

**CENTRAL MAINE POWER COMPANY
RESPONSE TO COMPETITIVE ENERGY SERVICES' DATA REQUEST NO. 1
DOCKET No. 2008-255**

September 11, 2008

CES-01-22

- Q.** Please provide in electronic format the data, models and analyses used in the Winter 2007 Update as discussed beginning on Page 13 of 20. Specifically, please provide in electronic format the historical data and load shape factors from 1990 to 2007 and the linear trends to project changes in load shapes for each of the 12 months, the data in the tables shown on pages 14, 16, and 17 of 20, the 90/10 load forecasts (including all data, equations and results) produced as shown on the table on page 16.
- A.** In Attachment 1 to this response, a PowerPoint presentation is provided as a summary of the Winter 2007 Update Forecast. This is an update to CMP's Fall 2006 sales and peak load forecasts for its entire service territory as well as its 11 service centers. Attachment 1 presents the annual sales forecast by customer class and for each service center as well as most likely (50/50) and extreme (90/10) peak load forecast for 2008-2011. With a few exceptions, the forecast shares the same assumptions as used by CMP in its ARP 2008 filing (Docket No. 2007-215). Full documentation of CMP assumptions and its methodology have been provided in Docket No. 2007-215. In its Bench Analysis, MPUC Staff accepted the Company's commercial and industrial sales forecasts, but argued that a higher residential sales forecast than that submitted by CMP should be used to establish distribution rates and to evaluate CMP's financial performance under in its ARP 2008 proposal.

In preparing the forecast, CMP reflected all of the energy savings that Efficiency Maine expects to achieve. The conservation savings estimates were obtained from Denis Bergeron of Efficiency Maine during the summer of 2006. Mr. Bergeron was only able to provide CMP with conservation savings through the year 2010. We have assumed that the incremental amount of savings that Efficiency Maine obtains in 2011 and thereafter is equal to what it expects to obtain in 2010. CMP's share of Maine savings is assumed to be 80%.

Attachment 2 provides the historical data and load shape factors from 1976 to 2007 and the linear trends used to project changes in load shapes for each of the 12 months. It also shows how the peak load forecast is calculated and provides the requested information shown on pages 14, 16 and 17.

Information related to the comparison of the Winter 2007 Update to the Fall 2006 Peak Load Forecast is provided in Attachment 3.

Response Prepared and Submitted By:

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GDS Associates, Inc.

Attachment(s):

1. CMP Peak Load Forecast, Winter 2007 Update
2. Historical Load Shape Data, Analysis & Peak Load Forecast
3. Comparison of Winter 2007 Update to the Fall 2006 Peak Load Forecast

CMP Peak Load Forecast Winter 2007 Update

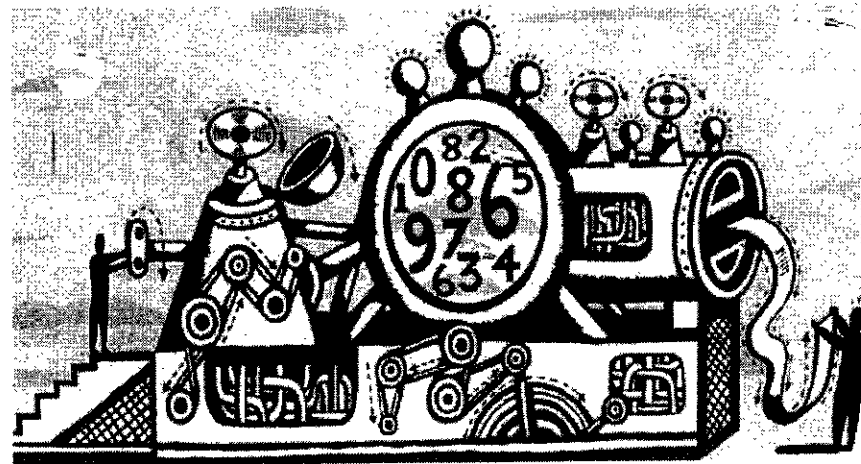
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December 28, 2007

The Forecast Process

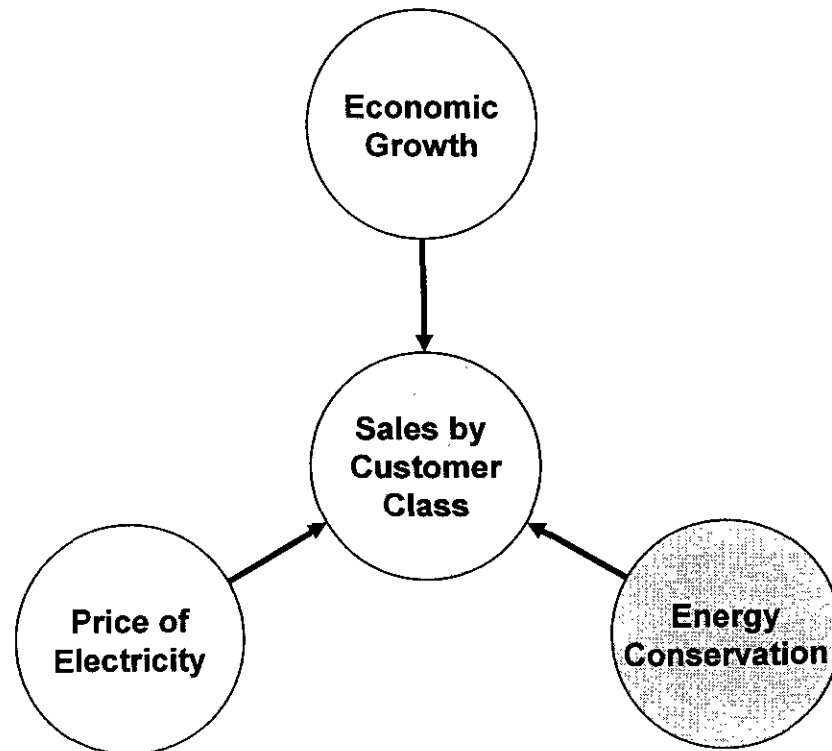
- Each Fall, CMP prepares a five year kWh sales & revenue forecast based on latest information available
 - *Global Insight's economic forecast for Maine & the US*
 - *Key Account interviews with large customers*
 - *CMP history on its customers, sales usage, &c.*
 - *Price of electricity & Efficiency Maine programs*



The Forecast Process

- **Thereafter, a monthly net energy & peak load forecast is produced that is**
 - *Consistent with the sales forecast*
 - *Reflects changes in peak load shape factors, 1990-2007*
 - *Extreme “90/10” peaks are developed*
- **Finally, sales & peak load forecasts for 11 service centers are prepared**

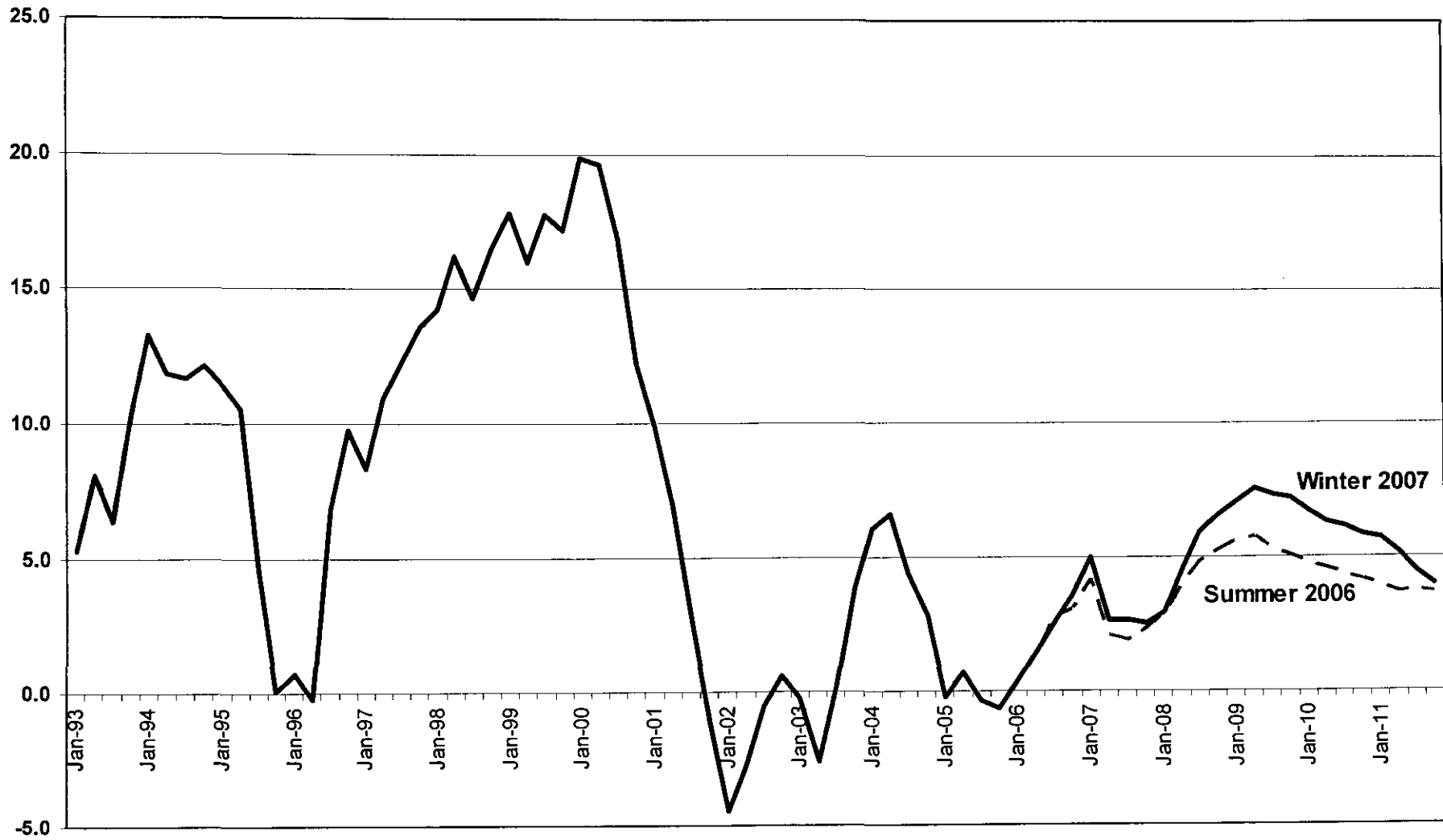
The Sales Forecast



The Forecast in a Nutshell

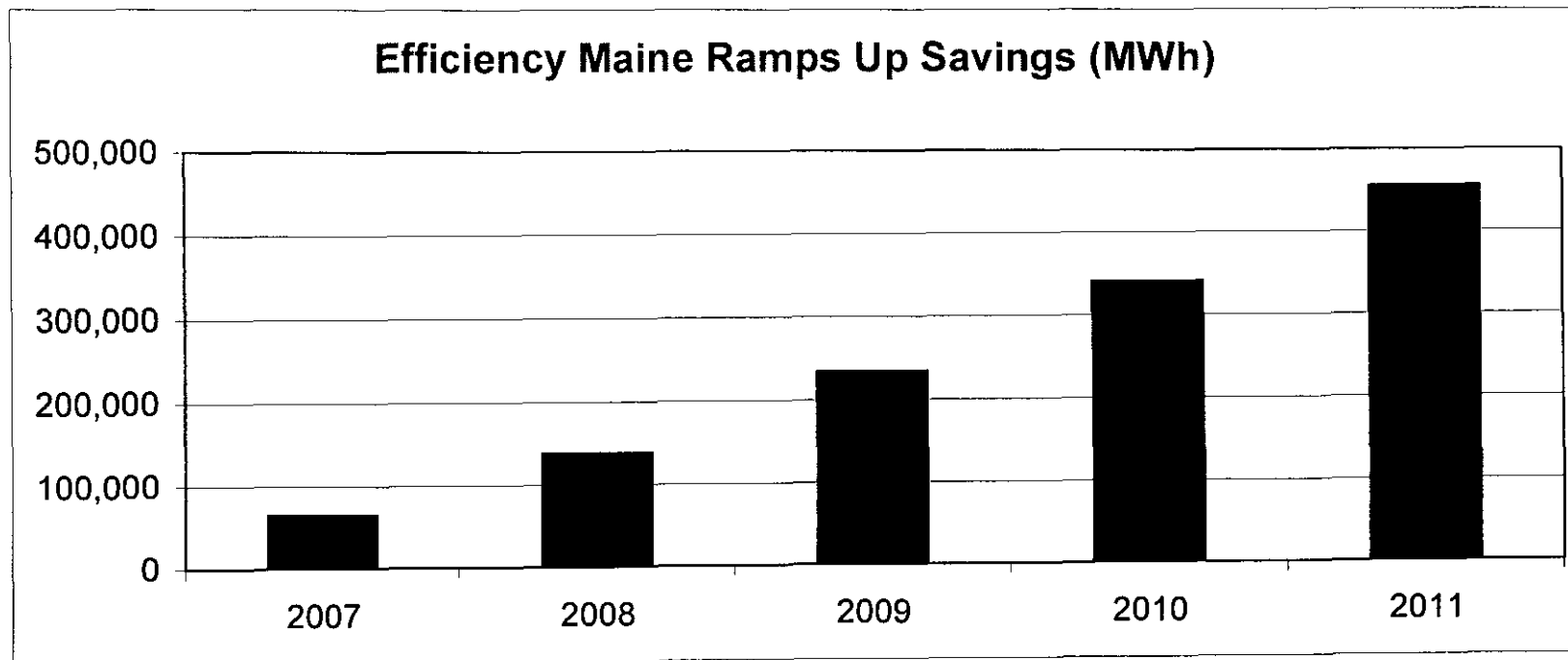
- Slow employment growth
 - *Based on Global Insight's economic outlook*
 - *Continued loss of manufacturing jobs*
- Slower customer growth
 - *Housing bubble deflates*
 - *Less consumer borrowing*
- Rising price of electricity & high oil prices
- Loss of key customers
 - *Most of VP-Jay & Specialty Minerals in 2008*
 - *BNAS in 2009-2011*
- Winter 2007 sales forecast updated in August 2007
 - *Total sales = +0.6% per annum, 2006-2011*

Annual Number of Jobs Created (Thous.), Maine



Efficiency Maine Programs

Cumulative Conservation Savings, Fall 2006				
	Residential	Commercial	Industrial	Total
2007	27,819	25,074	12,537	65,431
2008	47,070	60,902	30,451	138,423
2009	67,436	111,314	55,657	234,407
2010	90,017	167,091	83,546	340,654
2011	113,791	227,415	113,708	454,914



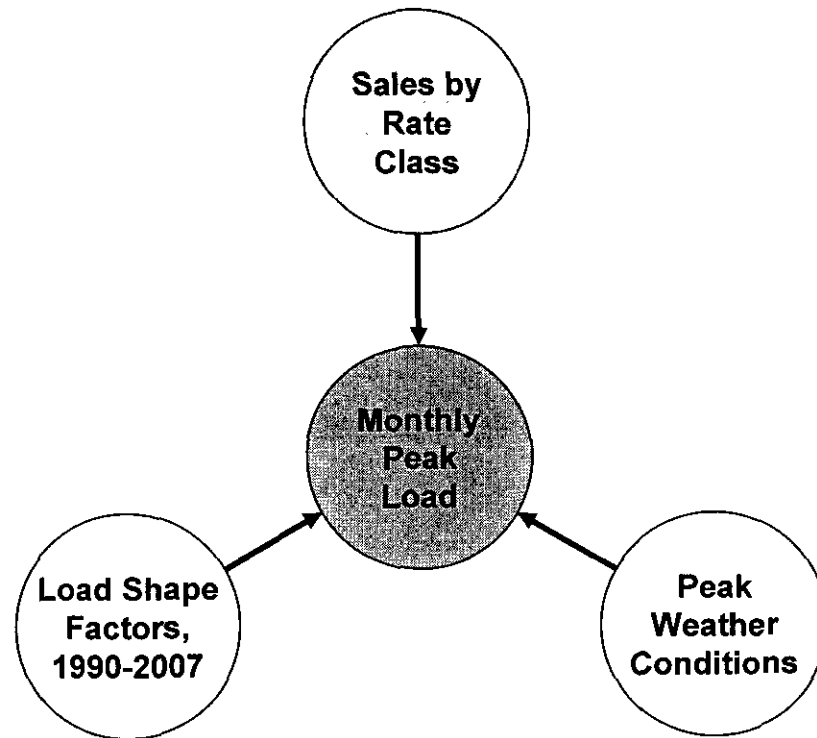
Annual Electricity Sales (mil. kWh) by Class, Winter 2007 Update (8/07)

	<u>Total</u> <u>Sales</u>	<u>Residential</u>	<u>Commercial</u>	<u>Total</u> <u>Industrial</u>	<u>Paper</u>	<u>Other</u> <u>Industrial</u>	<u>Lighting</u>	<u>Wholesale</u>
2000	9,428.0	2,946.7	2,813.2	3,633.1	1,993.9	1,639.3	35.0	0.0
2001	9,258.6	3,043.8	2,930.8	3,248.8	1,688.8	1,559.9	35.3	0.0
2002	8,705.5	3,147.4	3,000.3	2,522.3	986.7	1,535.5	35.5	0.0
2003	8,939.0	3,308.1	3,070.1	2,525.0	997.5	1,527.4	35.8	0.0
2004	9,223.8	3,399.8	3,144.3	2,643.5	1,085.0	1,558.5	36.2	0.0
2005	9,346.8	3,529.1	3,217.3	2,564.0	998.4	1,565.6	36.5	0.0
2006	8,955.2	3,431.4	3,207.1	2,279.8	729.4	1,550.4	36.8	0.0
2007	9,062.6	3,452.5	3,287.1	2,286.0	765.3	1,520.7	36.9	0.0
2008	8,915.9	3,415.8	3,373.6	2,089.0	537.8	1,551.2	37.5	0.0
2009	9,004.1	3,433.2	3,462.4	2,070.7	532.4	1,538.2	37.9	0.0
2010	9,108.7	3,512.7	3,513.9	2,043.9	528.7	1,515.2	38.2	0.0
2011	9,209.1	3,583.4	3,566.6	2,020.5	525.0	1,495.5	38.6	0.0

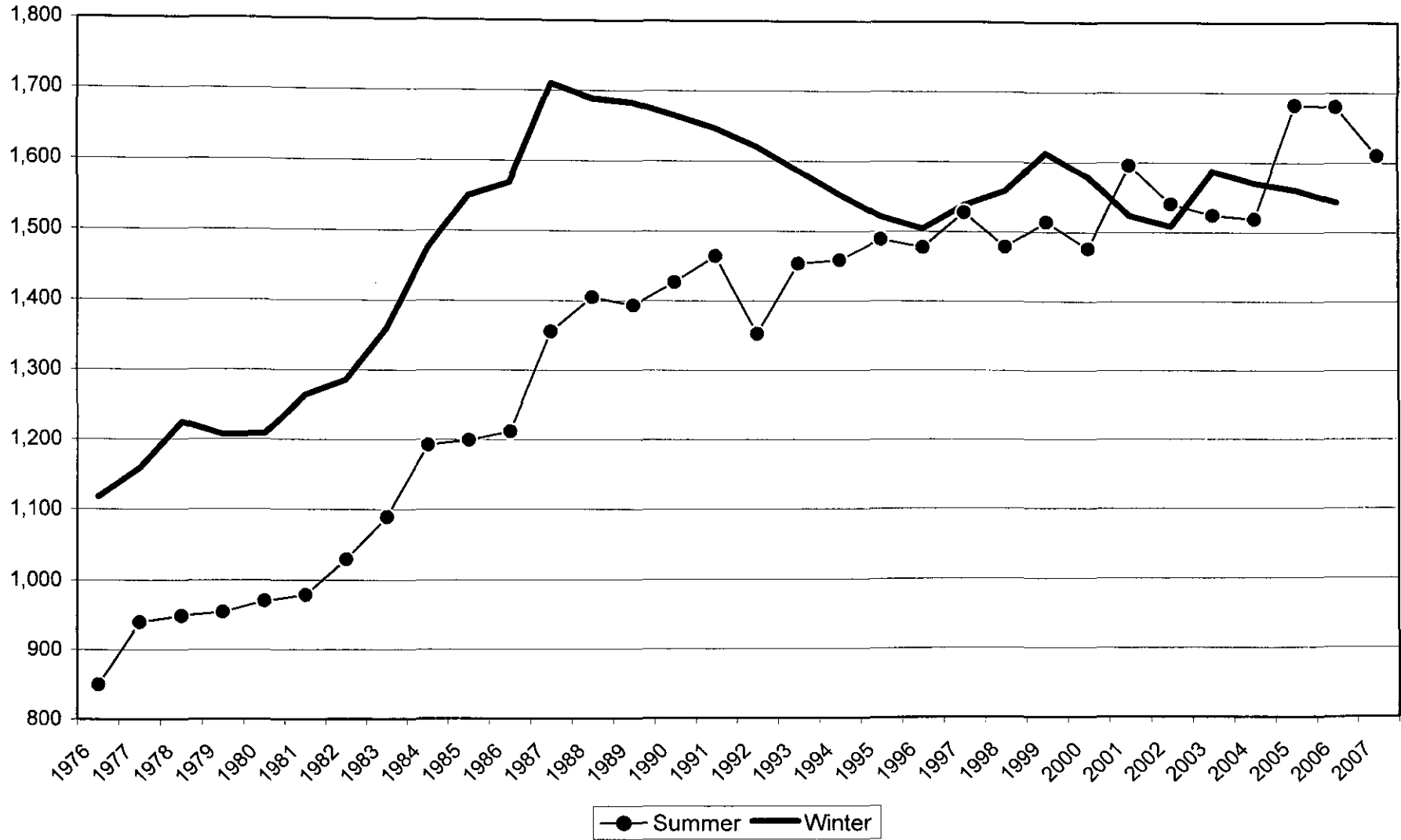
Percent Change in Annual Electricity Sales by Class

	<u>Total</u> <u>Sales</u>	<u>Residential</u>	<u>Commercial</u>	<u>Total</u> <u>Industrial</u>	<u>Paper</u>	<u>Other</u> <u>Industrial</u>	<u>Lighting</u>	<u>Wholesale</u>
2007	1.2%	0.6%	2.5%	0.3%	4.9%	-1.9%	0.2%	0.0%
2008	-1.6%	-1.1%	2.6%	-8.6%	-29.7%	2.0%	1.5%	0.0%
2009	1.0%	0.5%	2.6%	-0.9%	-1.0%	-0.8%	1.0%	0.0%
2010	1.2%	2.3%	1.5%	-1.3%	-0.7%	-1.5%	1.0%	0.0%
2011	1.1%	2.0%	1.5%	-1.1%	-0.7%	-1.3%	1.0%	0.0%
CAGR								
2006-11	0.6%	0.9%	2.1%	-2.4%	-6.4%	-0.7%	0.9%	
2007-11	0.4%	0.9%	2.1%	-3.0%	-9.0%	-0.4%	1.1%	

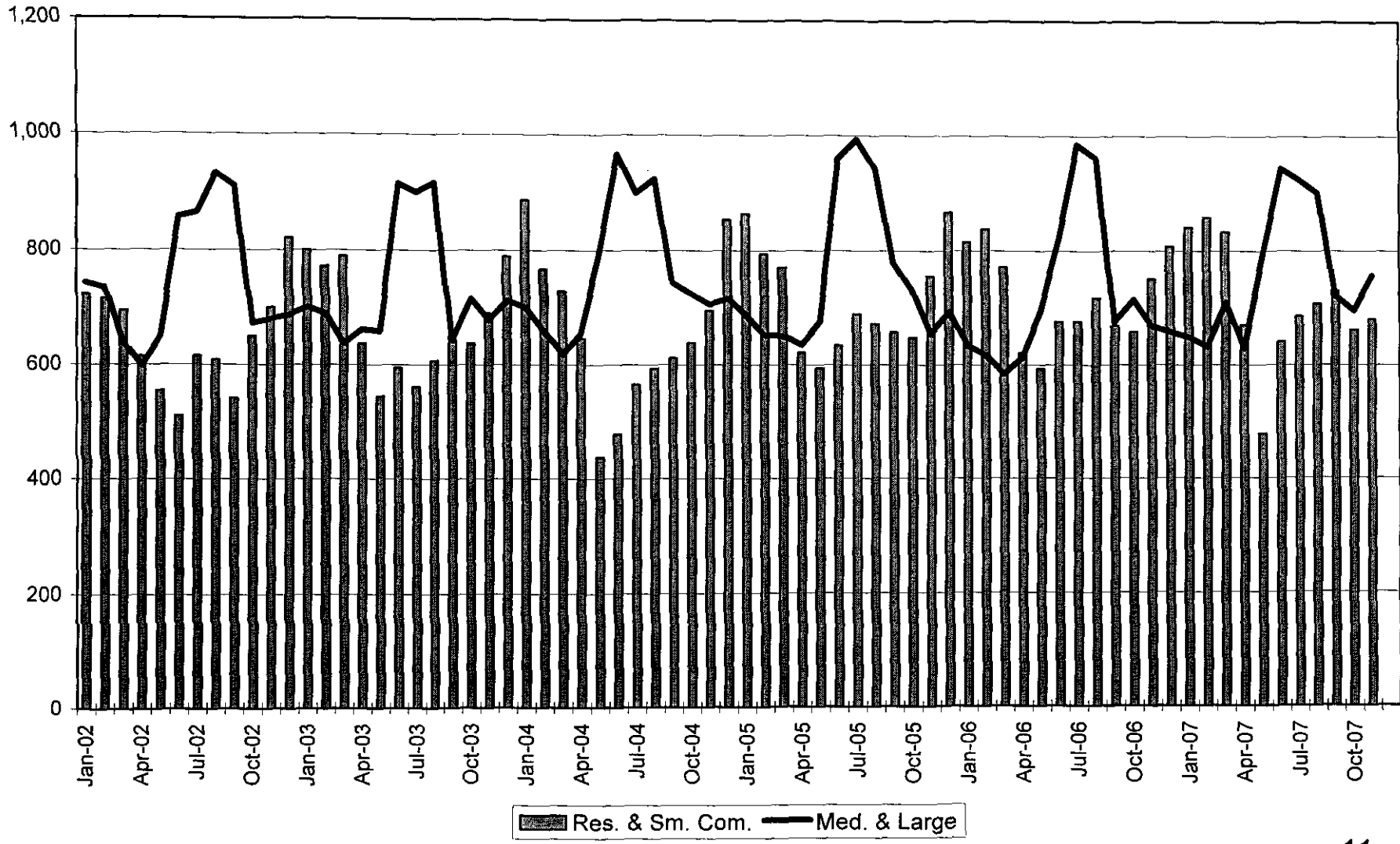
The Peak Load Forecast



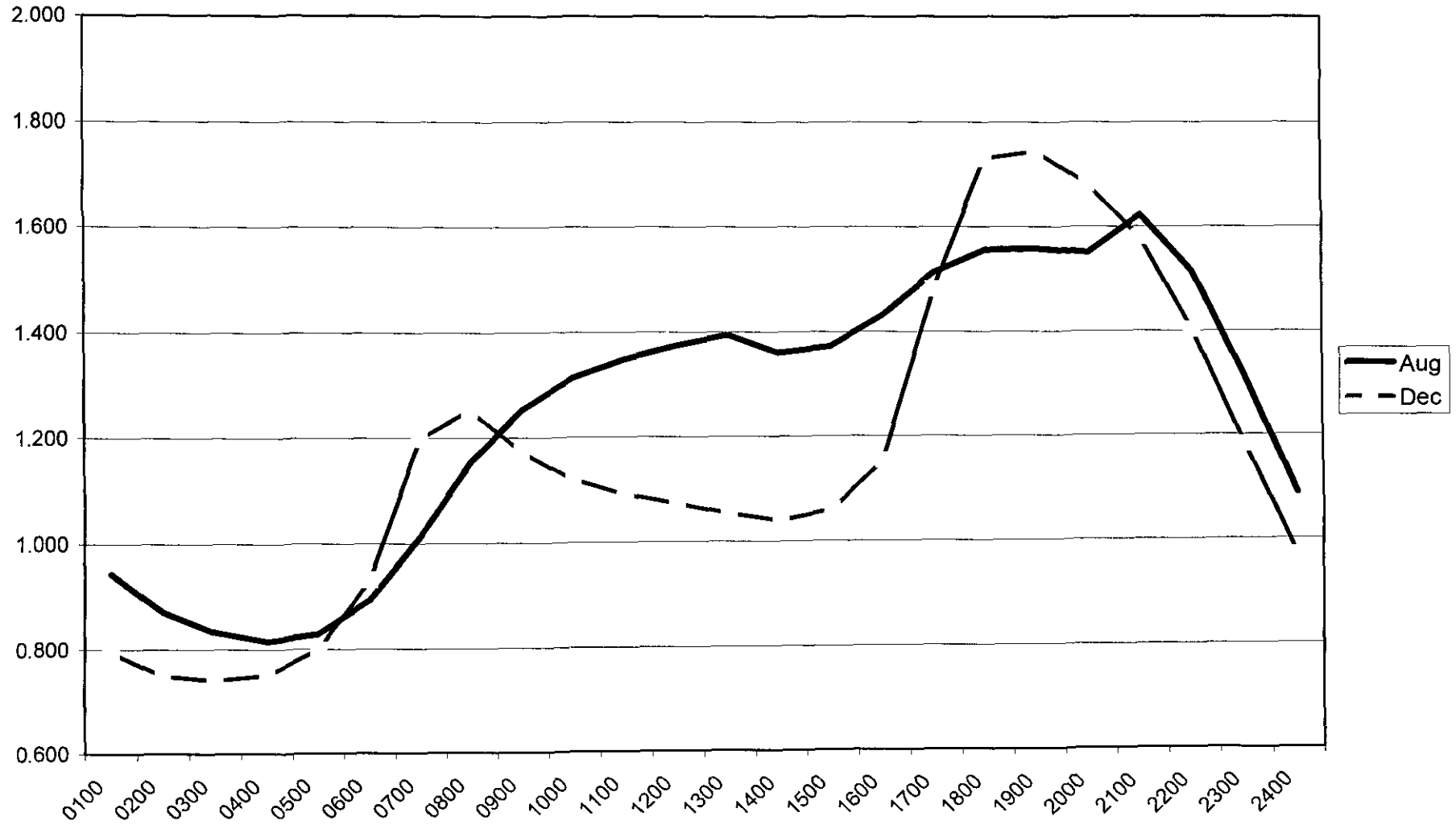
Winter & Summer Peak Load (MW)



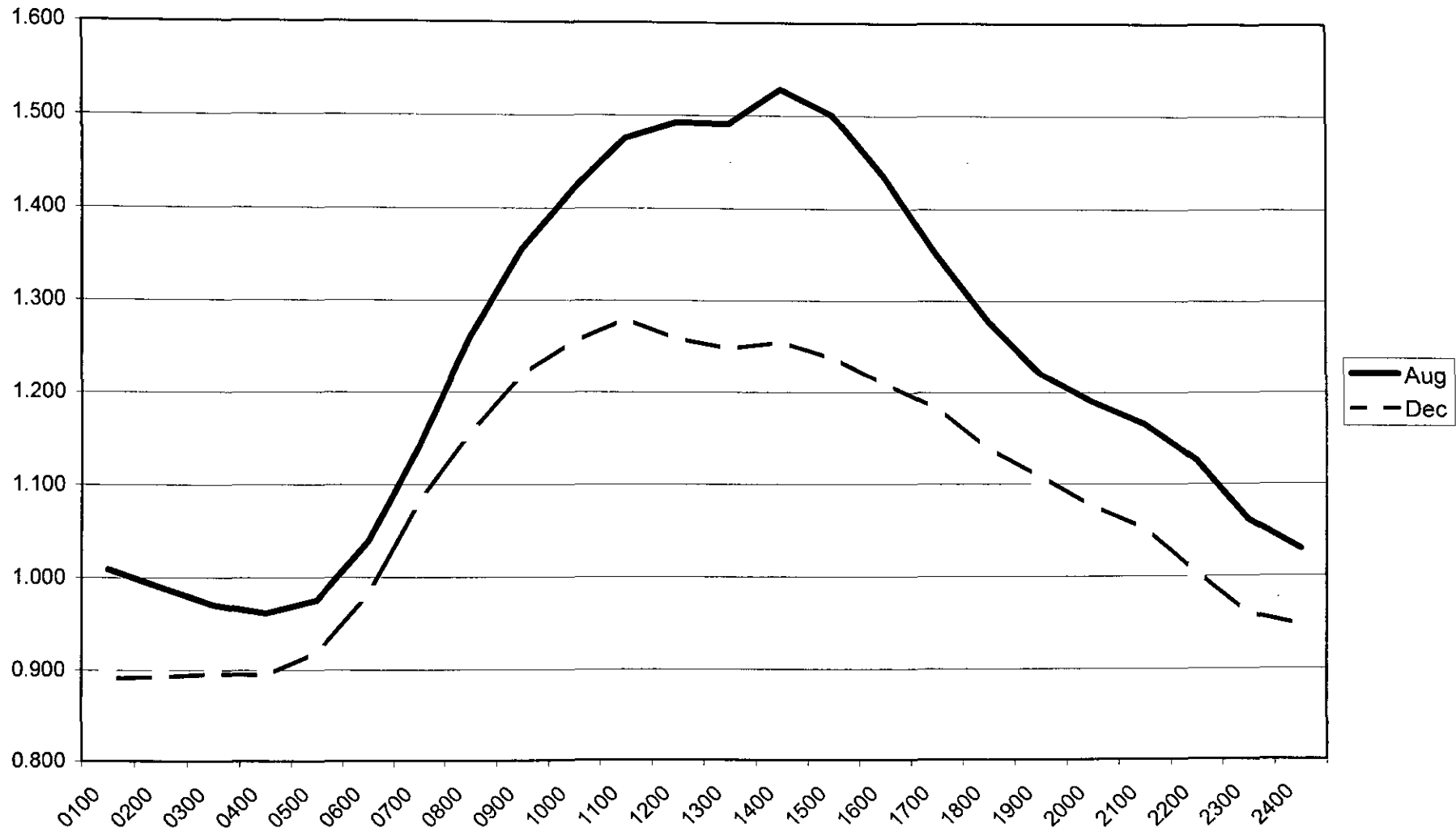
Coincident CMP Peak Load (MW), January 2002 to date



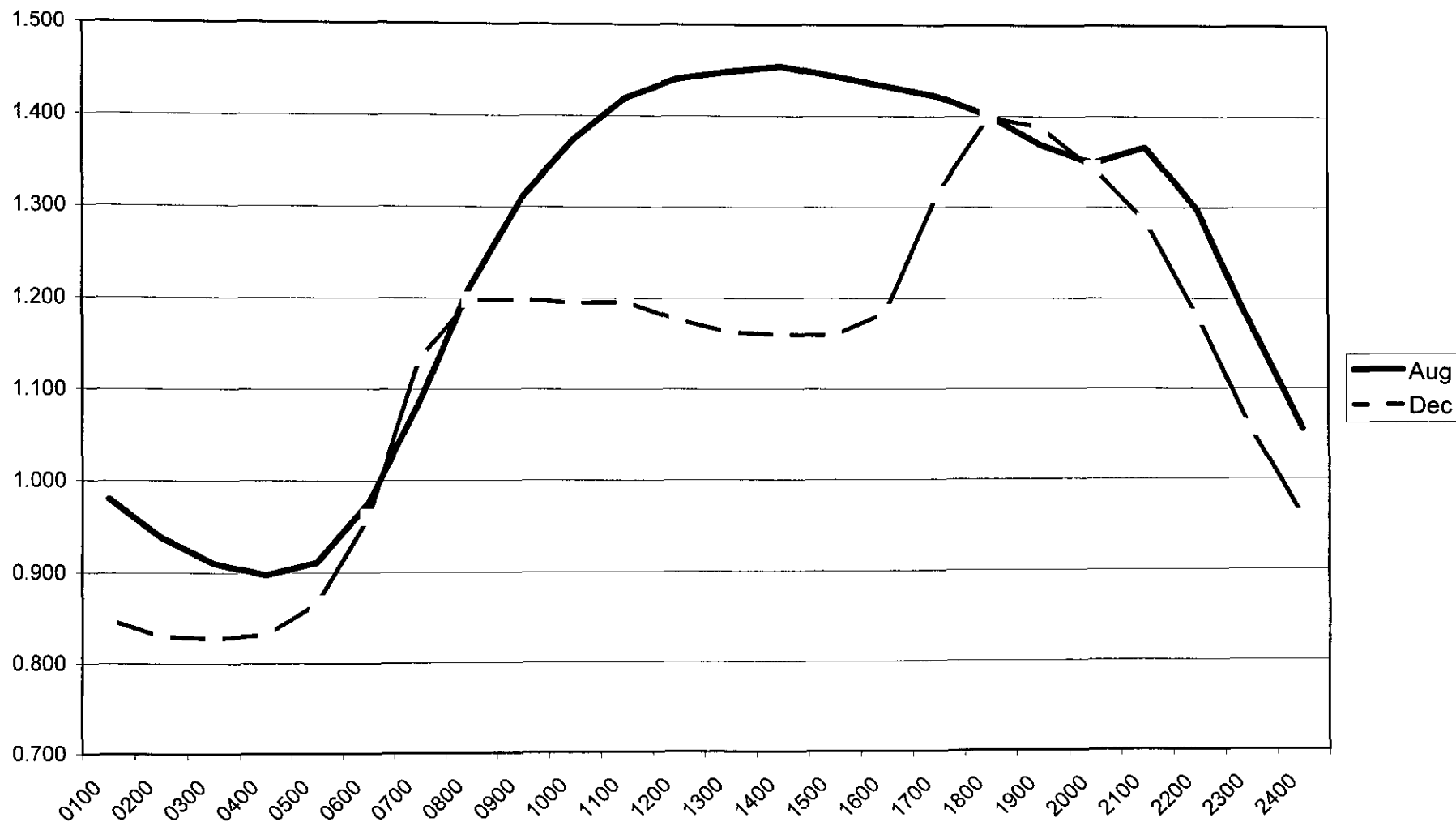
Peak Day Load Profile: Residential & Small Standard Offer Customers, Peak Load Relative to Average Annual Hourly Load, 2002-2007



Peak Day Load Profile: Medium & Large Customers, Peak Load Relative to Average Annual Hourly Load, 2002-2007



Peak Day Load Profile for CMP System, Peak Load Relative to Average Annual Hourly Load, 2002-2007



CMP Monthly Net Energy for Load (mil. kWh)

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Total</u>
1976	563.4	489.1	502.0	434.1	432.1	426.3	430.6	467.4	431.0	472.1	494.3	584.0	5,726.4
1977	592.3	517.9	536.4	472.5	466.6	461.4	468.4	502.5	463.4	486.9	508.0	581.2	6,057.4
1978	611.7	545.2	567.0	509.0	481.9	471.7	487.9	530.1	489.5	530.4	550.6	620.0	6,395.0
1979	639.0	610.9	576.1	518.2	486.8	459.8	510.0	526.3	482.7	541.6	517.3	577.1	6,445.6
1980	628.2	591.5	597.4	511.8	502.4	486.3	502.7	531.6	497.9	542.2	558.8	644.2	6,594.9
1981	683.4	538.5	582.8	528.3	512.7	509.3	532.2	548.1	515.4	552.2	556.3	618.2	6,677.4
1982	701.7	602.0	631.7	573.6	529.9	554.4	557.7	571.1	544.7	577.0	575.3	648.6	7,067.7
1983	708.2	628.8	651.1	615.6	598.1	599.0	605.5	659.5	603.0	637.1	646.3	744.2	7,696.3
1984	767.4	677.7	742.8	653.2	643.9	624.1	646.6	690.9	619.0	678.5	687.7	729.8	8,161.7
1985	826.9	710.5	737.2	665.5	662.2	642.1	672.2	688.6	605.4	691.4	686.5	805.2	8,393.8
1986	807.5	735.7	769.0	657.5	673.6	663.0	689.1	702.7	687.9	731.0	761.2	833.3	8,711.6
1987	879.6	777.6	817.8	708.2	700.2	694.8	741.6	745.9	711.8	736.0	771.3	861.6	9,146.4
1988	909.6	823.9	838.8	769.7	727.4	750.5	766.8	814.9	715.2	774.9	771.8	898.3	9,561.8
1989	890.7	820.9	863.8	765.8	767.8	719.1	792.6	797.9	755.5	804.1	821.5	968.1	9,767.6
1990	912.4	817.7	864.8	775.9	753.7	741.7	780.9	815.2	772.7	824.2	807.9	857.0	9,724.0
1991	924.1	817.3	858.1	757.2	762.6	717.1	804.8	812.1	736.2	802.4	769.8	935.3	9,697.0
1992	929.2	849.4	858.1	801.7	746.0	738.3	777.8	778.5	768.1	806.8	794.1	894.5	9,742.5
1993	902.8	825.9	852.5	776.8	737.8	756.9	834.1	828.4	753.2	790.8	794.0	876.7	9,729.9
1994	932.4	805.2	832.2	765.0	742.4	794.5	839.0	833.7	742.2	761.4	765.5	828.1	9,641.7
1995	840.9	785.1	796.9	746.0	747.4	769.2	820.1	852.3	762.3	758.1	788.4	830.0	9,496.7
1996	854.8	811.7	834.9	770.9	767.1	777.6	810.5	884.2	802.1	826.9	788.8	865.2	9,794.7
1997	912.8	787.4	842.1	786.7	785.4	788.5	853.1	860.5	805.6	835.4	795.3	882.4	9,935.2
1998	816.1	770.3	809.1	761.6	741.9	743.3	870.8	854.7	777.2	810.6	798.4	848.5	9,602.5
1999	870.6	753.0	839.8	771.4	753.4	783.0	910.8	825.8	802.2	794.6	783.9	856.1	9,744.6
2000	875.3	802.3	811.1	776.0	790.2	811.1	842.5	874.9	801.4	837.7	818.6	909.4	9,950.5
2001	877.1	775.2	826.1	749.4	768.3	807.3	822.8	894.9	773.7	800.4	770.7	841.2	9,707.1
2002	856.3	761.1	744.1	685.5	707.0	737.3	809.5	838.2	742.9	759.4	746.8	828.7	9,216.8
2003	855.3	762.8	788.8	741.2	720.5	756.8	853.8	851.5	734.9	763.2	749.3	839.9	9,418.0
2004	902.8	773.2	781.5	724.0	737.9	790.0	851.9	872.9	775.3	812.3	778.0	866.1	9,665.9
2005	888.5	765.2	816.2	740.1	759.6	820.4	894.3	894.9	790.0	809.6	781.7	876.4	9,836.8
2006	827.1	747.3	780.1	702.8	747.2	792.6	906.8	850.0	752.0	780.7	749.6	824.0	9,460.2
2007	858.7	772.2	840.1	731.7	747.6	780.6	846.8	852.5					

CMP Average Hourly Load by Month (MW)

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Total</u>
1976	757.3	702.7	674.7	603.7	580.7	592.1	578.8	628.2	598.6	634.6	685.5	784.9	651.9
1977	796.2	770.6	721.0	657.2	627.1	640.8	629.6	675.4	643.6	654.5	704.6	781.1	691.5
1978	822.2	811.3	762.1	707.9	647.6	655.2	655.8	712.5	679.8	712.9	763.6	833.4	730.0
1979	858.9	909.0	774.4	720.7	654.3	638.6	685.4	707.4	670.4	727.9	717.4	775.6	735.8
1980	844.3	849.8	803.0	711.8	675.2	675.4	675.7	714.5	691.5	728.8	775.0	865.8	750.8
1981	918.5	801.4	783.3	734.7	689.1	707.4	715.3	736.8	715.8	742.2	771.6	830.9	762.3
1982	943.1	895.9	849.0	797.7	712.2	769.9	749.6	767.6	756.5	775.6	797.9	871.8	806.8
1983	951.9	935.7	875.1	856.1	803.9	832.0	813.9	886.5	837.5	856.3	896.3	1,000.2	878.6
1984	1,031.4	973.6	998.4	908.5	865.5	866.9	869.0	928.7	859.7	912.0	953.8	981.0	929.2
1985	1,111.4	1,057.3	990.9	925.6	890.0	891.8	903.5	925.5	840.8	929.3	952.2	1,082.3	958.2
1986	1,085.4	1,094.7	1,033.7	914.5	905.4	920.9	926.2	944.4	955.5	982.5	1,055.8	1,120.1	994.5
1987	1,182.3	1,157.1	1,099.2	985.0	941.2	965.1	996.8	1,002.5	988.6	989.3	1,069.8	1,158.0	1,044.1
1988	1,222.6	1,183.7	1,127.4	1,070.5	977.7	1,042.3	1,030.6	1,095.3	993.4	1,041.6	1,070.4	1,207.4	1,088.5
1989	1,197.1	1,221.6	1,161.0	1,065.0	1,032.0	998.8	1,065.3	1,072.4	1,049.2	1,080.7	1,139.3	1,301.2	1,115.0
1990	1,226.4	1,216.7	1,162.3	1,079.1	1,013.0	1,030.1	1,049.6	1,095.7	1,073.2	1,107.9	1,120.5	1,151.8	1,110.0
1991	1,242.0	1,216.2	1,153.4	1,053.2	1,025.0	996.0	1,081.8	1,091.6	1,022.5	1,078.4	1,067.6	1,257.1	1,107.0
1992	1,249.0	1,220.4	1,153.4	1,115.0	1,002.7	1,025.4	1,045.4	1,046.4	1,066.7	1,084.4	1,101.4	1,202.3	1,109.1
1993	1,213.4	1,229.1	1,145.8	1,080.4	991.6	1,051.3	1,121.1	1,113.5	1,046.0	1,062.9	1,101.2	1,178.3	1,110.7
1994	1,253.3	1,198.2	1,118.5	1,064.0	997.9	1,103.4	1,127.6	1,120.5	1,030.9	1,023.4	1,061.7	1,113.1	1,100.6
1995	1,130.3	1,168.3	1,071.0	1,037.6	1,004.6	1,068.4	1,102.2	1,145.5	1,058.8	1,019.0	1,093.5	1,115.6	1,084.1
1996	1,148.9	1,166.3	1,122.2	1,072.2	1,031.0	1,080.0	1,089.4	1,188.5	1,114.1	1,111.4	1,094.0	1,162.9	1,115.1
1997	1,226.8	1,171.7	1,131.9	1,094.2	1,055.7	1,095.1	1,146.6	1,156.6	1,118.8	1,122.9	1,103.0	1,186.0	1,134.2
1998	1,096.9	1,146.2	1,087.6	1,059.2	997.2	1,032.3	1,170.5	1,148.9	1,079.4	1,089.5	1,107.3	1,140.5	1,096.2
1999	1,170.1	1,120.5	1,128.8	1,072.9	1,012.6	1,087.5	1,224.2	1,110.0	1,114.1	1,068.0	1,087.3	1,150.7	1,112.4
2000	1,176.5	1,152.8	1,090.2	1,079.3	1,062.1	1,126.6	1,132.4	1,175.9	1,113.0	1,125.9	1,135.4	1,222.3	1,132.8
2001	1,178.9	1,153.5	1,110.3	1,042.3	1,032.7	1,121.3	1,105.9	1,202.8	1,074.6	1,075.8	1,069.0	1,130.6	1,108.1
2002	1,150.9	1,132.5	1,000.2	953.5	950.3	1,024.0	1,088.0	1,126.6	1,031.8	1,020.7	1,035.8	1,113.8	1,052.1
2003	1,149.7	1,135.1	1,060.2	1,030.9	968.4	1,051.1	1,147.6	1,144.4	1,020.6	1,025.8	1,039.2	1,128.9	1,075.1
2004	1,213.4	1,110.9	1,050.4	1,007.0	991.8	1,097.3	1,145.1	1,173.3	1,076.8	1,091.8	1,079.0	1,164.1	1,100.4
2005	1,194.2	1,138.7	1,097.0	1,029.3	1,021.0	1,139.4	1,202.1	1,202.9	1,097.2	1,088.1	1,084.3	1,177.9	1,122.9
2006	1,111.6	1,112.1	1,048.6	977.4	1,004.3	1,100.9	1,218.8	1,142.5	1,044.4	1,049.3	1,039.7	1,107.5	1,079.9
2007	1,154.1	1,149.1	1,129.2	1,017.7	1,004.9	1,084.1	1,138.1	1,145.8					1,088.6

CMP SYSTEM Peak Load (MW)

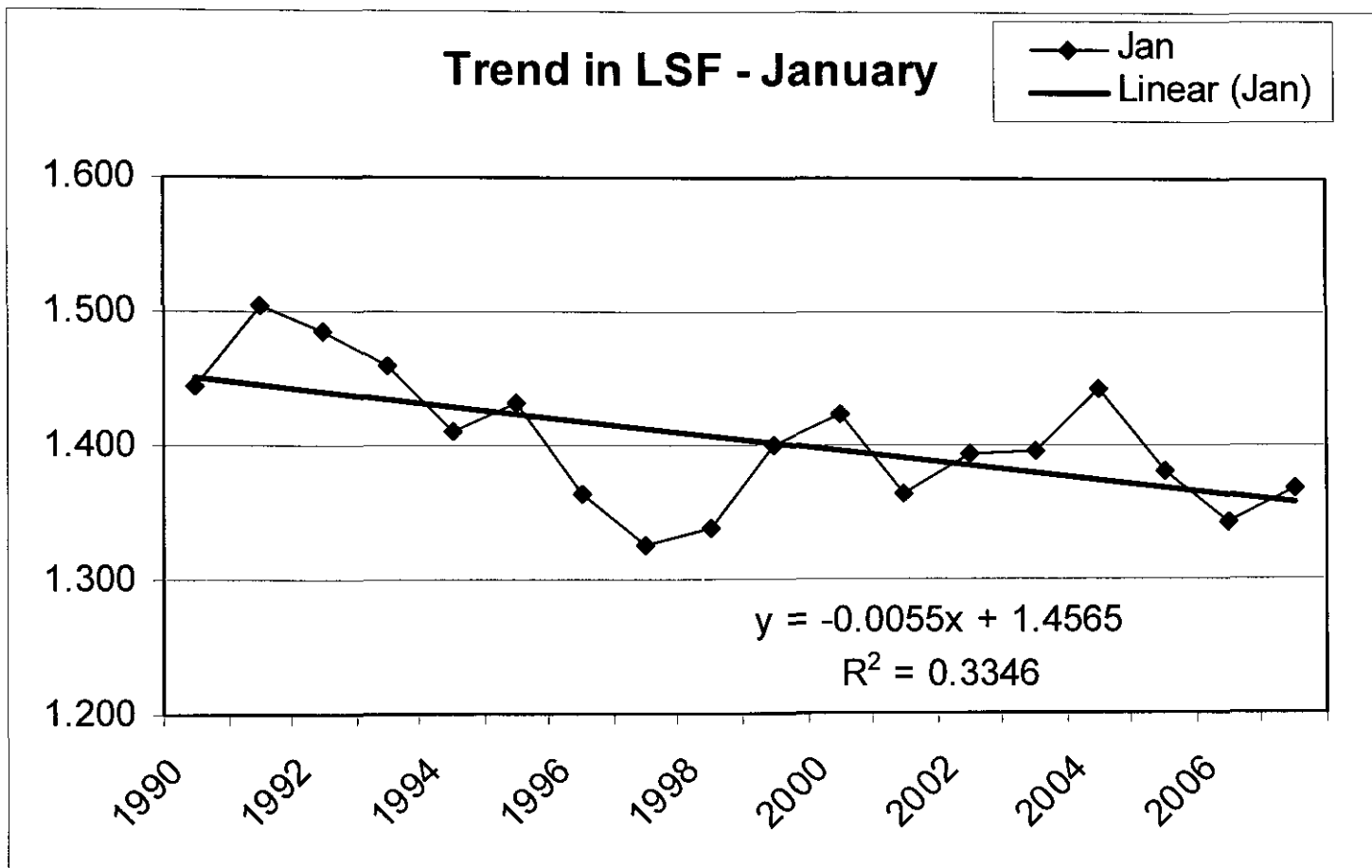
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>MAX</u>	<u>Summer</u>	<u>Winter</u>
1976	1,040.9	998.2	916.2	855.0	790.9	812.8	802.0	850.1	781.4	860.2	965.2	1,117.7	1,117.7	850.1	1,117.7
1977	1,062.3	1,011.8	942.1	914.8	870.5	823.8	935.5	939.8	863.2	873.7	1,016.7	1,158.7	1,158.7	939.8	1,158.7
1978	1,133.9	1,112.6	1,029.9	944.8	906.6	878.9	930.1	948.8	890.3	983.7	1,131.1	1,173.3	1,173.3	948.8	1,224.8
1979	1,173.3	1,224.8	1,058.5	979.6	872.4	865.3	949.5	954.0	889.8	964.3	1,012.5	1,206.7	1,224.8	954.0	1,206.7
1980	1,137.7	1,092.2	1,086.1	929.7	873.0	912.8	966.8	970.0	895.9	973.0	1,085.1	1,193.1	1,193.1	970.0	1,208.6
1981	1,208.6	1,097.8	1,040.1	987.0	889.0	918.6	939.0	978.6	937.6	994.9	1,045.1	1,164.9	1,208.6	978.6	1,264.2
1982	1,264.2	1,176.5	1,124.9	1,079.9	936.7	967.3	1,029.9	973.9	953.3	968.5	1,062.0	1,273.2	1,273.2	1,029.9	1,286.0
1983	1,286.0	1,206.6	1,114.3	1,032.5	1,016.5	1,043.2	1,055.8	1,089.1	1,047.6	1,069.3	1,161.8	1,349.5	1,349.5	1,089.1	1,360.2
1984	1,360.2	1,271.7	1,321.7	1,144.0	1,108.6	1,123.1	1,097.2	1,192.4	1,062.3	1,107.3	1,243.6	1,387.1	1,387.1	1,192.4	1,475.3
1985	1,475.3	1,380.1	1,278.6	1,179.0	1,127.8	1,130.0	1,157.9	1,199.0	1,133.0	1,211.4	1,316.3	1,435.7	1,475.3	1,199.0	1,550.0
1986	1,550.0	1,393.9	1,349.0	1,165.5	1,171.1	1,145.1	1,207.7	1,211.6	1,175.4	1,243.8	1,414.9	1,568.7	1,568.7	1,211.6	1,568.7
1987	1,538.0	1,477.4	1,431.6	1,266.4	1,226.1	1,194.1	1,259.6	1,355.9	1,260.7	1,305.9	1,406.5	1,559.1	1,559.1	1,355.9	1,709.8
1988	1,709.8	1,458.6	1,478.2	1,286.2	1,240.5	1,290.8	1,295.3	1,405.5	1,211.0	1,330.3	1,402.4	1,637.4	1,709.8	1,405.5	1,688.7
1989	1,688.7	1,571.1	1,530.5	1,327.4	1,284.2	1,278.3	1,393.7	1,342.6	1,269.5	1,369.9	1,509.6	1,683.1	1,688.7	1,393.7	1,683.1
1990	1,604.3	1,530.2	1,499.0	1,301.8	1,285.2	1,227.4	1,426.9	1,403.7	1,221.2	1,418.5	1,448.6	1,533.3	1,604.3	1,426.9	1,665.6
1991	1,665.6	1,542.4	1,428.0	1,384.5	1,341.6	1,371.1	1,464.2	1,406.4	1,313.5	1,403.0	1,461.2	1,570.4	1,665.6	1,464.2	1,647.4
1992	1,647.4	1,597.0	1,472.6	1,354.6	1,300.3	1,288.8	1,332.0	1,352.5	1,273.3	1,344.7	1,451.4	1,557.2	1,647.4	1,352.5	1,620.9
1993	1,620.9	1,610.6	1,477.4	1,390.5	1,210.4	1,336.0	1,402.3	1,453.7	1,351.1	1,344.6	1,384.8	1,586.8	1,620.9	1,453.7	1,586.8
1994	1,552.6	1,576.2	1,467.2	1,368.1	1,277.7	1,346.0	1,458.9	1,434.3	1,248.1	1,279.5	1,415.1	1,507.9	1,576.2	1,458.9	1,552.6
1995	1,552.6	1,502.3	1,340.4	1,377.8	1,221.1	1,426.2	1,489.2	1,404.3	1,268.2	1,393.1	1,469.3	1,485.3	1,552.6	1,489.2	1,521.4
1996	1,521.4	1,480.6	1,478.1	1,360.6	1,321.7	1,463.9	1,433.2	1,477.6	1,434.1	1,420.7	1,508.4	1,504.4	1,521.4	1,477.6	1,504.4
1997	1,504.0	1,433.0	1,352.7	1,348.3	1,350.8	1,444.1	1,527.6	1,505.5	1,348.5	1,480.0	1,493.6	1,538.2	1,538.2	1,527.6	1,538.2
1998	1,466.6	1,417.0	1,473.9	1,383.0	1,325.5	1,452.0	1,478.8	1,472.3	1,327.8	1,424.2	1,471.2	1,507.9	1,507.9	1,478.8	1,558.5
1999	1,558.5	1,509.4	1,464.8	1,318.4	1,257.5	1,514.3	1,465.9	1,452.2	1,465.7	1,392.6	1,431.4	1,490.2	1,558.5	1,514.3	1,612.9
2000	1,612.9	1,466.6	1,367.9	1,319.7	1,290.2	1,472.7	1,411.8	1,476.4	1,461.1	1,448.5	1,473.0	1,579.2	1,612.9	1,476.4	1,579.2
2001	1,512.1	1,454.6	1,417.9	1,289.5	1,254.7	1,471.4	1,547.7	1,595.9	1,399.2	1,371.9	1,421.5	1,523.8	1,595.9	1,595.9	1,523.8
2002	1,465.5	1,450.2	1,332.9	1,212.9	1,204.1	1,368.2	1,481.8	1,540.7	1,452.4	1,322.7	1,379.7	1,508.7	1,540.7	1,540.7	1,508.7
2003	1,501.1	1,462.0	1,426.7	1,298.7	1,202.4	1,510.5	1,461.6	1,524.3	1,290.8	1,352.3	1,367.7	1,502.0	1,524.3	1,524.3	1,587.4
2004	1,587.4	1,425.8	1,346.5	1,299.9	1,230.1	1,444.0	1,465.2	1,518.9	1,354.8	1,362.8	1,400.6	1,570.6	1,587.4	1,518.9	1,570.6
2005	1,551.6	1,447.3	1,421.2	1,255.8	1,269.0	1,593.8	1,682.5	1,616.0	1,436.3	1,378.3	1,410.4	1,560.8	1,682.5	1,682.5	1,560.8
2006	1,449.5	1,455.6	1,355.3	1,234.9	1,290.0	1,497.7	1,662.0	1,680.6	1,342.8	1,372.3	1,418.9	1,465.7	1,680.6	1,680.6	1,543.4
2007	1,490.3	1,492.2	1,543.4	1,298.0	1,267.7	1,584.5	1,610.6	1,610.7					1,610.7	1,610.7	

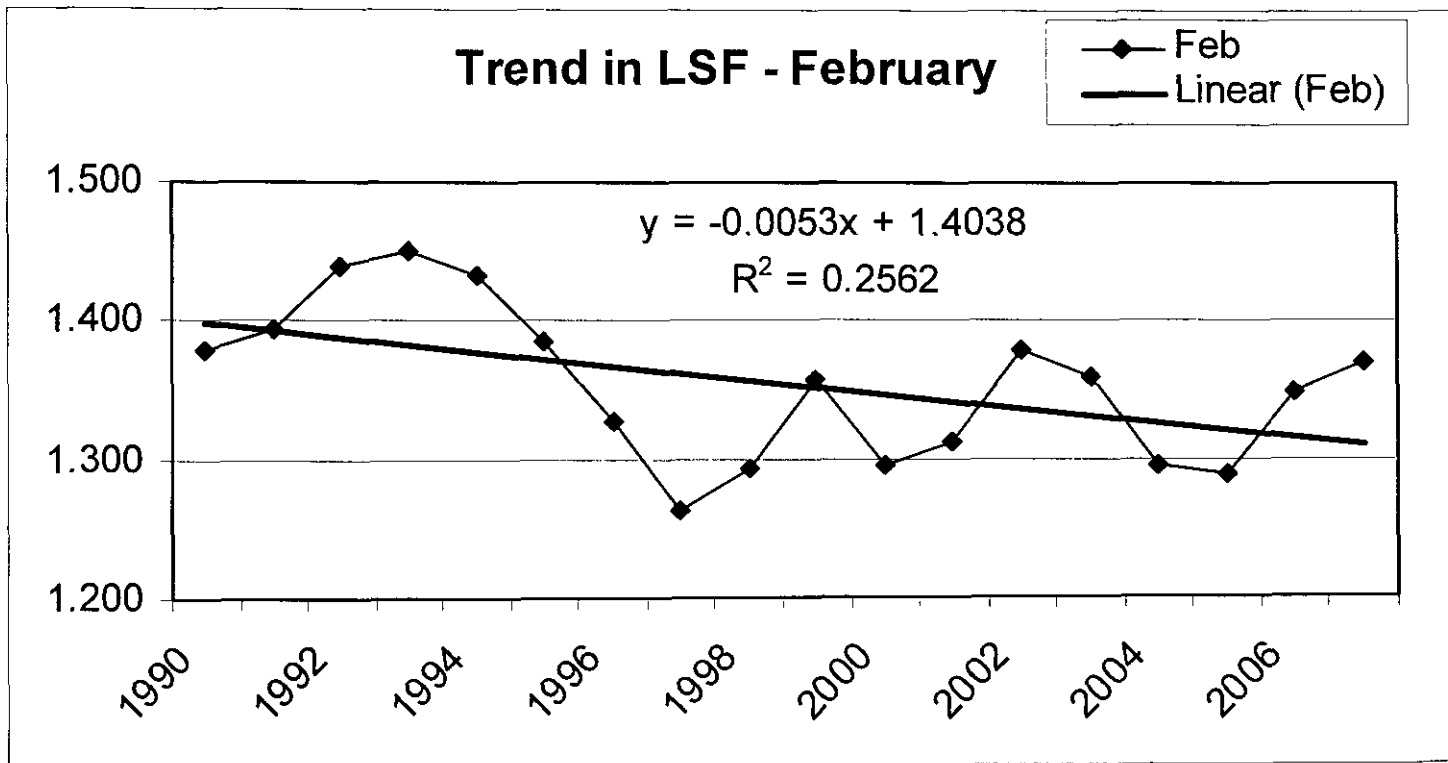
Trends in Load Shape Factors

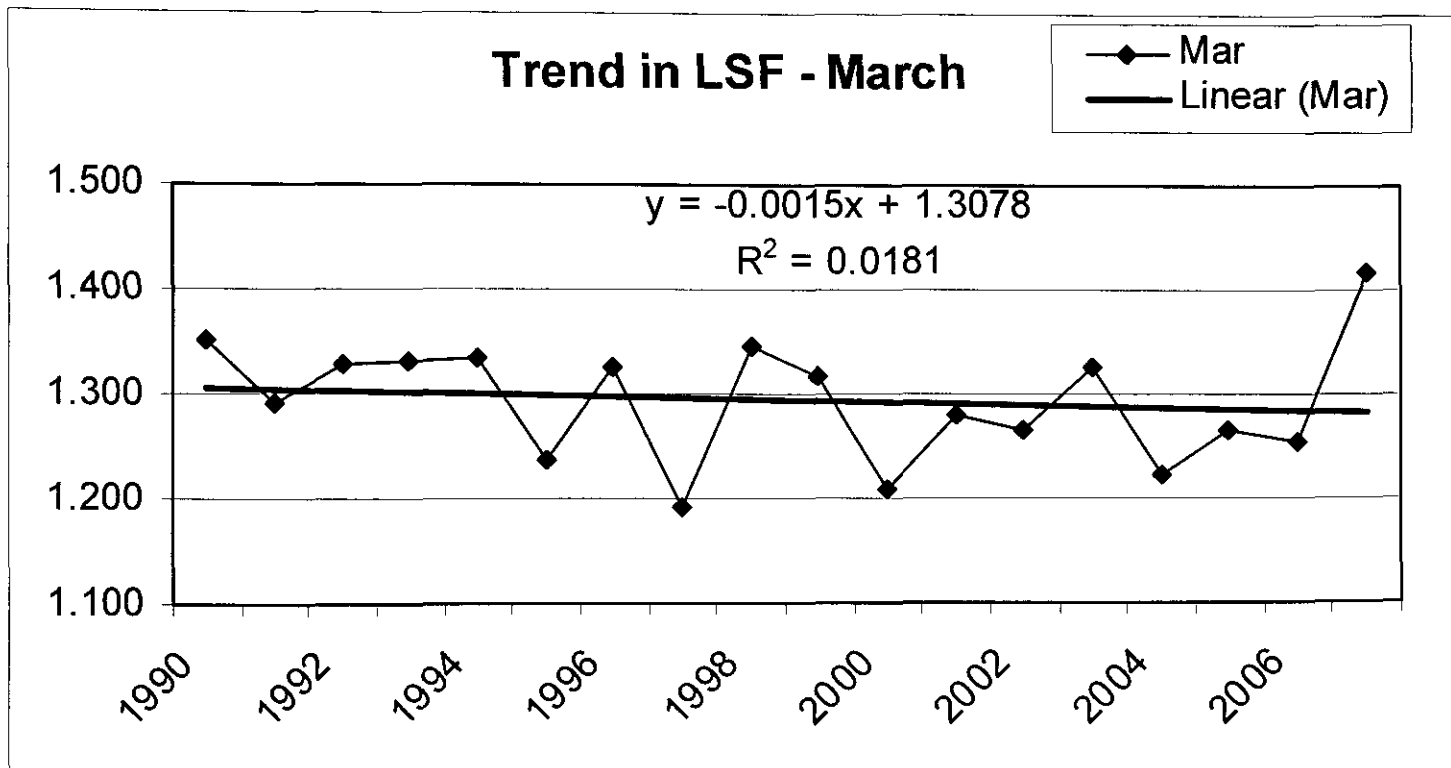
- Monthly peak load shape factors were calculated relative to average annual net energy for load for each year
 - $LSF(month, year) = Peak(month, year) / Net\ Energy\ for\ Load(year) / Hours(year)$
- Linear growth trends in LSF for each month were established based on data for 1990-2007

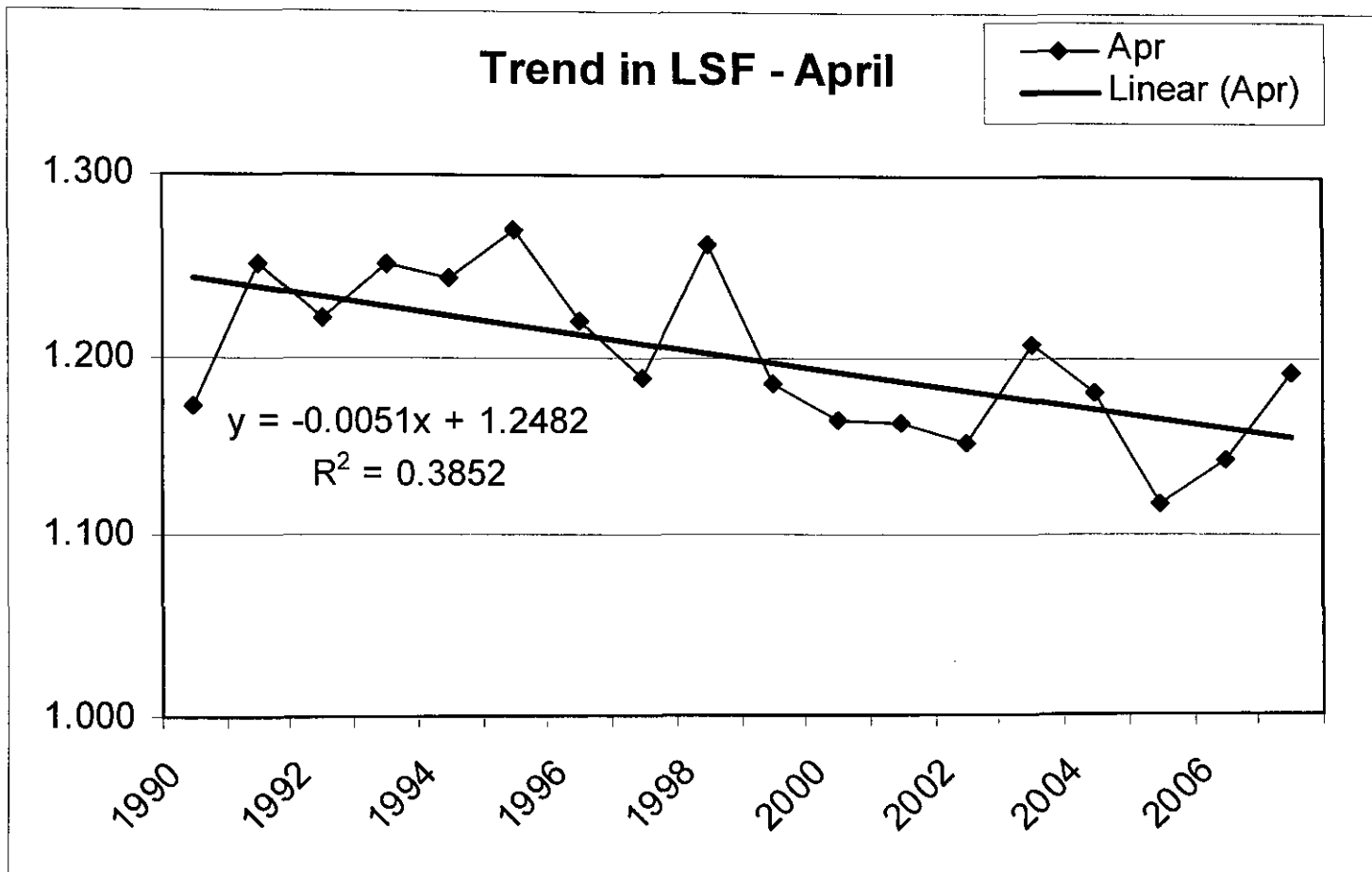
CMP Monthly Load Shape Factor (Monthly Peak Load/Average Annual Hourly Load)

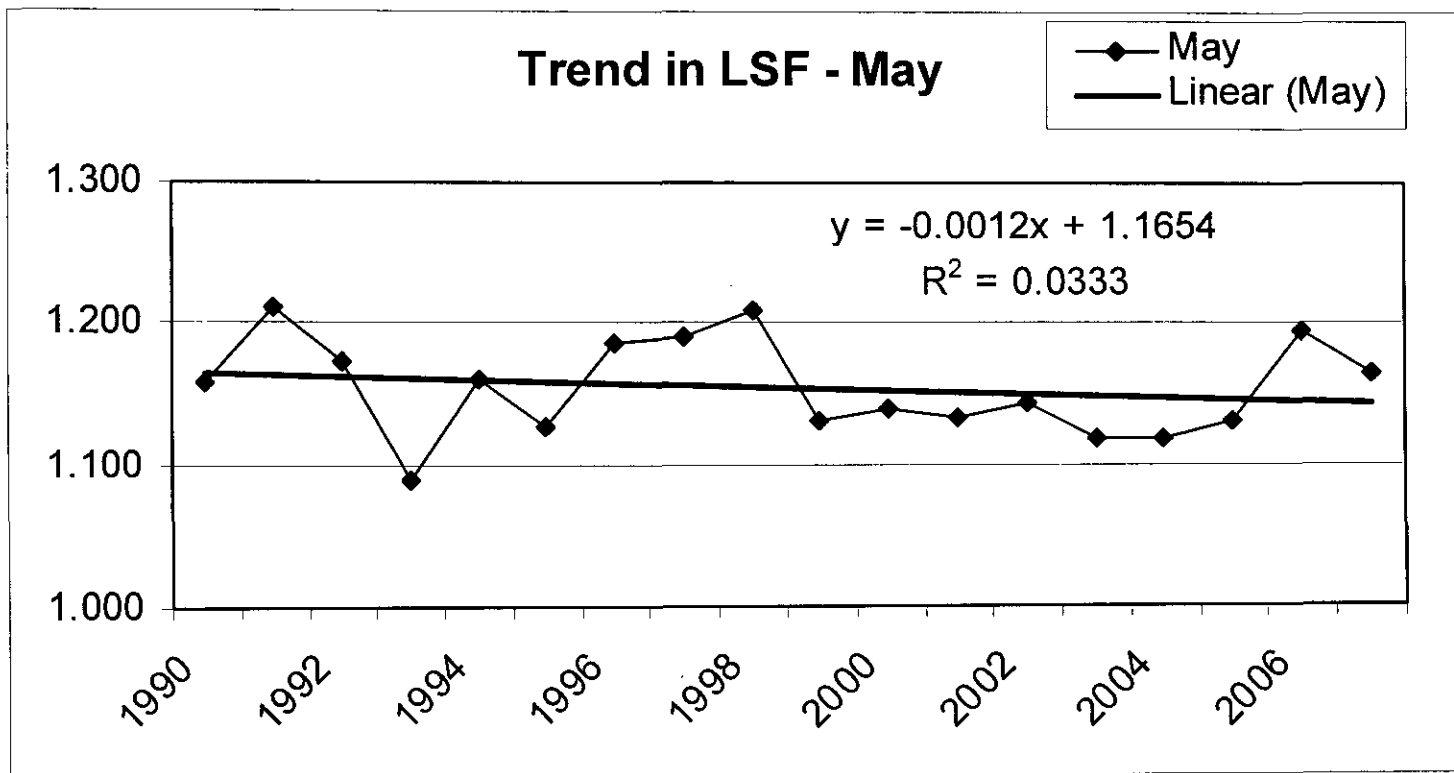
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
1976	1.597	1.531	1.405	1.312	1.213	1.247	1.230	1.304	1.199	1.319	1.481	1.714
1977	1.536	1.463	1.362	1.323	1.259	1.191	1.353	1.359	1.248	1.264	1.470	1.676
1978	1.553	1.524	1.411	1.294	1.242	1.204	1.274	1.300	1.220	1.347	1.549	1.607
1979	1.595	1.665	1.439	1.331	1.186	1.176	1.290	1.297	1.209	1.311	1.376	1.640
1980	1.515	1.455	1.447	1.238	1.163	1.216	1.288	1.292	1.220	1.296	1.445	1.589
1981	1.586	1.440	1.364	1.295	1.166	1.205	1.232	1.284	1.230	1.305	1.371	1.528
1982	1.567	1.458	1.394	1.338	1.161	1.199	1.277	1.207	1.182	1.200	1.316	1.578
1983	1.464	1.373	1.268	1.175	1.157	1.187	1.202	1.240	1.192	1.217	1.322	1.536
1984	1.464	1.369	1.422	1.231	1.193	1.209	1.181	1.283	1.143	1.192	1.338	1.493
1985	1.540	1.440	1.334	1.230	1.177	1.179	1.208	1.251	1.182	1.264	1.374	1.498
1986	1.559	1.402	1.356	1.172	1.178	1.151	1.214	1.218	1.182	1.251	1.423	1.577
1987	1.473	1.415	1.371	1.213	1.174	1.144	1.206	1.299	1.207	1.251	1.347	1.493
1988	1.571	1.340	1.358	1.182	1.140	1.186	1.190	1.291	1.112	1.222	1.288	1.504
1989	1.515	1.409	1.373	1.190	1.152	1.146	1.250	1.204	1.139	1.229	1.354	1.509
1990	1.445	1.379	1.350	1.173	1.158	1.106	1.285	1.265	1.100	1.278	1.305	1.381
1991	1.505	1.393	1.290	1.251	1.212	1.239	1.323	1.270	1.187	1.267	1.320	1.419
1992	1.485	1.440	1.328	1.221	1.172	1.162	1.201	1.219	1.148	1.212	1.309	1.404
1993	1.459	1.450	1.330	1.252	1.090	1.203	1.263	1.309	1.216	1.211	1.247	1.429
1994	1.411	1.432	1.333	1.243	1.161	1.223	1.325	1.303	1.134	1.162	1.286	1.370
1995	1.432	1.386	1.236	1.271	1.126	1.316	1.374	1.295	1.170	1.285	1.355	1.370
1996	1.364	1.328	1.326	1.220	1.185	1.313	1.285	1.325	1.286	1.274	1.353	1.349
1997	1.326	1.264	1.193	1.189	1.191	1.273	1.347	1.327	1.189	1.305	1.317	1.356
1998	1.338	1.293	1.345	1.262	1.209	1.325	1.349	1.343	1.211	1.299	1.342	1.376
1999	1.401	1.357	1.317	1.185	1.130	1.361	1.318	1.305	1.318	1.252	1.287	1.340
2000	1.424	1.295	1.208	1.165	1.139	1.300	1.246	1.303	1.290	1.279	1.300	1.394
2001	1.365	1.313	1.280	1.164	1.132	1.328	1.397	1.440	1.263	1.238	1.283	1.375
2002	1.393	1.378	1.267	1.153	1.144	1.300	1.408	1.464	1.380	1.257	1.311	1.434
2003	1.396	1.360	1.327	1.208	1.118	1.405	1.359	1.418	1.201	1.258	1.272	1.397
2004	1.443	1.296	1.224	1.181	1.118	1.312	1.332	1.380	1.231	1.238	1.273	1.427
2005	1.382	1.289	1.266	1.118	1.130	1.419	1.498	1.439	1.279	1.227	1.256	1.390
2006	1.342	1.348	1.255	1.144	1.195	1.387	1.539	1.556	1.243	1.271	1.314	1.357
2007	1.369	1.371	1.418	1.192	1.165	1.456	1.479	1.480				

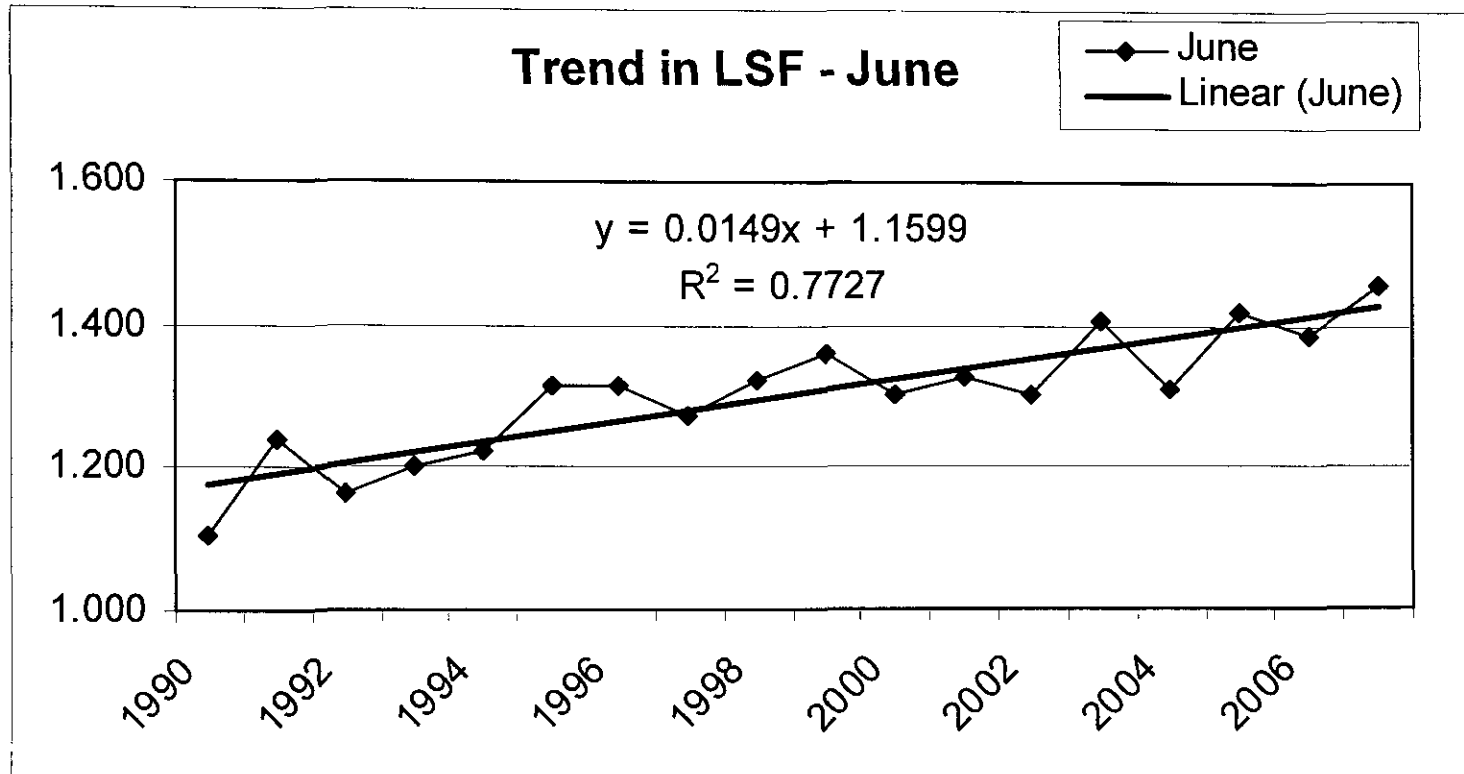


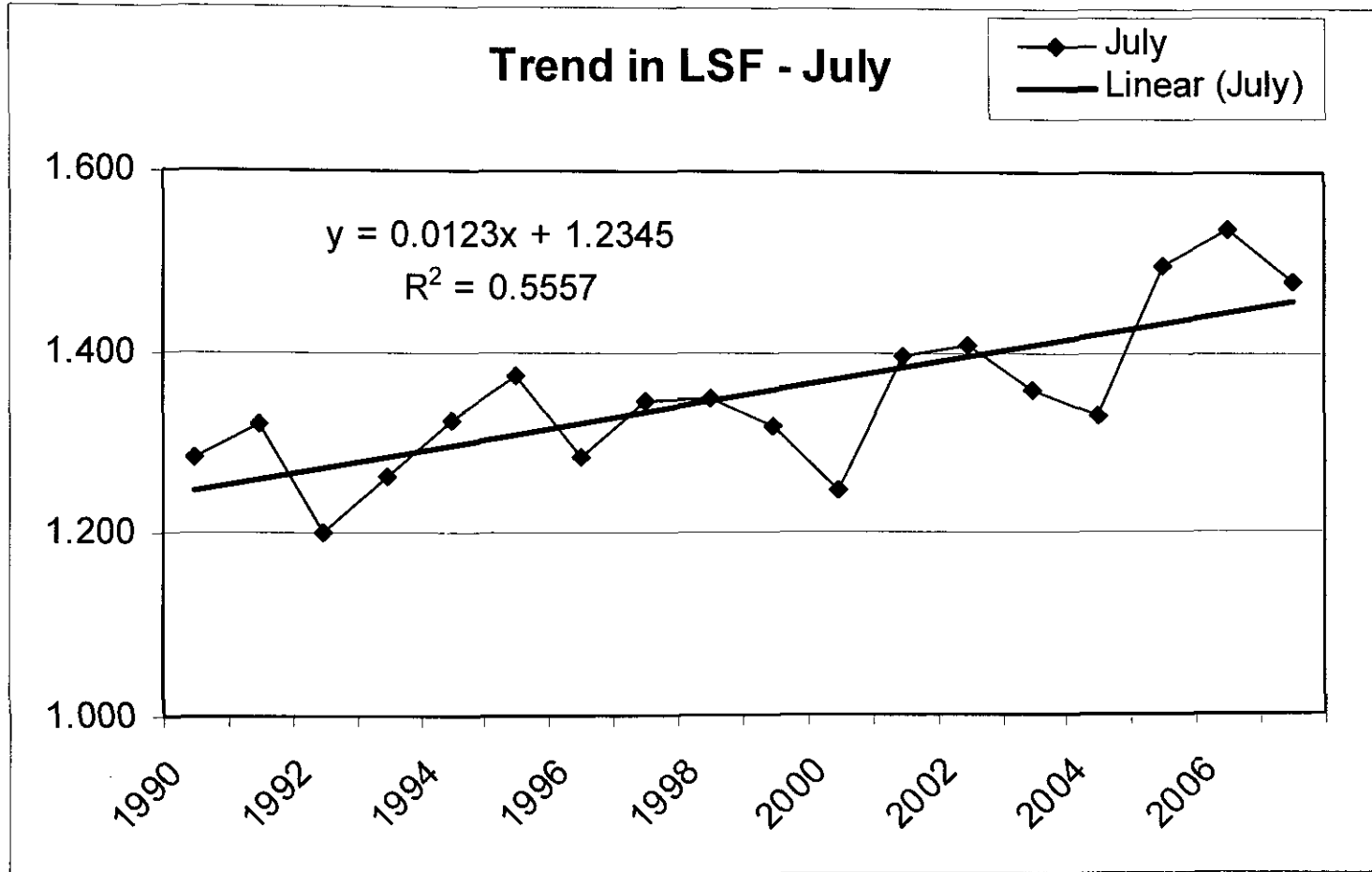


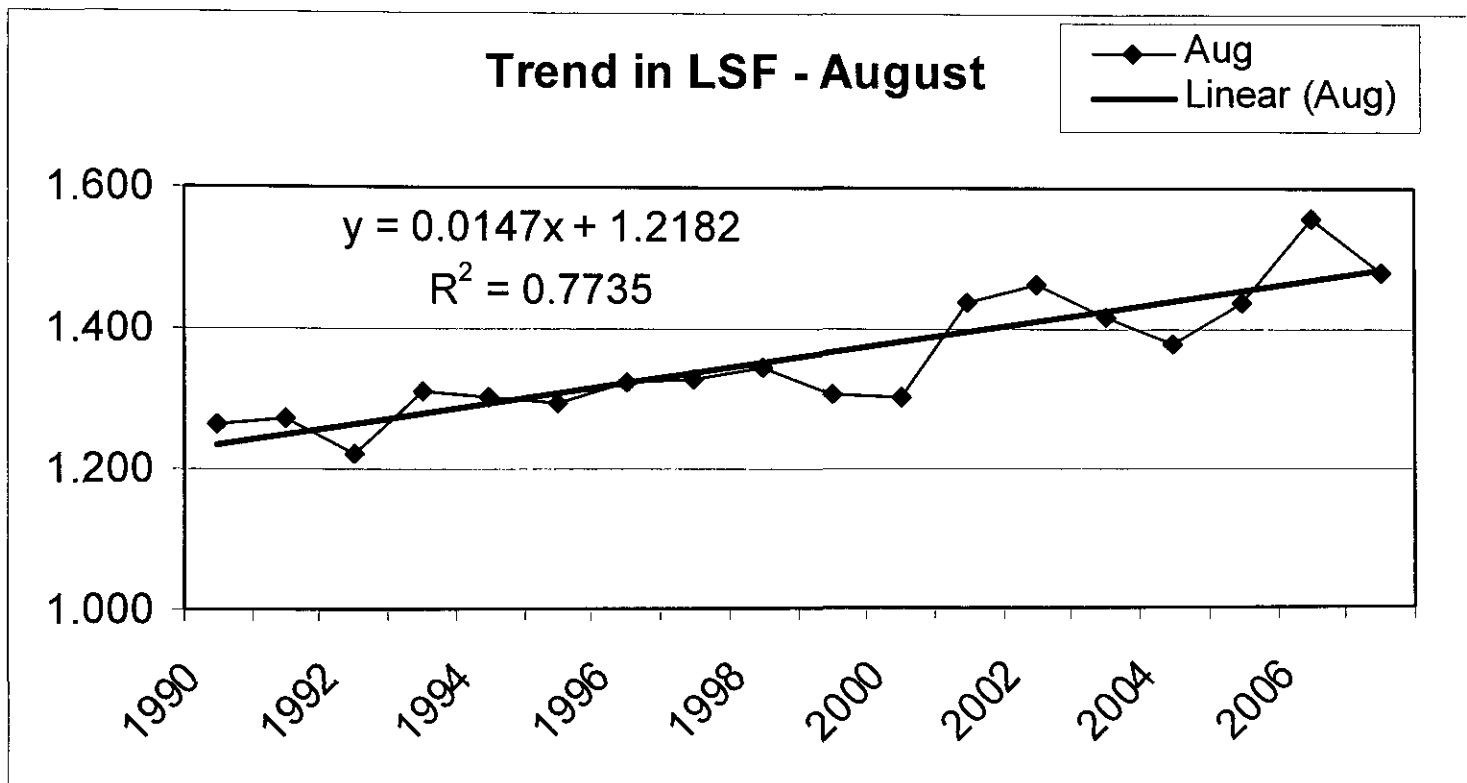


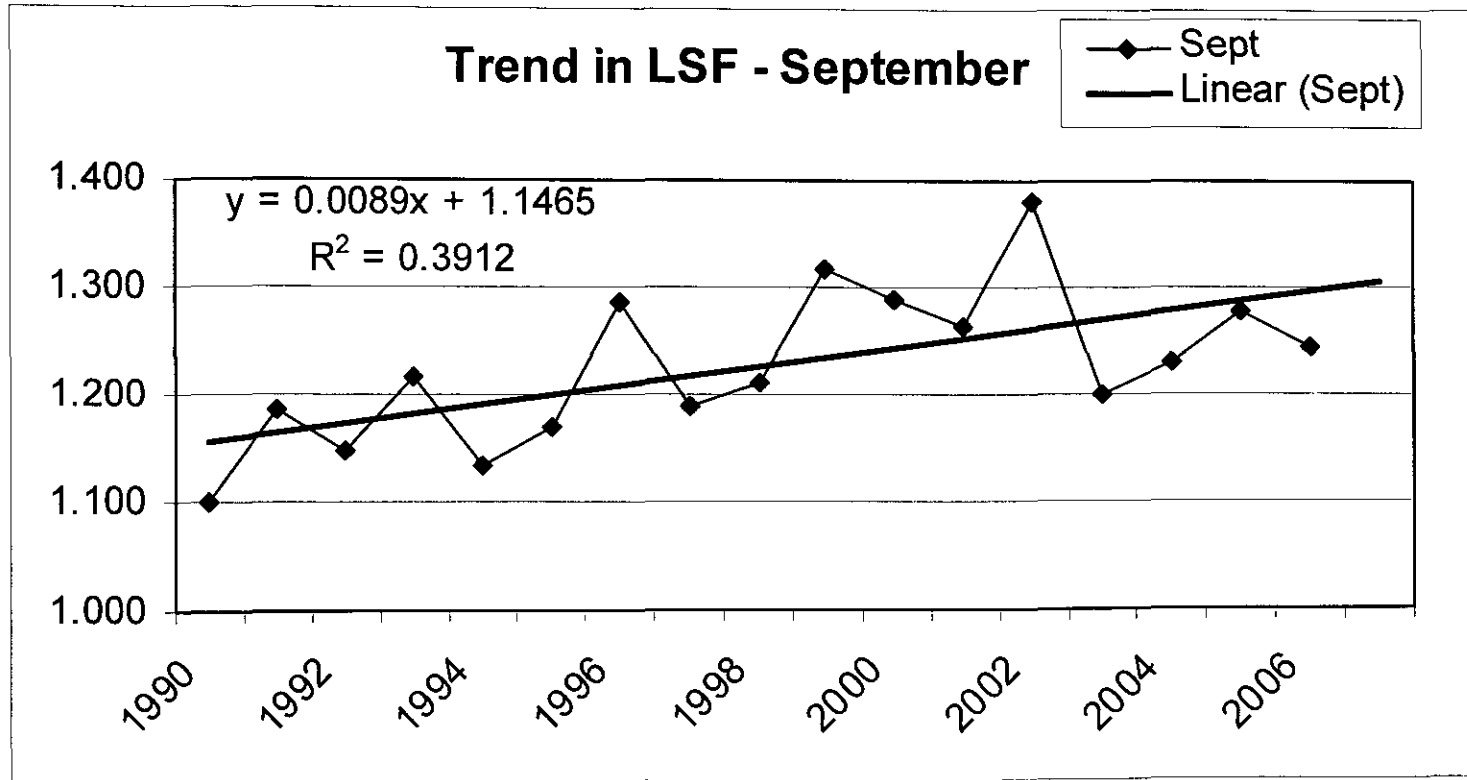


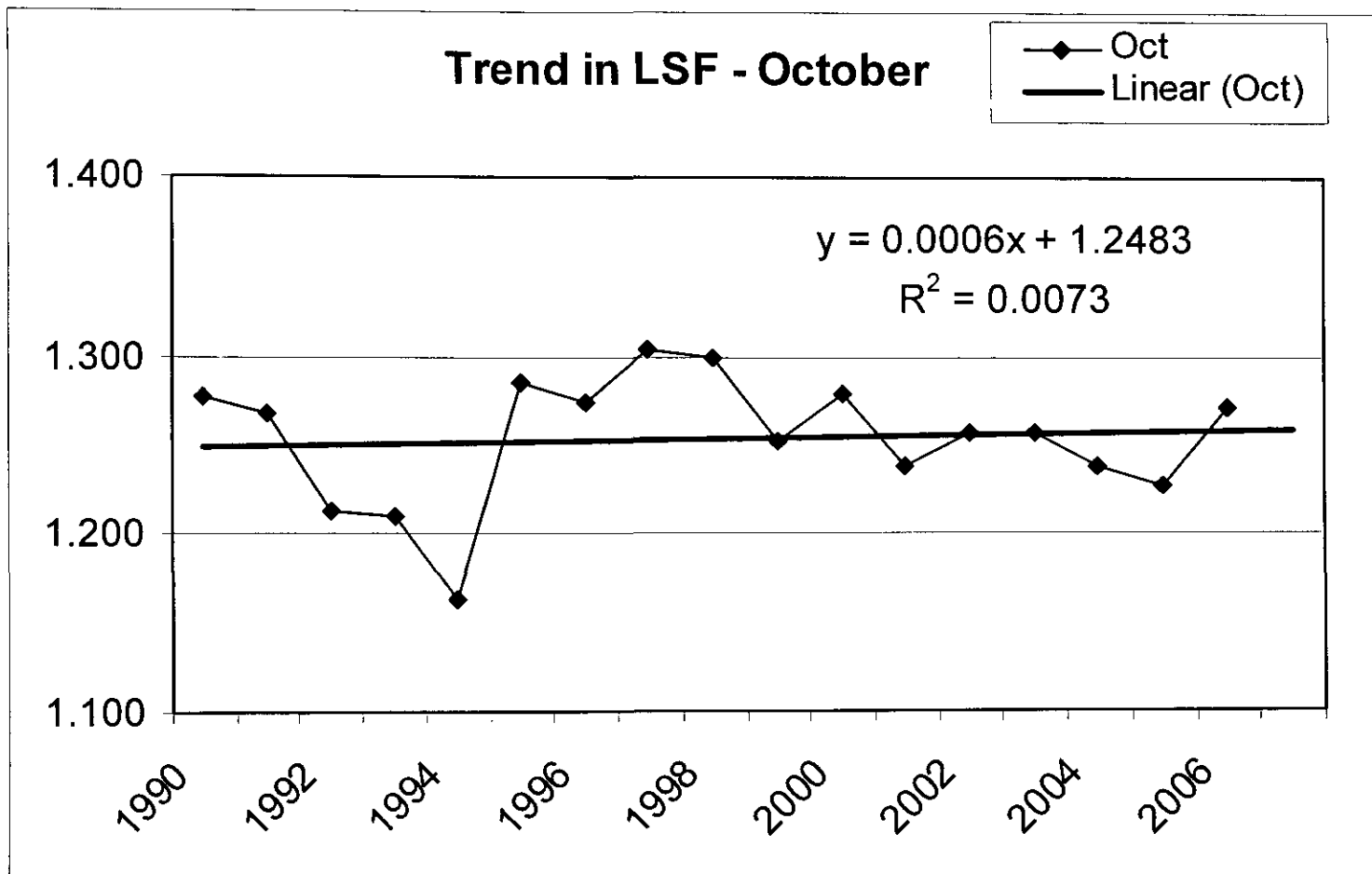


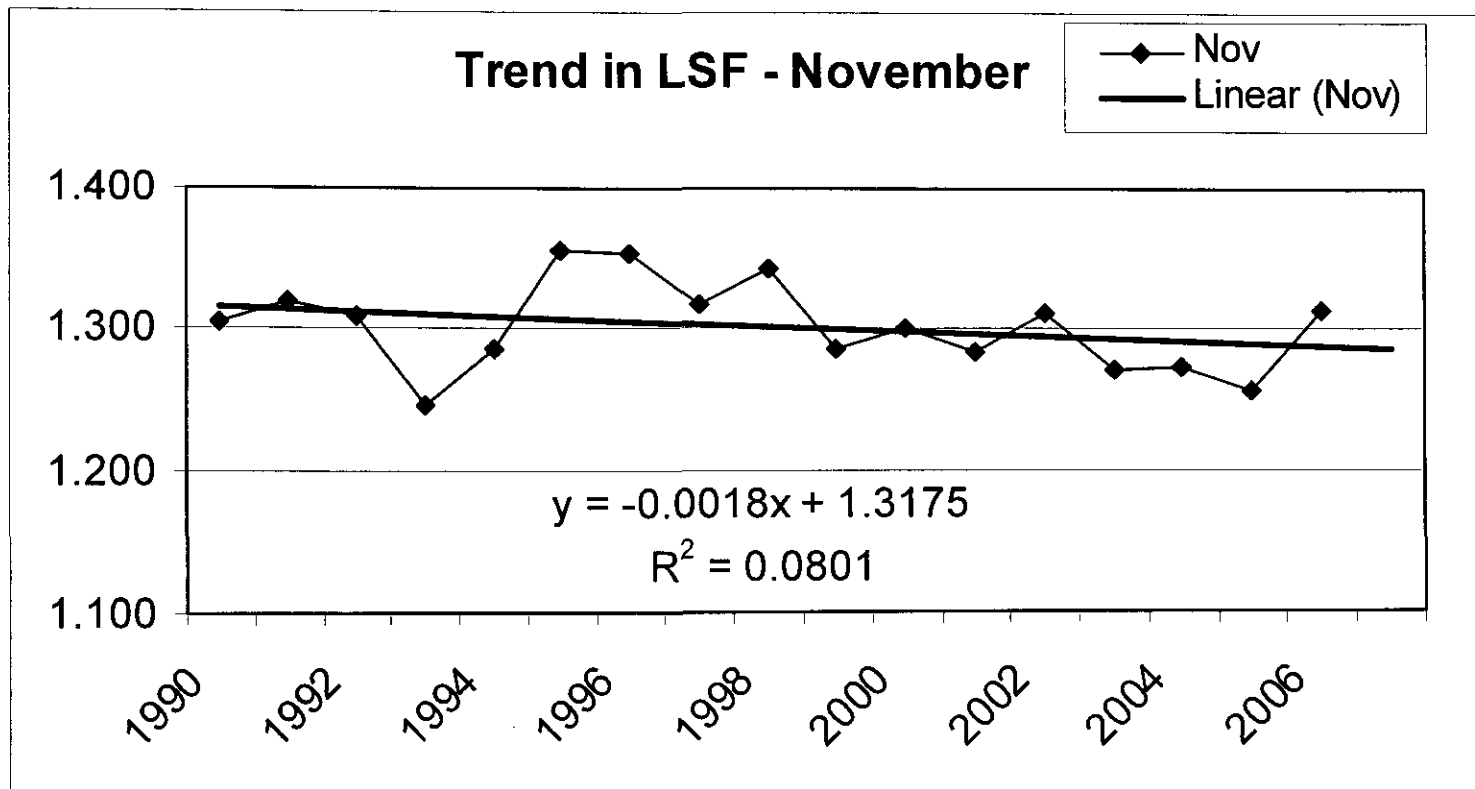


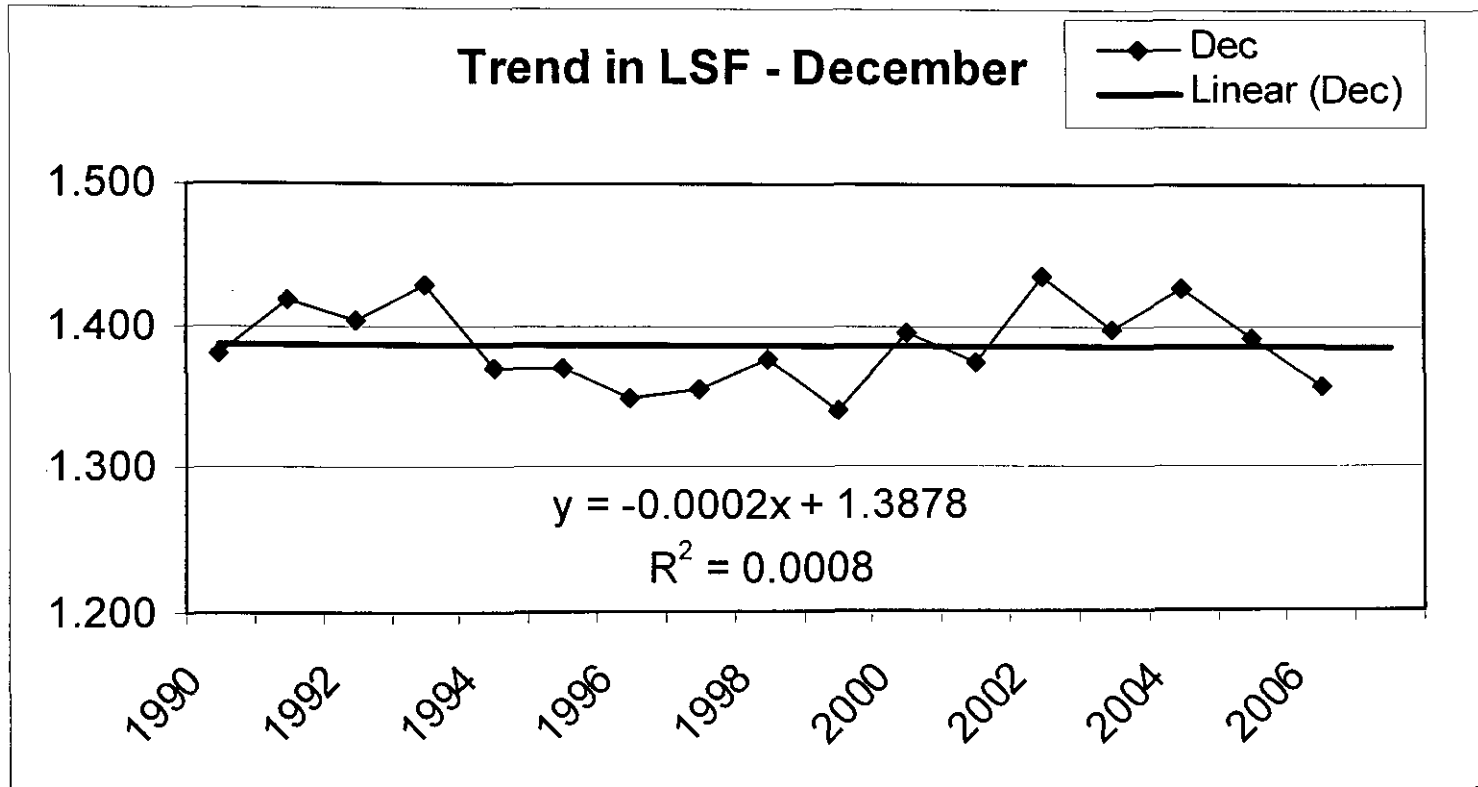












Peak Load Forecast

- A “50/50” most likely peak load projection for 2007-2011 was developed for each month based upon
 - CMP’s projected net energy for load, and
 - The calculated trends for monthly load shape factors

$$\text{Peak}(\text{month}, \text{year}) = \text{Net Energy for Load}(\text{year}) / \text{Hours}(\text{year}) * \text{LSF}(\text{month}, \text{year})$$

Expected Weather on Peak Day

- The Company's "50/50" load forecast assumes "average" peak day weather conditions
 - About 53 HDD (i.e., avg. temp. = 12°) for the Winter peak day, mean of January & December peak days, 1976-2007
 - About 6.5 THICDD (i.e., avg. temp. = 76° with a dew point = 65°) for the Summer peak day, mean of July & August peak days, 1982-2007

CMP Monthly Sales (mWh), Winter 2007 Update

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% Change
2002	799,225	793,655	695,962	671,300	644,652	679,959	727,528	780,503	747,165	674,001	717,058	774,468	8,705,475	
2003	769,266	786,125	741,659	726,484	677,811	700,445	784,972	800,135	770,002	701,878	706,513	773,700	8,938,990	2.7%
2004	837,931	772,776	745,536	733,967	694,430	717,214	805,944	826,845	786,439	780,412	733,568	788,679	9,223,740	3.2%
2005	819,194	769,981	787,242	751,692	675,103	740,526	856,081	825,818	824,919	775,345	732,428	788,515	9,346,844	1.3%
2006	796,006	714,693	740,333	694,583	657,538	754,245	843,793	811,022	788,245	700,633	702,206	751,855	8,955,152	-4.2%
2007	785,157	780,461	811,610	725,716	686,250	721,234	767,988	806,693	769,913	718,924	715,002	770,102	9,059,049	1.2%
2008	780,516	764,137	749,372	710,770	672,042	704,270	767,926	803,674	772,822	720,489	707,390	762,477	8,915,885	-1.6%
2009	788,843	772,309	757,195	718,156	679,460	711,968	774,966	811,298	779,911	727,030	713,622	769,357	9,004,115	1.0%
2010	798,587	781,129	765,514	725,614	686,578	719,221	784,306	821,315	789,187	735,701	722,325	779,203	9,108,681	1.2%
2011	808,404	790,591	774,550	733,852	694,443	727,219	792,328	829,956	797,164	743,085	729,795	787,675	9,209,063	1.1%

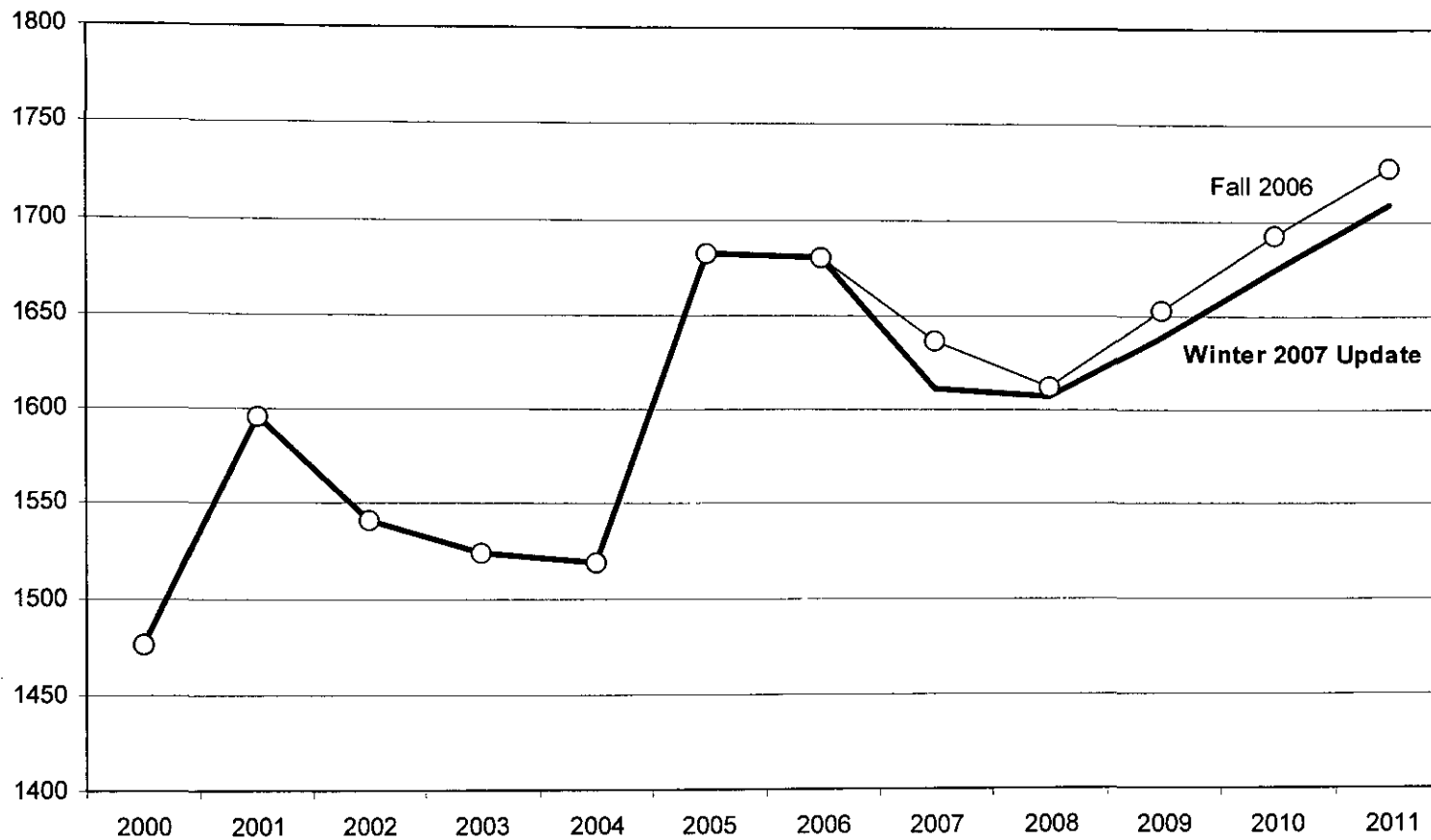
CMP Monthly Net Energy for Load (mWh), Winter 2007 Update

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% Change
2002	856,251	761,056	744,116	685,543	707,035	737,266	809,492	838,207	742,931	759,412	746,792	828,689	9,216,789	
2003	855,343	762,775	788,818	741,230	720,512	756,757	853,822	851,468	734,860	763,215	749,284	839,878	9,417,962	2.2%
2004	902,755	773,176	781,485	724,029	737,909	790,036	851,938	872,909	775,293	812,325	777,976	866,090	9,665,921	2.6%
2005	888,472	765,210	816,174	740,077	759,609	820,364	894,348	894,923	789,962	809,567	781,750	876,355	9,836,811	1.8%
2006	827,058	747,299	780,137	702,752	747,213	792,648	906,805	850,033	751,968	780,685	749,599	823,978	9,460,174	-3.8%
2007	858,677	772,173	840,104	731,712	747,644	780,573	846,755	852,451	759,877	785,843	763,274	850,966	9,590,050	1.4%
2008	854,995	750,272	781,941	711,059	725,931	767,958	848,784	848,258	747,698	773,227	751,319	837,959	9,399,401	-2.0%
2009	863,333	757,604	789,622	718,097	733,157	775,621	857,185	856,653	755,156	780,947	758,717	846,098	9,492,189	1.0%
2010	873,919	766,823	799,048	726,433	741,480	784,342	867,134	866,595	763,658	789,705	767,697	856,618	9,603,452	1.2%
2011	884,010	775,620	808,065	734,436	749,495	792,751	876,686	876,140	771,854	798,152	776,296	866,629	9,710,133	1.1%

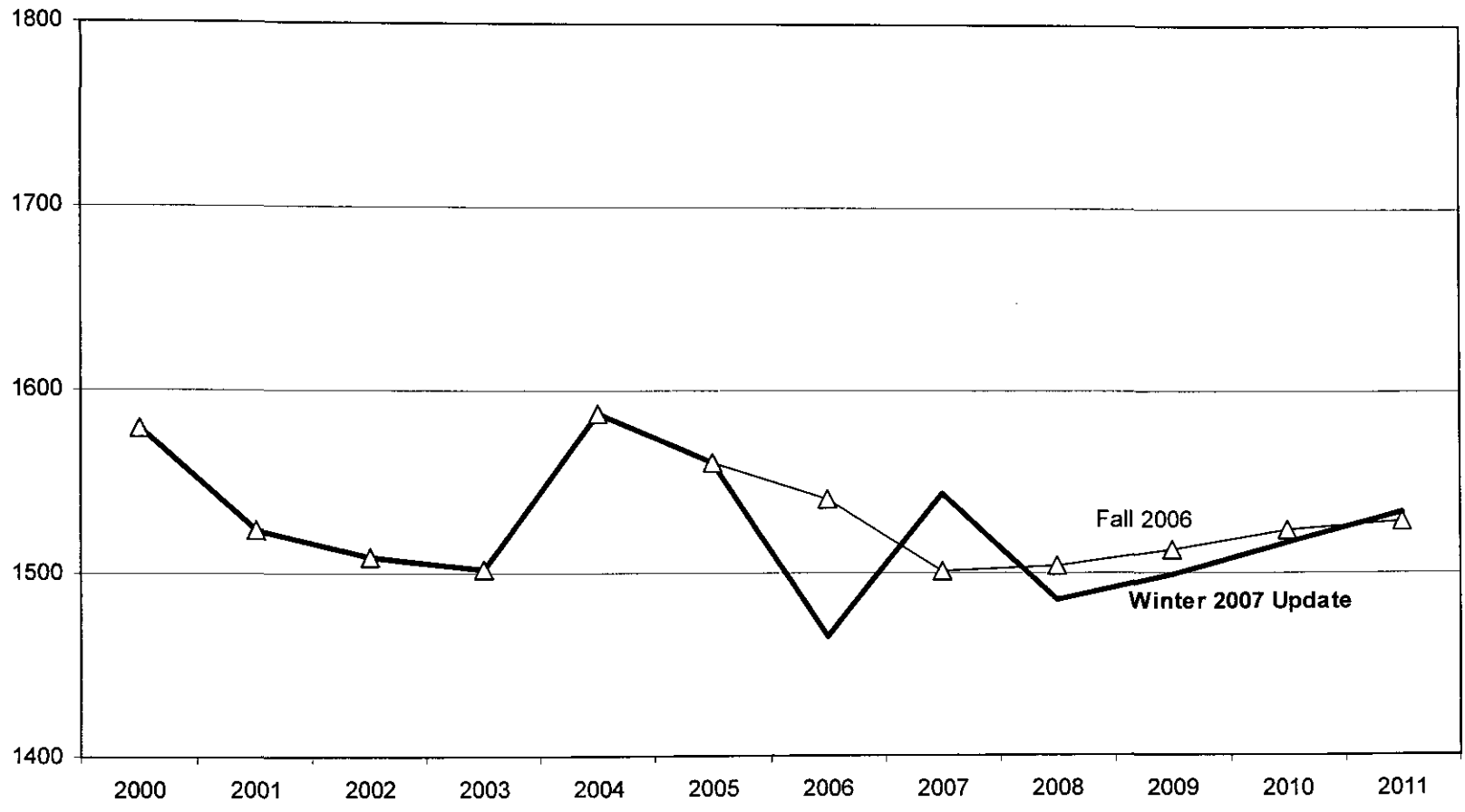
CMP Monthly Peak Load (MW), Winter 2007 Update

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Max Load	% Change
2002	1,465.5	1,450.2	1,332.9	1,212.9	1,204.1	1,368.2	1,481.8	1,540.7	1,452.4	1,322.7	1,379.7	1,508.7	1,540.7	
2003	1,501.1	1,462.0	1,426.7	1,298.7	1,202.4	1,510.5	1,461.6	1,524.3	1,290.8	1,352.3	1,367.7	1,502.0	1,524.3	-1.1%
2004	1,587.4	1,425.8	1,346.5	1,299.9	1,230.1	1,444.0	1,465.2	1,518.9	1,354.8	1,362.8	1,400.6	1,570.6	1,587.4	4.1%
2005	1,551.6	1,447.3	1,421.2	1,255.8	1,269.0	1,593.8	1,682.5	1,616.0	1,436.3	1,378.3	1,410.4	1,560.8	1,682.5	6.0%
2006	1,449.5	1,455.6	1,355.3	1,234.9	1,290.0	1,497.7	1,662.0	1,680.6	1,342.8	1,372.3	1,418.9	1,465.7	1,680.6	-0.1%
2007	1,490.3	1,492.2	1,543.4	1,298.0	1,267.7	1,584.5	1,610.6	1,610.7	1,430.5	1,378.4	1,406.9	1,515.4	1,610.7	-4.2%
2008	1,450.7	1,398.2	1,372.7	1,235.3	1,226.0	1,548.3	1,577.2	1,606.8	1,411.6	1,351.6	1,377.0	1,485.0	1,606.8	-0.2%
2009	1,459.0	1,406.3	1,384.6	1,242.0	1,236.8	1,579.8	1,606.2	1,638.6	1,435.2	1,365.6	1,388.6	1,499.5	1,638.6	2.0%
2010	1,470.1	1,416.9	1,399.2	1,251.0	1,250.0	1,614.6	1,638.6	1,673.9	1,461.8	1,382.3	1,402.9	1,516.8	1,673.9	2.2%
2011	1,480.4	1,426.8	1,413.1	1,259.2	1,262.5	1,649.1	1,670.5	1,708.8	1,487.9	1,398.3	1,416.5	1,533.4	1,708.8	2.1%

Summer Peak Load (MW) Forecast, Winter 2007 Update vs. Fall 2006



Winter Peak Load (MW) Forecast, Winter 2007 Update vs. Fall 2006



Peak Sensitivity to Weather

- A regression analysis was performed to determine the sensitivity of daily peak load to variation in weather conditions
 - *Data = daily peak loads, Jan. 1, 2005 – Aug. 31, 2007*
 - *Peak load = f(HDD, THICDD, Weekend & Holiday Dummy, Large Customer Dummy)*

Peak Sensitivity to Weather

Data:1/1/05-8/31/07

Forecast Model for PEAK
Regression(5 regressors, 0 lagged errors)

Term	Coefficient	Std. Error	t-Statistic	Significance
NONWKD	-81.898875	5.198843	-15.753289	1.000000
HDD	3.384878	0.159853	21.174957	1.000000
THICDD	43.782778	1.434397	30.523467	1.000000
LRGCUST	-34.750110	4.964771	-6.999338	1.000000
_CONST	1256.171501	5.620802	223.486150	1.000000

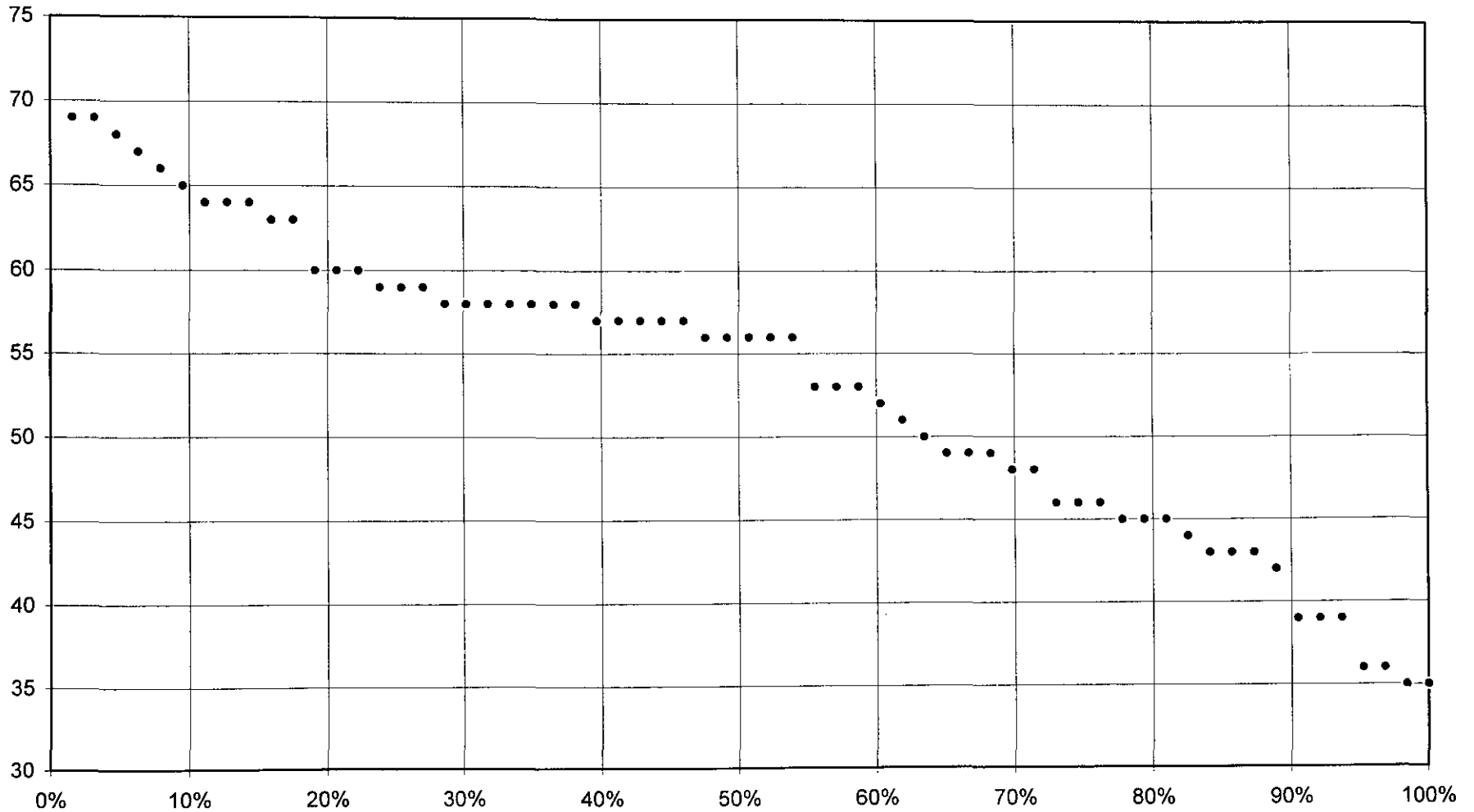
Within-Sample Statistics

Sample size 973	Number of parameters 5
Mean 1302	Standard deviation 116.1
R-square 0.5863	Adjusted R-square 0.5846
Durbin-Watson 0.6432	Ljung-Box(18)=6227 P=1
Forecast error 74.83	BIC 75.97
MAPE 0.04726	RMSE 74.64
MAD 60.45	

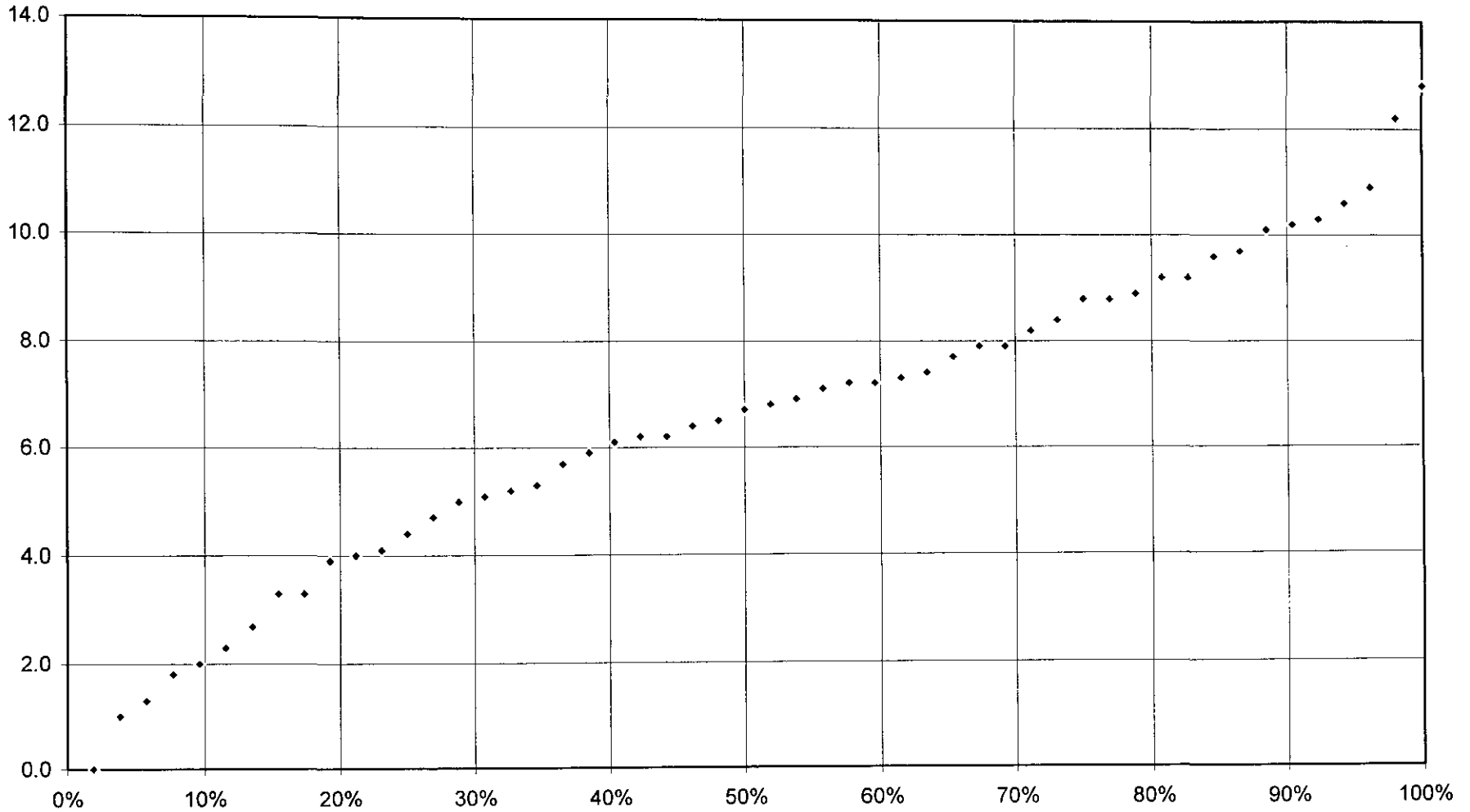
Extreme Weather Conditions

- The Company's "90/10" peak load forecast assumes "extreme" weather conditions that have only a 10% chance of being exceeded
 - About 65 HDD (i.e., avg. temp. = 0°) for the Winter peak day
 - About 10.2 THICDD (i.e., avg. temp. = 84° with a dew point = 67°) for the Summer peak day

HDD for Peak Days in January & December, 1976-2007 (2007 Approach: $90/10=65.0$, $EV=53.2$, $MW=11.8*3.38=40$)



THICDD for Peak Days in July & August, 1982-2007 (2007 Approach: $90/10=10.2$, $EV=6.5$, $MW=3.7*43.78=160$)



“50/50” and “90/10” Peaks

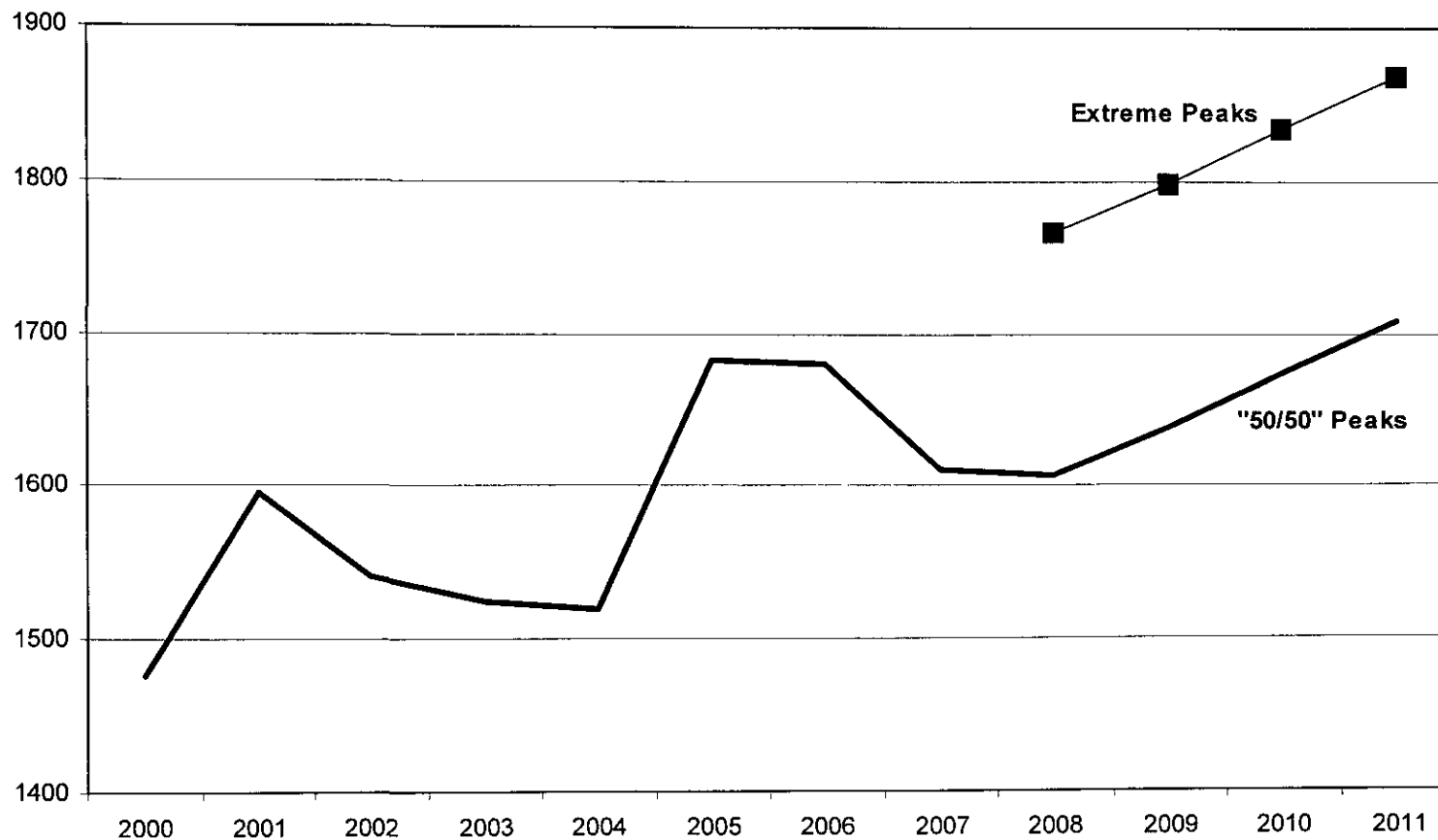
Expected CMP Monthly Peak Load (MW), 50/50, Winter 2007 Update

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Max Load
2002	1,465.5	1,450.2	1,332.9	1,212.9	1,204.1	1,368.2	1,481.8	1,540.7	1,452.4	1,322.7	1,379.7	1,508.7	1,540.7
2003	1,501.1	1,462.0	1,426.7	1,298.7	1,202.4	1,510.5	1,461.6	1,524.3	1,290.8	1,352.3	1,367.7	1,502.0	1,524.3
2004	1,587.4	1,425.8	1,346.5	1,299.9	1,230.1	1,444.0	1,465.2	1,518.9	1,354.8	1,362.8	1,400.6	1,570.6	1,587.4
2005	1,551.6	1,447.3	1,421.2	1,255.8	1,269.0	1,593.8	1,682.5	1,616.0	1,436.3	1,378.3	1,410.4	1,560.8	1,682.5
2006	1,449.5	1,455.6	1,355.3	1,234.9	1,290.0	1,497.7	1,662.0	1,680.6	1,342.8	1,372.3	1,418.9	1,465.7	1,680.6
2007	1,490.3	1,492.2	1,543.4	1,298.0	1,267.7	1,584.5	1,610.6	1,610.7	1,430.5	1,378.4	1,406.9	1,515.4	1,610.7
2008	1,450.7	1,398.2	1,372.7	1,235.3	1,226.0	1,548.3	1,577.2	1,606.8	1,411.6	1,351.6	1,377.0	1,485.0	1,606.8
2009	1,459.0	1,406.3	1,384.6	1,242.0	1,236.8	1,579.8	1,606.2	1,638.6	1,435.2	1,365.6	1,388.6	1,499.5	1,638.6
2010	1,470.1	1,416.9	1,399.2	1,251.0	1,250.0	1,614.6	1,638.6	1,673.9	1,461.8	1,382.3	1,402.9	1,516.8	1,673.9
2011	1,480.4	1,426.8	1,413.1	1,259.2	1,262.5	1,649.1	1,670.5	1,708.8	1,487.9	1,398.3	1,416.5	1,533.4	1,708.8

Extreme Summer & Winter Peak Load (MW), 90/10, Winter 2007 Update

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Max Load
2008								1,766.8				1,524.9	1,766.8
2009								1,798.6				1,539.4	1,798.6
2010								1,833.9				1,556.7	1,833.9
2011								1,868.8				1,573.3	1,868.8

Summer Peak Load (MW) Forecast, "50/50" and "90/10" Peaks



Extension of Forecast to 2017

- The Company's "50/50" peak load forecast was extended to 2017 using the growth rate in monthly peak load between 2009 and 2011
- Extreme "90/10" peaks are assumed to be 40 MW higher than the "50/50" forecast in the Winter and 160 MW higher than the "50/50" forecast in Summer

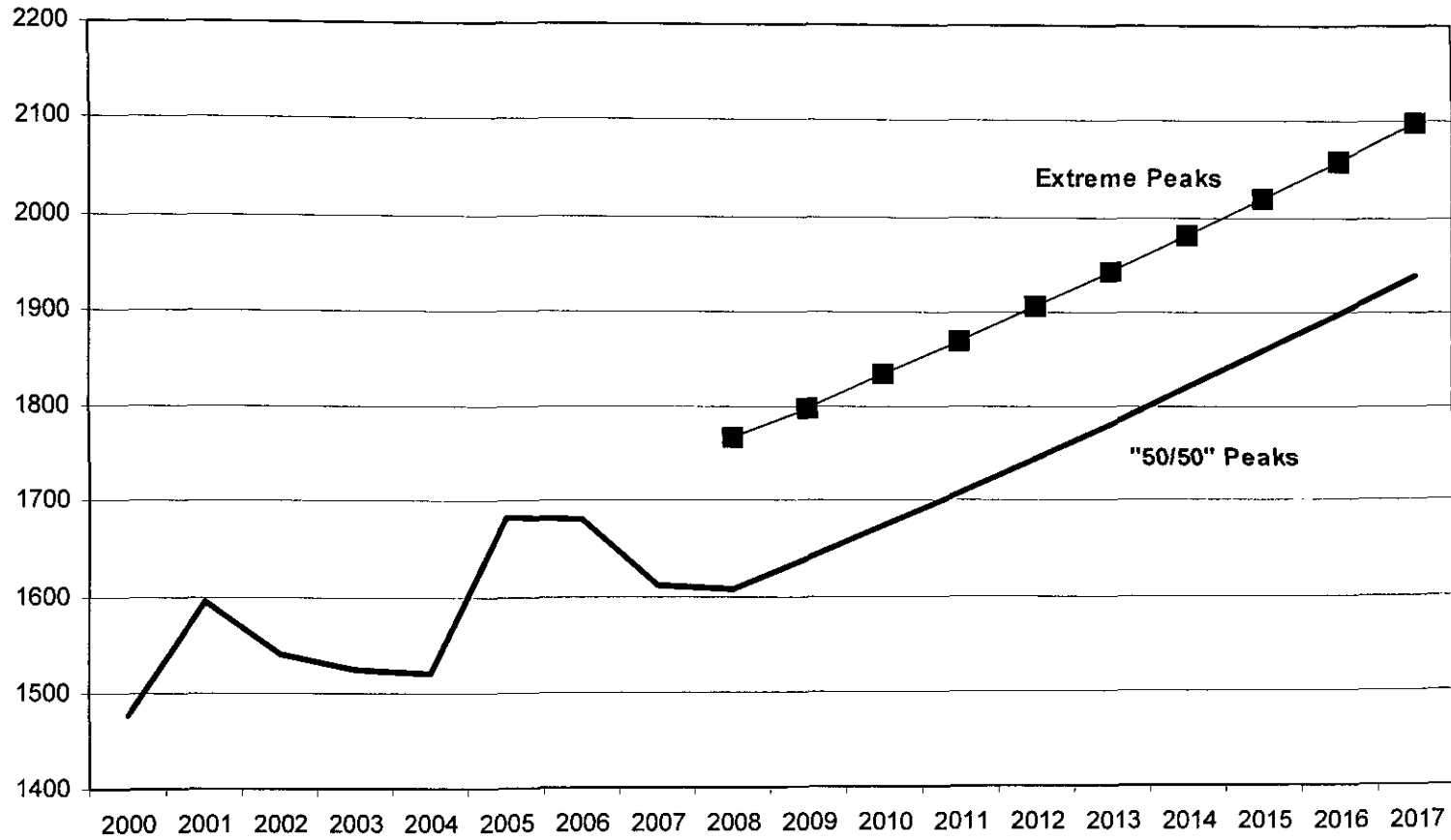
**Expected CMP Monthly Peak Load (MW), 50/50, Winter 2007 Update
Extended to the Year 2017**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Max Load
2007	1,490.3	1,492.2	1,543.4	1,298.0	1,267.7	1,584.5	1,610.6	1,610.7	1,430.5	1,378.4	1,406.9	1,515.4	1,610.7
2008	1,450.7	1,398.2	1,372.7	1,235.3	1,226.0	1,548.3	1,577.2	1,606.8	1,411.6	1,351.6	1,377.0	1,485.0	1,606.8
2009	1,459.0	1,406.3	1,384.6	1,242.0	1,236.8	1,579.8	1,606.2	1,638.6	1,435.2	1,365.6	1,388.6	1,499.5	1,638.6
2010	1,470.1	1,416.9	1,399.2	1,251.0	1,250.0	1,614.6	1,638.6	1,673.9	1,461.8	1,382.3	1,402.9	1,516.8	1,673.9
2011	1,480.4	1,426.8	1,413.1	1,259.2	1,262.5	1,649.1	1,670.5	1,708.8	1,487.9	1,398.3	1,416.5	1,533.4	1,708.8
2012	1,491.1	1,437.2	1,427.5	1,267.9	1,275.6	1,684.8	1,703.7	1,745.0	1,515.0	1,415.0	1,430.7	1,550.7	1,745.0
2013	1,502.0	1,447.7	1,442.1	1,276.7	1,288.8	1,721.4	1,737.5	1,782.0	1,542.5	1,431.8	1,445.0	1,568.2	1,782.0
2014	1,512.9	1,458.2	1,456.9	1,285.5	1,302.2	1,758.8	1,771.9	1,819.8	1,570.6	1,448.8	1,459.4	1,585.9	1,819.8
2015	1,523.9	1,468.8	1,471.8	1,294.4	1,315.6	1,796.9	1,807.1	1,858.4	1,599.1	1,466.1	1,474.0	1,603.7	1,858.4
2016	1,535.0	1,479.5	1,486.8	1,303.3	1,329.2	1,835.9	1,842.9	1,897.8	1,628.2	1,483.5	1,488.7	1,621.8	1,897.8
2017	1,546.2	1,490.2	1,502.0	1,312.3	1,343.0	1,875.8	1,879.5	1,938.0	1,657.8	1,501.2	1,503.6	1,640.1	1,938.0

**Extreme Summer & Winter Peak Load (MW), 90/10, Winter 2007 Update
Extended to the Year 2017**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Max Load
2008								1,766.8				1,524.9	1,766.8
2009								1,798.6				1,539.4	1,798.6
2010								1,833.9				1,556.7	1,833.9
2011								1,868.8				1,573.3	1,868.8
2012								1,905.0				1,590.6	1,905.0
2013								1,942.0				1,608.1	1,942.0
2014								1,979.8				1,625.8	1,979.8
2015								2,018.4				1,643.6	2,018.4
2016								2,057.8				1,661.7	2,057.8
2017								2,098.0				1,680.0	2,098.0

Summer Peak Load (MW) Forecast, "50/50" and "90/10" Peaks



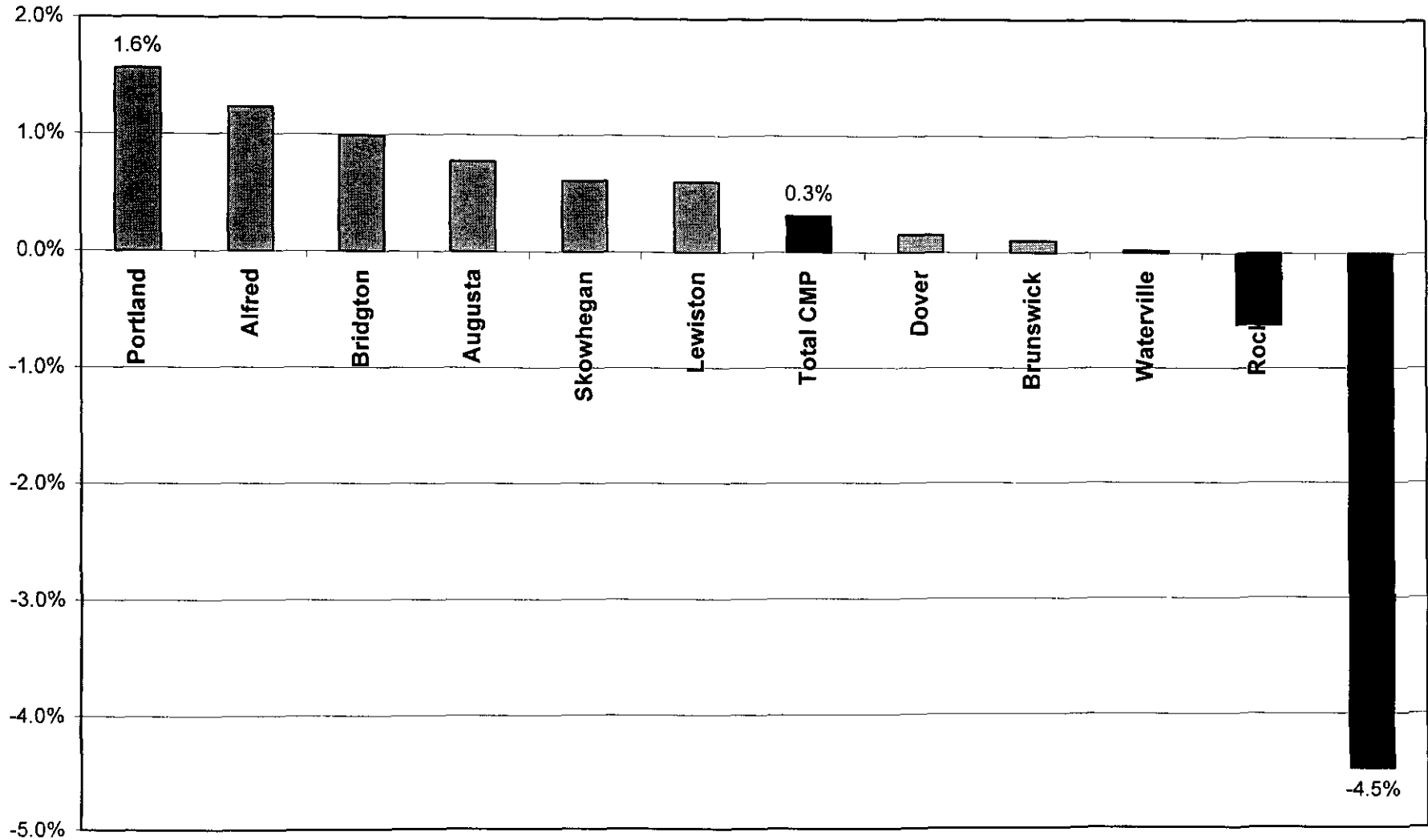
Service Center Forecasts

- CMP develops a sales & peak load forecast for 11 service centers
 - Using Global Insight's economic forecast for counties & CMP's large customer surveys
 - The sales forecast for the CMP system is apportioned to service centers
 - **Residential** growth is based on projected household growth
 - **Commercial** growth is based on projected nonmanufacturing employment growth & large customer interviews
 - **Industrial** growth is based on large customer interviews & small customer history
 - A peak load forecast is prepared that is consistent with each service center's share of net energy for load

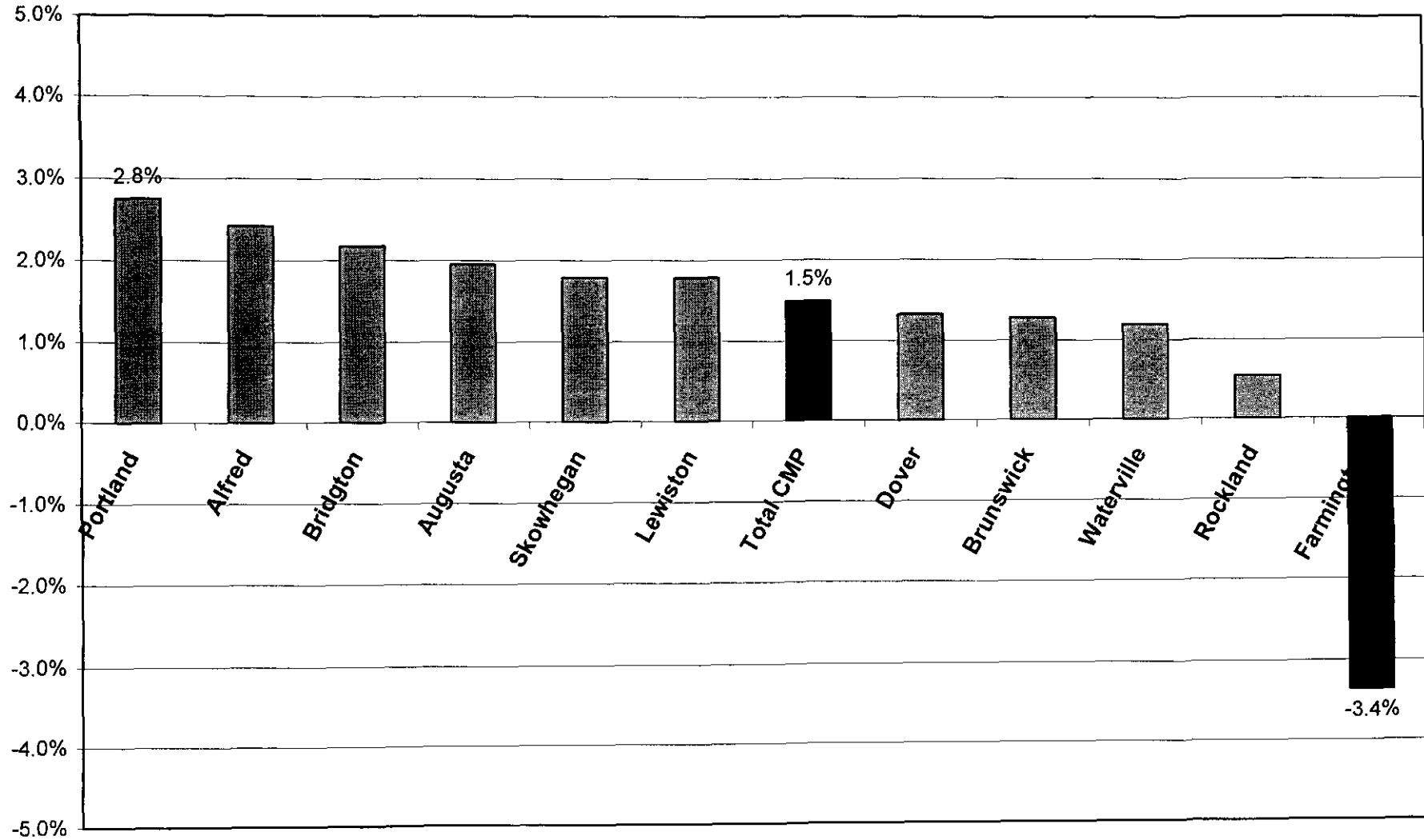
Estimated Peak Load (MW) & Net Energy (mil. kWh) by CMP Service Center, Winter 2007 Update

		<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>CAGR 2007-11</u>
446-Alfred	<u>Peak Load</u>											
	Summer	255.9	252.8	250.5	285.5	296.2	285.6	294.1	300.6	307.5	314.2	2.4%
	Winter	250.6	249.1	261.8	264.9	258.3	268.7	271.8	275.1	278.7	282.0	1.2%
	Net Energy	1,530.7	1,561.8	1,593.9	1,669.4	1,580.4	1,700.2	1,720.3	1,741.3	1,764.2	1,785.6	1.2%
211-Augusta	<u>Peak Load</u>											
	Summer	95.0	92.4	91.0	103.7	107.2	102.8	104.2	106.1	108.6	111.1	2.0%
	Winter	93.0	91.1	95.1	96.2	93.5	96.7	96.3	97.0	98.4	99.7	0.8%
	Net Energy	568.4	571.0	579.3	606.2	572.1	611.9	609.6	614.3	623.1	631.0	0.8%
554-Bridgton	<u>Peak Load</u>											
	Summer	61.5	61.9	61.3	69.4	68.8	65.6	66.6	67.9	69.8	71.5	2.2%
	Winter	60.2	61.0	64.1	64.4	60.0	61.7	61.6	62.2	63.2	64.2	1.0%
	Net Energy	368.0	382.3	390.2	405.8	366.9	390.8	389.6	393.6	400.3	406.5	1.0%
514-Brunswick	<u>Peak Load</u>											
	Summer	155.1	155.5	154.8	174.3	176.2	168.4	169.7	172.2	174.5	177.1	1.3%
	Winter	151.9	153.2	161.8	161.7	153.7	158.4	156.8	157.6	158.1	158.9	0.1%
	Net Energy	927.8	960.7	985.0	1,019.3	940.1	1,002.4	992.5	997.6	1,001.0	1,006.5	0.1%
222-Dover	<u>Peak Load</u>											
	Summer	40.0	40.2	39.8	44.6	45.3	42.9	43.1	43.6	44.4	45.2	1.3%
	Winter	39.2	39.6	41.6	41.4	39.5	40.3	39.9	39.9	40.2	40.6	0.1%
	Net Energy	239.3	248.2	253.6	261.0	241.7	255.3	252.3	252.5	254.8	256.8	0.2%
524-Farmington	<u>Peak Load</u>											
	Summer	188.7	186.9	203.6	211.1	164.3	152.6	122.9	125.9	129.6	133.1	-3.4%
	Winter	184.7	184.2	212.8	195.8	143.3	143.6	113.6	115.3	117.4	119.4	-4.5%
	Net Energy	1,128.6	1,154.9	1,295.8	1,234.2	876.8	908.6	718.8	729.6	743.4	756.2	-4.5%
551-Lewiston	<u>Peak Load</u>											
	Summer	145.1	145.4	144.3	164.6	171.7	165.3	168.3	170.9	174.2	177.4	1.8%
	Winter	142.0	143.3	150.8	152.7	149.8	155.5	155.5	156.4	157.9	159.2	0.6%
	Net Energy	867.8	898.3	918.4	962.2	916.2	984.3	984.3	990.1	999.6	1,008.2	0.6%
441-Portland	<u>Peak Load</u>											
	Summer	338.8	337.0	329.3	359.2	371.1	356.2	368.4	378.6	387.7	397.1	2.8%
	Winter	331.7	332.1	344.2	333.2	323.6	335.1	340.5	346.4	351.3	356.3	1.5%
	Net Energy	2,026.6	2,082.4	2,095.9	2,100.0	1,979.8	2,120.9	2,155.1	2,193.0	2,224.4	2,256.2	1.6%
231-Rockland	<u>Peak Load</u>											
	Summer	106.5	113.5	110.1	121.1	122.5	122.3	118.4	120.2	122.7	125.0	0.5%
	Winter	104.3	111.8	115.0	112.4	108.8	115.1	109.5	110.0	111.2	112.2	-0.6%
	Net Energy	637.2	701.1	700.4	708.3	653.5	728.3	692.8	696.4	703.9	710.2	-0.6%
225-Skowhegan	<u>Peak Load</u>											
	Summer	33.6	33.6	33.3	36.4	36.8	34.8	35.4	35.9	36.6	37.3	1.8%
	Winter	32.9	33.1	34.8	33.8	32.1	32.7	32.7	32.8	33.2	33.5	0.6%
	Net Energy	201.2	207.5	211.8	213.0	196.2	207.1	207.0	207.8	210.1	212.1	0.6%
221-Waterville	<u>Peak Load</u>											
	Summer	120.6	105.2	100.9	112.4	120.5	114.3	115.7	116.7	118.3	119.8	1.2%
	Winter	118.1	103.6	105.4	104.3	105.1	107.5	107.0	106.8	107.2	107.5	0.0%
	Net Energy	721.4	649.8	641.8	657.3	642.9	680.3	677.0	676.0	678.6	680.8	0.0%

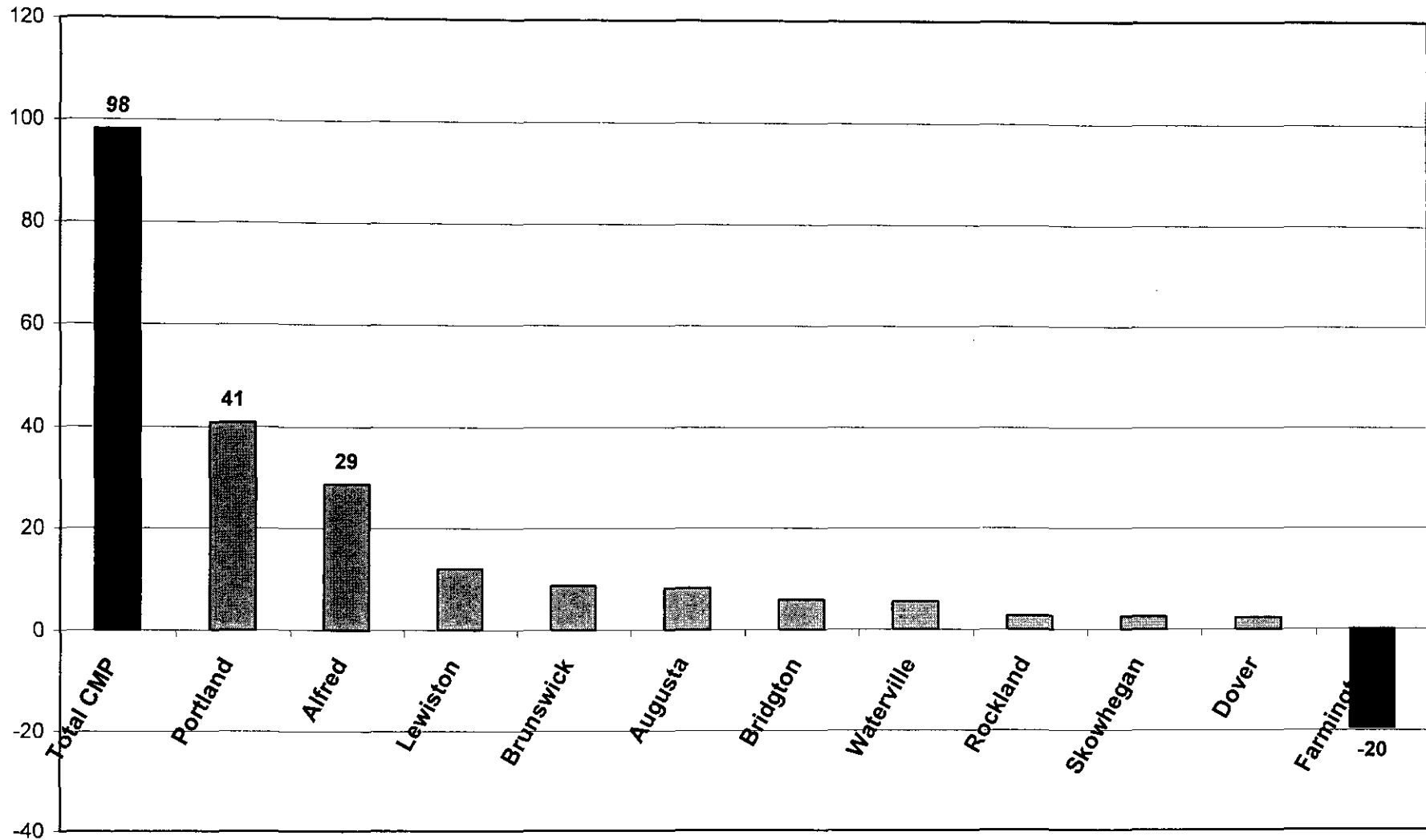
Net Energy for Load Growth, CAGR 2007-2011



Summer Peak Load Growth, CAGR 2007-2011



MW Change in Summer Peak Load, 2007-2011



Extreme Peak Load (MW) & Net Energy (mil. kWh) by CMP Service Center, Winter 2007 Update

		Estimated Historical Peak Loads (MW)					Projected Extreme Peaks (MW)				CAGR 2007-11	
		2002	2003	2004	2005	2006	2007	2008	2009	2010		2011
446-Alfred	<u>Peak Load</u>											
	Summer	255.9	252.8	250.5	285.5	296.2	285.6	323.4	329.9	336.9	343.6	4.7%
	Winter	250.6	249.1	261.8	264.9	258.3	268.7	279.1	282.4	286.0	289.3	1.9%
	Net Energy	1,530.7	1,561.8	1,593.9	1,669.4	1,580.4	1,700.2	1,720.3	1,741.3	1,764.2	1,785.6	1.2%
211-Augusta	<u>Peak Load</u>											
	Summer	95.0	92.4	91.0	103.7	107.2	102.8	114.6	116.4	119.0	121.4	4.3%
	Winter	93.0	91.1	95.1	96.2	93.5	96.7	98.9	99.6	101.0	102.2	1.4%
	Net Energy	568.4	571.0	579.3	606.2	572.1	611.9	609.6	614.3	623.1	631.0	0.8%
654-Bridgton	<u>Peak Load</u>											
	Summer	61.5	61.9	61.3	69.4	68.8	65.6	73.2	74.6	76.4	78.2	4.5%
	Winter	60.2	61.0	64.1	64.4	60.0	61.7	63.2	63.8	64.9	65.9	1.6%
	Net Energy	368.0	382.3	390.2	405.8	366.9	390.8	389.6	393.6	400.3	406.5	1.0%
514-Brunswick	<u>Peak Load</u>											
	Summer	155.1	155.5	154.8	174.3	176.2	168.4	186.6	189.0	191.2	193.7	3.6%
	Winter	151.9	153.2	161.8	161.7	153.7	158.4	161.0	161.8	162.3	163.1	0.7%
	Net Energy	927.8	960.7	985.0	1,019.3	940.1	1,002.4	992.5	997.6	1,001.0	1,006.5	0.1%
222-Dover	<u>Peak Load</u>											
	Summer	40.0	40.2	39.8	44.6	45.3	42.9	47.4	47.9	48.7	49.4	3.6%
	Winter	39.2	39.6	41.6	41.4	39.5	40.3	40.9	41.0	41.3	41.6	0.8%
	Net Energy	239.3	248.2	253.6	261.0	241.7	255.3	252.3	252.5	254.8	256.8	0.2%
524-Farmington	<u>Peak Load</u>											
	Summer	188.7	186.9	203.6	211.1	164.3	152.6	135.1	138.2	142.0	145.5	-1.2%
	Winter	184.7	184.2	212.8	195.8	143.3	143.6	116.6	118.3	120.5	122.5	-3.9%
	Net Energy	1,128.6	1,154.9	1,295.8	1,234.2	876.8	908.6	718.8	729.6	743.4	756.2	-4.5%
551-Lewiston	<u>Peak Load</u>											
	Summer	145.1	145.4	144.3	164.6	171.7	165.3	185.0	187.6	190.9	194.0	4.1%
	Winter	142.0	143.3	150.8	152.7	149.8	155.5	159.7	160.6	162.0	163.4	1.2%
	Net Energy	867.8	898.3	918.4	962.2	916.2	984.3	984.3	990.1	999.6	1,008.2	0.6%
441-Portland	<u>Peak Load</u>											
	Summer	338.8	337.0	329.3	359.2	371.1	356.2	405.1	415.5	424.8	434.2	5.1%
	Winter	331.7	332.1	344.2	333.2	323.6	335.1	349.6	355.6	360.6	365.6	2.2%
	Net Energy	2,026.6	2,082.4	2,095.9	2,100.0	1,979.8	2,120.9	2,155.1	2,193.0	2,224.4	2,256.2	1.6%
231-Rockland	<u>Peak Load</u>											
	Summer	106.5	113.5	110.1	121.1	122.5	122.3	130.2	132.0	134.4	136.7	2.8%
	Winter	104.3	111.8	115.0	112.4	106.8	115.1	112.4	112.9	114.1	115.1	0.0%
	Net Energy	637.2	701.1	700.4	708.3	653.5	728.3	692.8	696.4	703.9	710.2	-0.6%
225-Skowhegan	<u>Peak Load</u>											
	Summer	33.6	33.6	33.3	36.4	36.8	34.8	38.9	39.4	40.1	40.8	4.1%
	Winter	32.9	33.1	34.8	33.8	32.1	32.7	33.6	33.7	34.1	34.4	1.2%
	Net Energy	201.2	207.5	211.8	213.0	196.2	207.1	207.0	207.8	210.1	212.1	0.6%
221-Waterville	<u>Peak Load</u>											
	Summer	120.6	105.2	100.9	112.4	120.5	114.3	127.2	128.1	129.6	131.0	3.5%
	Winter	118.1	103.6	105.4	104.3	105.1	107.5	109.8	109.6	110.0	110.3	0.6%
	Net Energy	721.4	649.8	641.8	657.3	642.9	680.3	677.0	676.0	678.6	680.8	0.0%

Actual LSF by Month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002	1.3929	1.3783	1.2668	1.1528	1.1444	1.3004	1.4084	1.4643	1.3804	1.2571	1.3113	1.4339
2003	1.3962	1.3599	1.3270	1.2080	1.1184	1.4050	1.3595	1.4178	1.2006	1.2578	1.2721	1.3971
2004	1.4426	1.2957	1.2236	1.1813	1.1179	1.3122	1.3315	1.3803	1.2312	1.2385	1.2728	1.4273
2005	1.3818	1.2889	1.2656	1.1183	1.1301	1.4193	1.4983	1.4391	1.2791	1.2274	1.2560	1.3899
2006	1.3422	1.3479	1.2550	1.1435	1.1945	1.3869	1.5390	1.5562	1.2434	1.2707	1.3139	1.3572
2007	1.3690	1.3707	1.4178	1.1923	1.1645	1.4555	1.4795	1.4796				

Projected LSF by Month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007	1.3575	1.3084	1.2808	1.1564	1.1438	1.4281	1.4575	1.4828	1.3067	1.2591	1.2851	1.3842
2008	1.3520	1.3031	1.2793	1.1513	1.1426	1.4430	1.4699	1.4975	1.3156	1.2597	1.2833	1.3840
2009	1.3465	1.2978	1.2778	1.1462	1.1414	1.4579	1.4823	1.5122	1.3245	1.2603	1.2815	1.3838
2010	1.3410	1.2925	1.2763	1.1411	1.1402	1.4728	1.4947	1.5269	1.3334	1.2609	1.2797	1.3836
2011	1.3355	1.2872	1.2748	1.1360	1.1390	1.4877	1.5071	1.5416	1.3423	1.2615	1.2779	1.3834

Monthly Peak Load (MW)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002	1465.5	1450.2	1332.9	1212.9	1204.1	1368.2	1481.8	1540.7	1452.4	1322.7	1379.7	1508.7
2003	1501.1	1462.0	1426.7	1298.7	1202.4	1510.5	1461.6	1524.3	1290.8	1352.3	1367.7	1502.0
2004	1587.4	1425.8	1346.5	1299.9	1230.1	1444.0	1465.2	1518.9	1354.8	1362.8	1400.6	1570.6
2005	1551.6	1447.3	1421.2	1255.8	1269.0	1593.8	1682.5	1616.0	1436.3	1378.3	1410.4	1560.8
2006	1449.5	1455.6	1355.3	1234.9	1290.0	1497.7	1662.0	1680.6	1342.8	1372.3	1418.9	1465.7
2007	1490.3	1492.2	1543.4	1298.0	1267.7	1584.5	1610.6	1610.7				

Projected Peak Load (MW)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Net Energy	AHRL	Load Factor
2007	1486.1	1432.4	1402.2	1266.0	1252.2	1563.4	1595.6	1623.3	1430.5	1378.4	1406.9	1515.4	9,590,050	1094.8	67.4%
2008	1450.7	1398.2	1372.7	1235.3	1226.0	1548.3	1577.2	1606.8	1411.6	1351.6	1377.0	1485.0	9,399,401	1073.0	66.8%
2009	1459.0	1406.3	1384.6	1242.0	1236.8	1579.8	1606.2	1638.6	1435.2	1365.6	1388.6	1499.5	9,492,189	1083.6	66.1%
2010	1470.1	1416.9	1399.2	1251.0	1250.0	1614.6	1638.6	1673.9	1461.8	1382.3	1402.9	1516.8	9,603,452	1096.3	65.5%
2011	1480.4	1426.8	1413.1	1259.2	1262.5	1649.1	1670.5	1708.8	1487.9	1398.3	1416.5	1533.4	9,710,133	1108.5	64.9%
2007-11	-0.1%	-0.1%	0.2%	-0.1%	0.2%	1.1%	0.9%	1.0%	0.8%	0.3%	0.1%	0.2%	0.2%		-0.8%
2009-11	0.7%	0.7%	1.0%	0.7%	1.0%	2.2%	2.0%	2.1%	1.8%	1.2%	1.0%	1.1%	1.1%		-1.0%

Extended Peak Load Forecast (MW)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Net Energy	AHRL	Load Factor
2012	1491.1	1437.2	1427.5	1267.9	1275.6	1684.8	1703.7	1745.0	1515.0	1415.0	1430.7	1550.7	9,820,974	1121.1	64.2%
2013	1502.0	1447.7	1442.1	1276.7	1288.8	1721.4	1737.5	1782.0	1542.5	1431.8	1445.0	1568.2	9,933,081	1133.9	63.6%
2014	1512.9	1458.2	1456.9	1285.5	1302.2	1758.8	1771.9	1819.8	1570.6	1448.8	1459.4	1585.9	10,046,467	1146.9	63.0%
2015	1523.9	1468.8	1471.8	1294.4	1315.6	1796.9	1807.1	1858.4	1599.1	1466.1	1474.0	1603.7	10,161,147	1159.9	62.4%

2016	1535.0	1479.5	1486.8	1303.3	1329.2	1835.9	1842.9	1897.8	1628.2	1483.5	1488.7	1621.8	10,277,137	1173.2	61.8%
2017	1546.2	1490.2	1502.0	1312.3	1343.0	1875.8	1879.5	1938.0	1657.8	1501.2	1503.6	1640.1	10,394,450	1186.6	61.2%

Extreme (90/10) Peak Load Forecast (MW)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007												1555.3
2008								1766.8				1524.9
2009								1798.6				1539.4
2010								1833.9				1556.7
2011								1868.8				1573.3
2012								1905.0				1590.6
2013								1942.0				1608.1
2014								1979.8				1625.8
2015								2018.4				1643.6
2016								2057.8				1661.7
2017								2098.0				1680.0
Delta								160.0				39.9

90/10 Exteme Peak Forecast Comparison, Fall 2006 vs. Winter 2007 Update

	Fall 2006 90/10 Forecast			Winter 2007 Update 90/10 Forecast			Change in Max Load
	August	December	Max Load	August	December	Max Load	
2008	1,845.4	1,552.5	1,845.4	1,766.8	1,524.9	1,766.8	-78.6
2009	1,885.7	1,560.8	1,885.7	1,798.6	1,539.4	1,798.6	-87.1
2010	1,925.8	1,571.8	1,925.8	1,833.9	1,556.7	1,833.9	-91.9
2011	1,960.8	1,577.3	1,960.8	1,868.8	1,573.3	1,868.8	-92.0
2012	1,999.5	1,585.6	1,999.5	1,905.0	1,590.6	1,905.0	-94.4
2013	2,038.9	1,593.9	2,038.9	1,942.0	1,608.1	1,942.0	-96.9
2014	2,079.1	1,602.4	2,079.1	1,979.8	1,625.8	1,979.8	-99.3
2015	2,120.1	1,610.8	2,120.1	2,018.4	1,643.6	2,018.4	-101.7
2016	2,161.9	1,619.3	2,161.9	2,057.8	1,661.7	2,057.8	-104.2
2017	2,205.2	1,627.4	2,205.2	2,098.0	1,680.0	2,098.0	-107.2

50/50 Peak Forecast Comparison, Fall 2006 vs. Winter 2007 Update

	Fall 2006 50/50 Forecast			Winter 2007 Update 50/50 Forecast			Change in Max Load
	August	December	Max Load	August	December	Max Load	
2007	1,636.2	1,501.2	1,636.2	1,610.7	1,515.4	1,610.7	-25.5
2008	1,612.0	1,504.4	1,612.0	1,606.8	1,485.0	1,606.8	-5.2
2009	1,652.3	1,512.6	1,652.3	1,638.6	1,499.5	1,638.6	-13.7
2010	1,692.5	1,523.7	1,692.5	1,673.9	1,516.8	1,673.9	-18.5
2011	1,727.4	1,529.1	1,727.4	1,708.8	1,533.4	1,708.8	-18.6