mid Term Load Forecast ● 02/05/2007
— Current Load ○ 02/06/2007

System-wide ▾

My Applications ? - EDIT - X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Weather ? - EDIT - X

dashboard

My Reports ? - EDIT - X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

LMPs ? - EDIT - X

dashboard

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In this step

- The user has rolled their mouse pointer over the "Grid Information" Main Menu item.
- The "Grid Information" fly-out menu has appeared, displaying various pages within that section.

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[advanced search](#)

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 Protocol View |
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 [Grid Information](#) |
 [Market Rules](#) |
 [Committees and Groups](#) |
 [Services](#)

Load Forecasts ? - X

Last Updated: Monday, December 11, 2007 12:34 CST

— Day Ahead Forecast 02/04/2007
— Mid Term Load Forecast 02/05/2007
— Current Load 02/06/2007

My Applications ? - EDIT - X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Weather ? - EDIT - X

dashboard

My Reports ? - EDIT - X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X


- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

LMPs ? - EDIT - X
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In this step

- The user has rolled their mouse pointer over the "Load" page menu item.
- The user may click that item to navigate to the "Load" page.

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My MIS
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Protocol View
Reports
Applications
Notices

Market Information
Grid Information
Market Rules
Committees and Groups
Services

Load

Mid-Term Load Forecast ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
> more		

Long-Term Load Forecast ? - +

Load Profiles ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
> more		

Validation Tests ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
> more		

Load Useful Links ? - +

- [Demand Forecasts](#)
- [Load Ratio Share](#)
- [Load Profile ID Tables](#)
- [IDR Mandatory Installation Threshold Reports](#)


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In this step

- The user has clicked the "Load" menu item and has arrived at the "Load" page.
- END OF SEQUENCE.

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[advanced search](#)

[My MIS](#) | **[Topic View](#)** | [Protocol View](#) | [Reports](#) | [Applications](#) | [Notices](#)

[Market Information](#) | **[Grid Information](#)** | [Market Rules](#) | [Committees and Groups](#) | [Services](#)

Load

Mid-Term Load Forecast ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

Load Useful Links ? - +

- [Demand Forecasts](#)
- [Load Ratio Share](#)
- [Load Profile ID Tables](#)
- [IDR Mandatory Installation Threshold Reports](#)

Long-Term Load Forecast ? - +

Load Profiles ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

Validation Tests ? - +

File	FT1	FT2
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Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

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In this step

- The user has navigated to the "Load" page and is trying to find the "Load Profiles" portlet.

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[advanced search](#)

[My MIS](#) | **[Topic View](#)** | [Protocol View](#) | [Reports](#) | [Applications](#) | [Notices](#)

[Market Information](#) | **[Grid Information](#)** | [Market Rules](#) | [Committees and Groups](#) | [Services](#)

Load

Mid-Term Load Forecast ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

Load Useful Links ? - +

- [Demand Forecasts](#)
- [Load Ratio Share](#)
- [Load Profile ID Tables](#)
- [IDR Mandatory Installation Threshold Reports](#)

Long-Term Load Forecast ? - +

Load Profiles ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

Validation Tests ? - +

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

In this step

- The user has found the “Load Profiles” portlet and has decided to add it to their MyPage.
- The user clicks the button associated with the “Load Profiles” portlet.

Find the “Load Profiles” Portlet, add to MyPage – Step 3

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ERCOT Market Information System

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[My Page 1](#) | [My Page 2](#) [Modify this Page](#)

Load Profiles ? - X

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

My Applications ? - EDIT X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST

— Day Ahead Forecast ○ 02/04/2007
— Mid Term Load Forecast ● 02/05/2007
— Current Load ○ 02/06/2007

System-wide

Weather ? - EDIT X

dashboard

LMPs ? - EDIT X

dashboard

My Reports ? - EDIT X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

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In this step

- The user has clicked the button associated with the “Load Profiles” portlet.
- The portlet has automatically brought the user to the MyPage.
- The MyPage now displays the “Load Profiles” portlet at the top of the first column of portlets.
- END OF SEQUENCE.

Minimize Load Forecasts portlet, return to normal – Step 1

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ERCOT Market Information System

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[My Page 1](#) | [My Page 2](#) [Modify this Page](#)

Load Profiles ? - X

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

My Applications ? - EDIT X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST

— Day Ahead Forecast ○ 02/04/2007
 — Mid Term Load Forecast ● 02/05/2007
 — Current Load ○ 02/06/2007

System-wide

Weather ? - EDIT X

dashboard

LMPs ? - EDIT X

dashboard

My Reports ? - EDIT X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

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In this step

- The user is currently viewing their MyPage and decides to minimize the size of the “Load Forecasts” portlet
- The user clicks the button to minimize the portlet.

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[advanced search](#)

My MIS | Topic View | Protocol View | Reports | Applications | Notices

My Page 1 | My Page 2 Modify this Page

Load Profiles ? [- X]

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
		> more

My Applications ? [- EDIT X]

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? [- X]

LMPs ? [- EDIT X]

dashboard

Weather ? [- EDIT X]

dashboard

My Reports ? [- EDIT X]

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? [- X]

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)


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In this step

- The “Load Forecasts” portlet now only displays its header – it has been minimized.
- The [- button has been replaced with the button.
- The user decides to return the portlet to its normal presentation style, and clicks the button to minimize the portlet.

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[advanced search](#)

My MIS | [Topic View](#) | [Protocol View](#) | [Reports](#) | [Applications](#) | [Notices](#)

My Page 1 | [My Page 2](#) [Modify this Page](#)

Load Profiles ? - X

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
		> more

My Applications ? - EDIT X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST



Weather ? - EDIT X

dashboard

LMPs ? - EDIT X

dashboard

My Reports ? - EDIT X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

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In this step

- The “Load Forecasts” portlet has returned to its normal presentation style.
- END OF SEQUENCE.

Maximize *Load Profiles* portlet, return to normal – Step 1

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My Page 1 | My Page 2
Modify this Page

Load Profiles ? - X

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download

[> more](#)

My Applications ? - EDIT X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST

— Day Ahead Forecast ○ 02/04/2007
— Mid Term Load Forecast ● 02/05/2007
— Current Load ○ 02/06/2007

System-wide

Weather ? - EDIT X

dashboard

LMPs ? - EDIT X

dashboard

My Reports ? - EDIT X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)


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In this step

- The user is currently viewing their MyPage and decides to maximize the size of the “Load Profiles” portlet
- The user clicks the [> more](#) link inside the portlet to maximize the portlet.

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[advanced search](#)

My MIS | [Topic View](#) | [Protocol View](#) | [Reports](#) | [Applications](#) | [Notices](#)

My Page 1 | [My Page 2](#) [Modify this Page](#)

Load Profiles ? - X

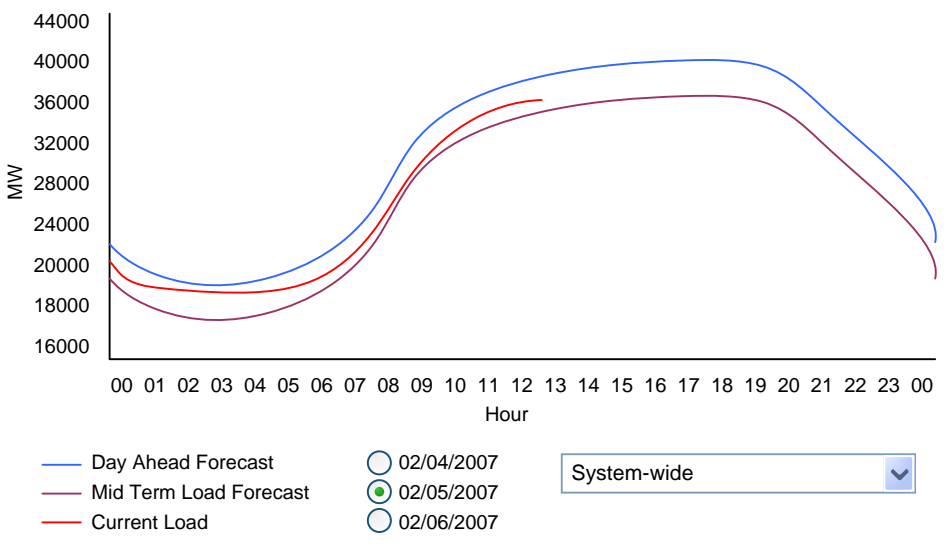
File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
		> more

My Applications ? - EDIT X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST



Weather ? - EDIT X

dashboard

LMPs ? - EDIT X

dashboard

My Reports ? - EDIT X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

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In this step

- The “Load Profiles” portlet has returned to its normal presentation size.
- END OF SEQUENCE.

Remove *Load Profiles* portlet – Step 1

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Load Profiles ? - X

File	FT1	FT2
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
Lorem ipsum dolor sit amet elit sed amet elit sed dolor	download	download
		> more

My Applications ? - EDIT X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST

— Day Ahead Forecast — Mid Term Load Forecast — Current Load

○ 02/04/2007 ○ 02/05/2007 ○ 02/06/2007

System-wide

Weather ? - EDIT X

dashboard

LMPs ? - EDIT X

dashboard

My Reports ? - EDIT X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

- [Real Time Prices](#)
- [Total ERCOT System Demand](#)
- [Shift Schedules](#)
- [Data Validation Rules](#)

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In this step

- The user is currently viewing their MyPage and decides to remove the “Load Profiles” portlet
- The user clicks the inside the portlet to remove the portlet.

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[My Page 1](#) | [My Page 2](#) [Modify this Page](#)

Load Forecasts ? - X

Last Updated: Monday, Feb 5, 2007 13:10 CST

— Day Ahead Forecast ○ 02/04/2007
— Mid Term Load Forecast ● 02/05/2007
— Current Load ○ 02/06/2007

System-wide ▾

My Applications ? - EDIT - X

- [Application name 1](#)
- [Another application](#)
- [This application name](#)
- [Application number four](#)
- [This application has a long name](#)
- [Another application again](#)

Weather ? - EDIT - X

dashboard

My Reports ? - EDIT - X

- [Report name 1](#)
- [Another report](#)
- [This report name is fairly long](#)
- [Report number four](#)
- [This report has a long name](#)

Real Time Market Useful Links ? - X

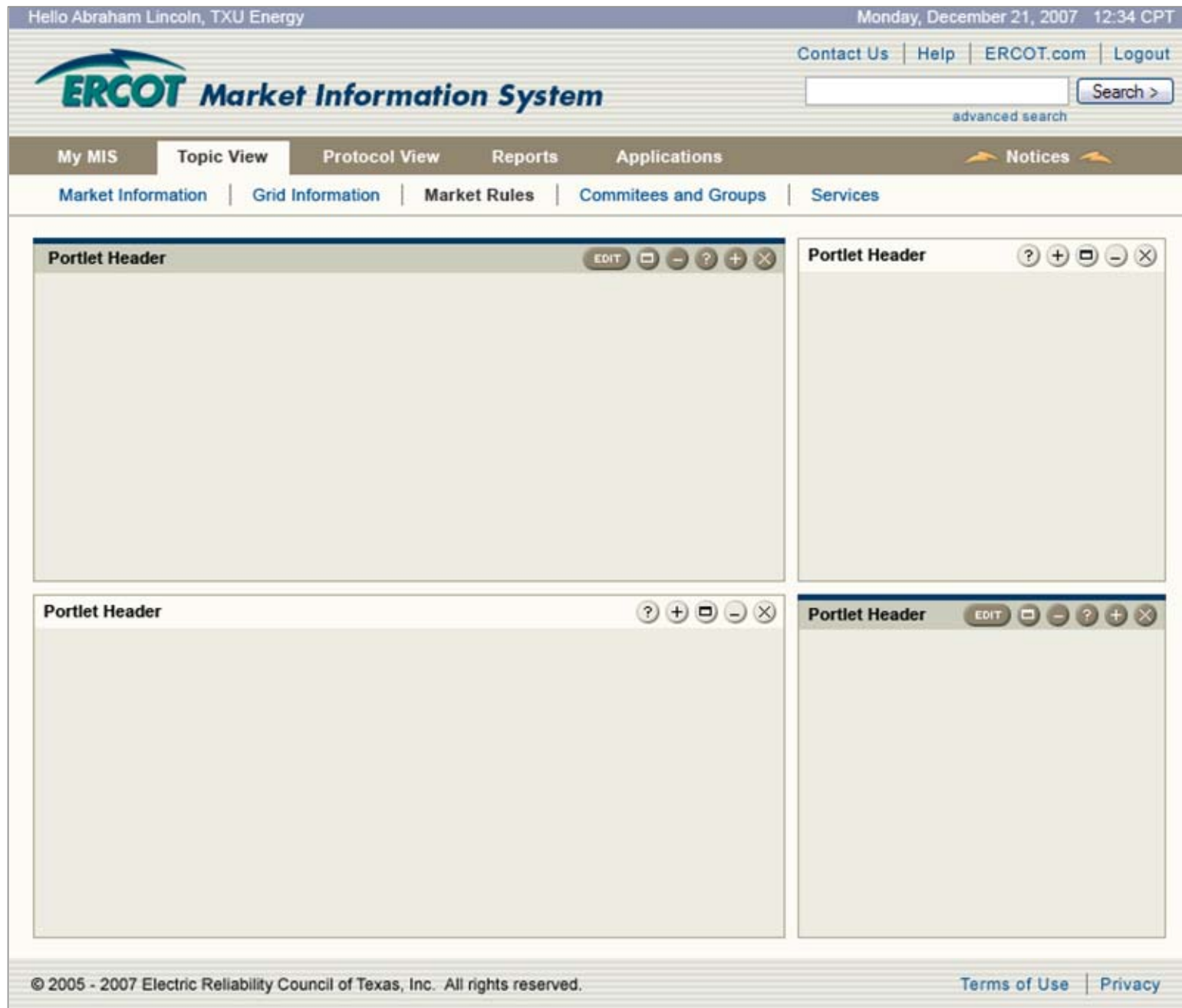
- [Real Time Prices](#)
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In this step

- The user has clicked the button, the page is refreshed.
- The “Load Profiles” portlet no longer appears on the user’s MyPage.
- END OF SEQUENCE.

Visual Design Strategy



The image above is the ERCOT MIS Portal team-approved Visual Design Strategy. It is an accurate indication of how the MIS Portal will look when displayed in a web browser.

Portlets are shown in an empty state, and are meant to indicate design style only.