

# Weather Normalized Peak Information

Year	Date	DOW	Hr Begin	Curtail?	T at Peak Hr Begin	T at Peak Hr End	Observed Peak	GST	Obs Peak Less GST	Normalized Net Peak MW
1999	29-Jul-99	Thursday	1500	Yes	102	103	3,251	9	3,242	3,200
2000	28-Aug-00	Monday	1500	Yes	104	105	3,374	8	3,366	3,290
2001	09-Aug-01	Thursday	1600	No	95	96	3,352	0	3,352	3,361
2002	26-Jul-02	Friday	1600	Yes	103	101	3,335	0	3,335	3,311
2003	21-Aug-03	Thursday	1500	Yes	106	102	3,610	0	3,610	3,436
2004	13-Jul-04	Tuesday	1600	No	94	92	3,384	0	3,384	3,532

1.99% 5 yr CAGR

Normalized Net Peak is obtained by removing GST from the data and in years where there was no curtailment, the non GST curtailable load (PLCC, Praxair etc) are removed.

Temperature data is for KCI at the beginning and ending of the peak hour.

Load is normalized to 100 deg. Using temp at beginning of hour.

CAGR Compound Average Growth Rate

KCPL Exhibit No. 51  
Case No(s). 60-2005-0329  
Date 7/12/05 Rptr JL

## Weather Normalized Net System Input

Year	NSI	NSI_WN	NSI_NoGST	WN_NSI_NoGST
1999	14,321,161	14,480,173	13,663,526	13,822,538
2000	15,224,659	15,052,365	14,609,090	14,436,796
2001	14,716,378	14,699,934	14,619,737	14,603,293
2002	14,955,364	14,810,171	14,955,364	14,810,171
2003	15,052,549	15,100,010	15,052,549	15,100,010
2004	14,985,151	15,434,640	14,985,151	15,434,640

2.23% 5 Year Compound  
Annual Growth Rate