DataLink

Quick Start Guide − Training Scenarios

Contents

INTRODUCTION

DATALINK SUPPORT

DataLink products are available for use 24 hours a day, seven days a week.

The web address for DataLink is *www.entergy.com/demand*.

If you forget a user name or password, you can contact the **Entergy Business Center at 1-800-766-1648 or send an email to EBC@entergy.com. This hotline is available Monday through Friday from 6 a.m to 6 p.m.**

BROWSER REQUIREMENTS

Using standard browser technologies, For certain tools that use Java technology, you must have an Internet browser meeting the minimum requirements that follow.

❑ Netscape—Version 4.7 or higher, with Java enabled

❑ To install Java, go to www.java.com and follow the instructions provided.

USER GUIDE

Examples provided can be referenced back to the user guide for specific instruction and greater detail.

SAMPLE DATA

Web address: http://entergy.enerwise.com

Logon: entuser

Password: entergy

SCENARIOS

USAGE REPORTS SCENARIOS

This training document follows the DataLink User Guide (pages 7-21)

- ❑ **Load Curves** (examples 1-3)
  Generates data for the period of time identified.

- ❑ **Compare Loads** (examples 4-5)
  Compare electricity loads for multiple sites by varying date ranges or same site for different periods of time.

- ❑ **Demand Profile** (example 6)
  Generate report reflecting a single site's peak demand on a day-by-day basis, over selected time range, or the aggregate demand for all sites.

- ❑ **Load Duration Curve** (example 7)
  Generate report showing percentage of time that a site's demand meets or exceeds a given level.

Load Curves (pgs 7-12)

#1 – Load Curve " graph" (1-2-3 Steps)

1. Pick a time (Use calendar)

        Start Date: 05-01-2008 (12:15:00 a.m.)

        End Date: 06-01-2008 (12:00:00 a.m.)

        Dates above can be chosen to match the customers' bill although a minor variance may exist due to an unknown meter poll time.).

2. Select your channels/sites

        Entergy College Building

        ✓ kWh

3. Decide how you want to see it

        ➢ Interactive Graph

        ➢ Daily

        ➢ US/Central

Input:

Result:

Note: usage drops to 1,637 kWh on 5/18/2008 (Sunday). Since this is a college building, everything may have been shut down – no classes.

#2 – LOAD CURVE " MULTIPLE SITES"

1. Pick a time (Use Calendar)

   Start Date: 05-01-2008 (12:15:00 a.m.)

   End Date: 06-01-2008 (12:00:00 a.m.)

   Dates above can be chosen to match the customer's bill although a minor variance may exist due to an unknown meter poll time.).

2. Select your channels/sites

   Entergy College Building

   ✓ kWh

   Entergy Hospital

   ✓ kWh

   2nd site added for this example, everything else remains the same as #1 example

3. Decide how you want to see it

   ➢ Interactive Graph

   ➢ Daily

   ➢ US/Central

Input:

Data is available from Wednesday, November 28, 2001 10:30:00 AM to Monday, June 16, 2008 09:15:00 AM
Availability of data may vary from site to site.

(1) Pick a time
All Interval data is requested and displayed using interval ending time.
E.g. To request a single day's data, select/enter   Start Date: 01/01/2003 00:15
                                                     End Date : 01/02/2003 00:00

Choose a period from this list: Use Calendar ▾

Start Date: 05-01-2008 ▾   12 ▾ 15 ▾ AM ▾

End Date: 05-31-2008 ▾   12 ▾ 00 ▾ AM ▾

(2) Choose your channels

Entergy College Bldg [Daily V] 01-07-2003 to 06-16-2008
☑kWh ☐kW ☐kVarh ☐kVar ☐kVa ☐PF

Entergy Hospital [Hourly V] 02-11-2004 to 06-16-2008
☑kWh ☐kW ☐kVarh ☐kVar ☐kVa ☐PF

Entergy Industrial [Daily V] 11-28-2001 to 06-16-2008
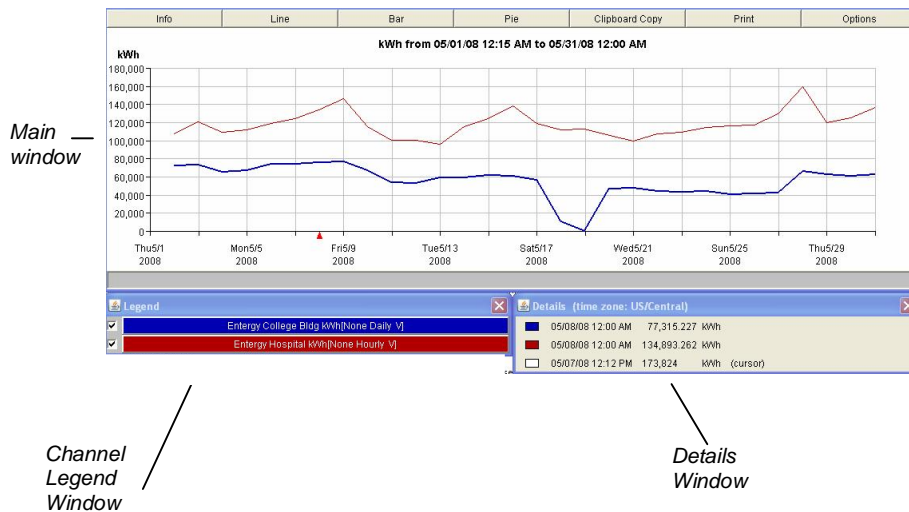☐kWh ☐kW ☐kVarh ☐kVar ☐kVa ☐PF

Include totals for the channels I select ☐

(3) Decide how you want to see it

Create a: Interactive Graph ▾

Summarized by: Daily ▾
Time Zone: US/Central ▾

[Create] [Reset]

Result:

| Info | Line | Bar | Pie | Clipboard Copy | Print | Options |

kWh from 05/01/08 12:15 AM to 05/31/08 12:00 AM

Main window

Legend		✕
☑	Entergy College Bldg kWh[None Daily V]	
☑	Entergy Hospital kWh[None Hourly V]	

Details (time zone: US/Central)		✕
▪	05/08/08 12:00 AM	77,315.227 kWh
▪	05/08/08 12:00 AM	134,893.262 kWh
☐	05/07/08 12:12 PM	173,824 kWh (cursor)

Channel Legend Window

Details Window

5

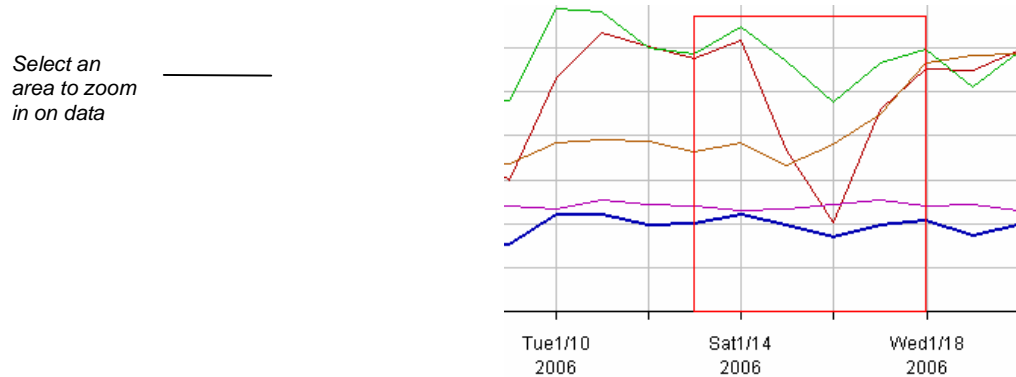# #3– ADDT'L FUNCTIONALITY W/ "INTERACTIVE GRAPH"

a) Zoom in and out on the line graph

> With line graphs you can click-drag within the graph to select any data area for zooming in.
>
> To restore the graph to the default view, right-click your mouse, while positioned on the graph.
>
> The detail of the data points for any view will depend on the summarization unit (e.g., monthly, daily, hourly) you selected when configuring the graph.

With more data points, the zoom becomes more useful.

Select an area to zoom in on data

b) Display Info

Info display

c) Bar Chart

Bar graph display
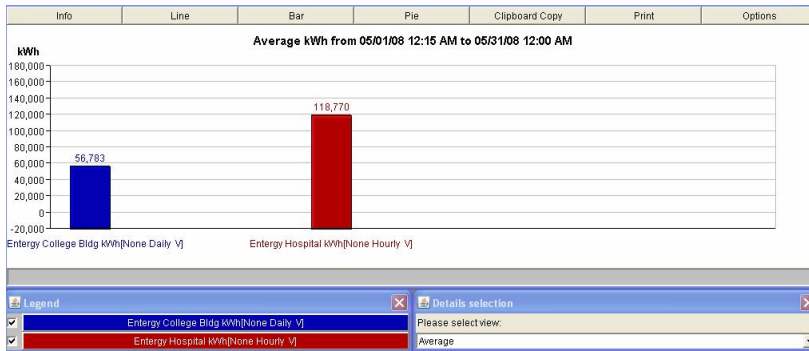
Detail window for bar chart
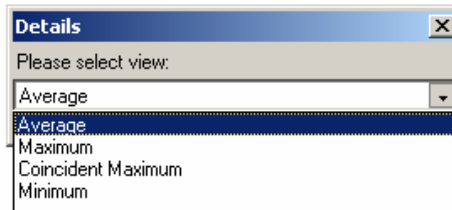
d) Pie Chart
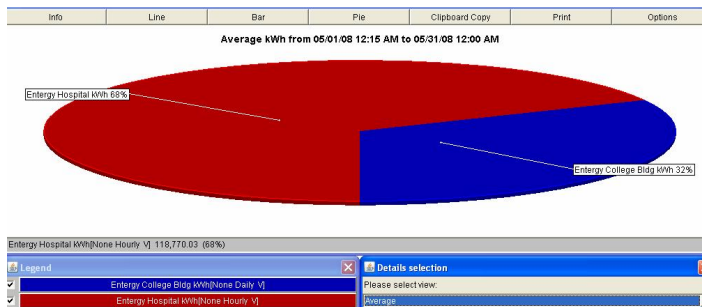
COMPARE LOADS (PGS 16–25)

#4 – COMPARE LOADS (SAME SITE '07 VS '08)

1. Select sites to compare

   Site 1:   Entergy College Bldg – kWh

   Start Date: 05-01-2008 (12:15:00 a.m.)

   End Date: 06-01-2008 (12:00:00 a.m.)

   Label: May 2008

   Site 2:   Entergy College Bldg – kWh

   Start Date: 05-01-2007 (12:15:00 a.m.)

   End Date: 06-01-2007 (12:00:00 a.m.)

   Label: May 2007

   Site 3:   none
   Site 4:   none
   Site 5:   none

2. Select options

   Create a: Static Graph

   Summarized by: Daily

   Time Zone: US/ Central

Input:

Results:

Static graph
display

Summary*

Channel	Min Value	Min Occurred At	Max Value	Max Occurred At	Sum	Average
May 2008	1,636.57	05/19/2008 00:00:00	78,118.74	05/09/2008 00:00:00	1,766,290.30	56,977.11
May 2007	2,369.58	05/26/2007 00:00:00	81,758.72	05/11/2007 00:00:00	1,808,751.95	58,346.84

Summary
text data
with static
graph
display

*Min Value Excludes Zeros

Load Factor**

Site Label	Load Factor
May 2008	65.23%
May 2007	64.94%

**Only those sites with either kW or kWh selected can display load factor.

#5 – COMPARE LOAD (SAME AS #4 – TABLE)

Table for Entergy Sample
for Thursday, May 1, 2008 12:15:00 AM through Sunday, June 1, 2008 12:00:00 AM
and Tuesday, May 1, 2007 12:15:00 AM through Friday, June 1, 2007 12:00:00 AM

Time	May 2008	May 2007
05/02/2008 00:00:00	73,483.86	75,892.98
05/03/2008 00:00:00	74,864.43	76,054.42
05/04/2008 00:00:00	67,022.68	74,911.90
05/05/2008 00:00:00	68,576.36	73,730.97
05/06/2008 00:00:00	75,388.90	69,867.46
05/07/2008 00:00:00	75,407.11	65,774.60
05/08/2008 00:00:00	77,315.23	71,972.33
05/09/2008 00:00:00	78,118.74	73,891.84
05/10/2008 00:00:00	68,607.45	79,259.28
05/11/2008 00:00:00	55,469.52	81,758.72
05/12/2008 00:00:00	54,594.69	72,627.09
05/13/2008 00:00:00	60,499.15	55,205.77
05/14/2008 00:00:00	60,078.03	51,187.09
05/15/2008 00:00:00	63,295.46	61,097.81
05/16/2008 00:00:00	62,358.37	63,640.86
05/17/2008 00:00:00	57,443.42	64,570.05
05/18/2008 00:00:00	11,699.96	60,228.25
05/19/2008 00:00:00	1,636.57	53,170.41
05/20/2008 00:00:00	48,461.54	22,760.66

Summary*

Channel	Min Value	Min Occurred At	Max Value	Max Occurred At	Sum	Average
May 2008	1,636.57	05/19/2008 00:00:00	78,118.74	05/09/2008 00:00:00	1,766,290.30	56,977.11
May 2007	2,369.58	05/26/2007 00:00:00	81,758.72	05/11/2007 00:00:00	1,808,751.95	58,346.84

*Min Value Excludes Zeros

Load Factor*

Site Label	Load Factor
May 2008	65.23%
May 2007	64.94%

**Only those sites with either kW or kWh selected can display load factor.

DEMAND PROFILE (PGS 27–28)

#6 – DEMAND PROFILE

The demand profile report shows single or aggregated site peak demand over a selected period of time.

1. **Pick a time (Use Calendar)**

   Start Date: 05-01-2008

   End Date: 06-01-2008

2. **Choose your options**

   Select a site: Entergy College Building

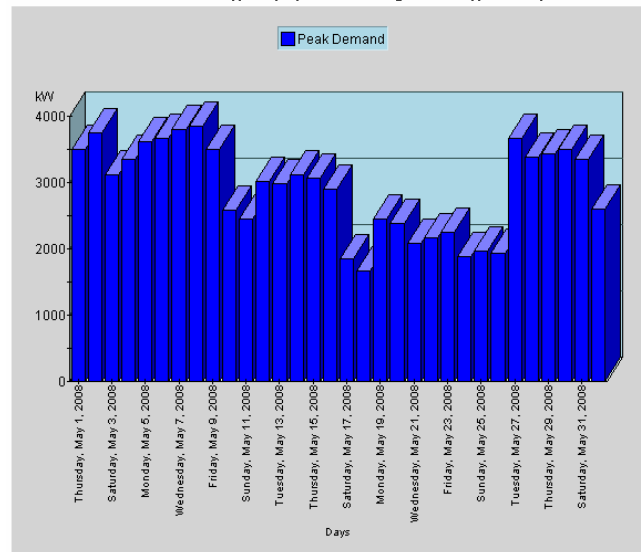   Create a: Bar Graph

   Time zone: US/Central

Input:

Results:

Results can be viewed in either graphical or tabular format.

Entergy Sample - Entergy College Bldg
Demand Profile for Thursday, May 1, 2008 through Sunday, June 1, 2008

Day	Peak Demand
Thursday, May 1, 2008	3,504.51
Friday, May 2, 2008	3,749.45
Saturday, May 3, 2008	3,117.47
Sunday, May 4, 2008	3,345.74
Monday, May 5, 2008	3,618.76
Tuesday, May 6, 2008	3,666.77
Wednesday, May 7, 2008	3,803.17
Thursday, May 8, 2008	3,847.36
Friday, May 9, 2008	3,500.06
Saturday, May 10, 2008	2,587.95
Sunday, May 11, 2008	2,457.17
Monday, May 12, 2008	3,012.40
Tuesday, May 13, 2008	2,981.24
Wednesday, May 14, 2008	3,124.12
Thursday, May 15, 2008	3,070.88

#7 – LOAD DURATION CURVE (PGS. 28–30)

The load duration curve report allows you to determine the percentage of time that a site's demand meets or exceeds a given level.

1. Pick a time: This Month
2. Choose your channels

   Entergy College Building
   - ✔ kW

   Entergy Hospital
   - ✔ kW

   Entergy Industrial
   - ✔ kW

3. Decide how you want to see it

   Create a: Interactive Graph

   Display Demand as: Percentage

Input:

Entergy Sample
Load Duration Curve

Data is available from Wednesday, November 28, 2001 10:30:00 AM to Monday, June 16, 2008 02:45:00 PM

Availability of data may vary from site to site.

① Pick a time
All Interval data is requested and displayed using interval ending time.
E.g. To request a single day's data, select/enter   Start Date: 01/01/2003 00:15
                                                     End Date : 01/02/2003 00:00

Choose a period from this list: [This month   ▾]

② Choose your channels

Entergy College Bldg [Daily ▾] 01-07-2003 to 06-16-2008
  ☑ kW ☐ kVar ☐ kVa

Entergy Hospital [Hourly ▾] 02-11-2004 to 06-16-2008
  ☑ kW ☐ kVar ☐ kVa

Entergy Industrial [Daily ▾] 11-28-2001 to 06-16-2008
  ☑ kW ☐ kVar ☐ kVa

③ Decide how you want to see it

Create a: [Interactive Graph ▾]

Display demand as: [Percentage ▾]

[Create] [Reset]

Results:

Info	Line	Bar	Pie	Clipboard Copy	Print	Options

kW % Demand from 06/01/08 12:00 AM to 07/01/08 12:00 AM

kW % Demand

(graph: y-axis 0–100, x-axis Percentage Time 0–100)

Percentage Time

Legend		Details (time zone: US/Central)		
☑ Entergy College Bldg kW[None Daily ▾]	■	0.07	100 kW % Demand	
☑ Entergy Hospital kW[None Hourly ▾]	■	0.07	100 kW % Demand	
☑ Entergy Industrial kW[None Daily ▾]	■	0.07	100 kW % Demand	
	☐	0.00	0 kW % Demand (cursor)	