

Commonwealth Edison Company  
The Determination of Weather Normalized Coincident Peaks (CPs) and NonCoincident Peak (NCPs)

ICC Docket No. 11-0721  
ComEd Ex. 28.3  
Tab: WN CPsNCPs

2006 Weather Normalized	CP-ALL	% of Total	NCP<69 KV	% of Total
Residential <sup>(1)</sup>	9,799,256	45.2%	10,894,829	46.6%
Nonresidential <sup>(2)</sup>	11,888,584	54.8%	12,498,678	53.4%
Total	21,687,840	100.0%	23,393,507	100.0%

	8/12/2010		Annual		Weather Normal		Weather Normal	
	CP-ALL <sup>(3)</sup>	% of Total	NCP<69 KV <sup>(4)</sup>	% of Total	CP-ALL	% of Total	NCP<69 KV	% of Total
	4 pm to 5 pm				4 pm to 5 pm			
	(a)		(b)		(c)		(d)	
Single Family Without Electric Space Heat <sup>(5)</sup>	7,447,712	36.6%	7,608,955	35.3%	7,895,648	36.4%	8,230,114	35.2%
Multi Family Without Electric Space Heat <sup>(5)</sup>	1,483,037	7.3%	1,590,871	7.4%	1,572,233	7.2%	1,720,742	7.4%
Single Family With Electric Space Heat <sup>(5)</sup>	116,215	0.6%	264,934	1.2%	123,205	0.6%	286,562	1.2%
Multi Family With Electric Space Heat <sup>(5)</sup>	196,360	1.0%	607,794	2.8%	208,170	1.0%	657,411	2.8%
Total Residential	9,243,324	45.4%	10,072,554	46.7%	9,799,256	45.2%	10,894,829	46.6%
Watt-Hour <sup>(6)</sup>	131,153	0.6%	147,924	0.7%	141,671	0.7%	162,211	0.7%
Small Load (0 to 100 kW) <sup>(6)</sup>	2,562,955	12.6%	2,729,101	12.7%	2,768,489	12.8%	2,992,691	12.8%
Medium Load (Over 100 to 400 kW) <sup>(6)</sup>	2,078,022	10.2%	2,333,836	10.8%	2,244,667	10.3%	2,559,249	10.9%
Large Load (Over 400 to 1000 kW) <sup>(6)</sup>	1,877,335	9.2%	1,971,574	9.1%	2,027,886	9.4%	2,161,998	9.2%
Very Large Load (Over 1,000 to 10,000 kW) <sup>(6)</sup>	3,088,019	15.2%	3,267,715	15.2%	3,335,660	15.4%	3,583,327	15.3%
Extra Large Load (Over 10,000 kW) <sup>(7)</sup>	648,007	3.2%	681,746	3.2%	648,007	3.0%	681,746	2.9%
High Voltage (Up to 10,000 kW) <sup>(7)(8)</sup>	28,407	0.1%	8,258	0.0%	28,407	0.1%	8,258	0.0%
High Voltage (Over 10,000 kW) <sup>(7)(8)</sup>	584,153	2.9%	13,924	0.1%	584,153	2.7%	13,924	0.1%
Fixture-Included Lighting <sup>(7)</sup>	529	0.0%	42,324	0.2%	529	0.0%	42,324	0.2%
Dusk to Dawn Lighting <sup>(7)</sup>	1,822	0.0%	145,711	0.7%	1,822	0.0%	145,711	0.6%
General Lighting <sup>(7)</sup>	8,230	0.0%	8,230	0.0%	8,230	0.0%	8,230	0.0%
Railroad <sup>(7)(9)</sup>	99,063	0.5%	139,008	0.6%	99,063	0.5%	139,008	0.6%
Nonresidential	11,107,695	54.6%	11,489,351	53.3%	11,888,584	54.8%	12,498,677	53.4%
Total	20,351,019	100.0%	21,561,905	100.0%	21,687,840	100.0%	23,393,506	100.0%

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	<b>8/12/2010 CP-ALL<sup>(3)</sup> 4 pm to 5 pm (a)</b>	<b>% of Total</b>	<b>Annual NCP&lt;69 KV<sup>(4)</sup> (b)</b>	<b>% of Total</b>	<b>Weather Normal CP-ALL 4 pm to 5 pm (c)</b>	<b>% of Total</b>	<b>Weather Normal NCP&lt;69 KV (d)</b>	<b>% of Total</b>
<b>Secondary Voltage Service Points Only</b>								
Small Load (0 to 100 kW) <sup>(6)</sup>	2,560,991		2,727,224		2,766,367		2,990,633	
Medium Load (Over 100 to 400 kW) <sup>(6)</sup>	2,057,629		2,312,978		2,222,639		2,536,376	
Large Load (Over 400 to 1000 kW) <sup>(6)</sup>	1,825,257		1,911,907		1,971,632		2,096,568	
Very Large Load (Over 1,000 to 10,000 kW)	2,410,606		2,521,504		2,603,922		2,765,043	
Extra Large Load (Over 10,000 kW) <sup>(7)</sup>	304,454		312,578		304,454		312,578	
High Voltage (Up to 10,000 kW) <sup>(7)(8)</sup>	742		1,003		742		1,003	
High Voltage (Over 10,000 kW) <sup>(7)(8)</sup>	2,880		3,139		2,880		3,139	
<b>Primary Voltage Service Points with ComEd Transformers</b>								
Small Load (0 to 100 kW) <sup>(6)</sup>	544		1,023		588		1,122	
Medium Load (Over 100 to 400 kW) <sup>(6)</sup>	12,875		16,267		13,907		17,838	
Large Load (Over 400 to 1000 kW) <sup>(6)</sup>	28,037		34,876		30,285		38,244	
Very Large Load (Over 1,000 to 10,000 kW)	412,013		459,838		445,054		504,251	
Extra Large Load (Over 10,000 kW) <sup>(7)</sup>	225,093		245,624		225,093		245,624	
High Voltage (Up to 10,000 kW) <sup>(7)(8)</sup>	400		580		400		580	
High Voltage (Over 10,000 kW) <sup>(7)(8)</sup>	4,474		4,485		4,474		4,485	
<b>Primary Voltage Service Points No ComEd Transformer</b>								
Small Load (0 to 100 kW) <sup>(6)</sup>	1,420		4,109		1,534		4,506	
Medium Load (Over 100 to 400 kW) <sup>(6)</sup>	7,518		9,618		8,121		10,547	
Large Load (Over 400 to 1000 kW) <sup>(6)</sup>	24,041		26,340		25,969		28,884	
Very Large Load (Over 1,000 to 10,000 kW)	265,400		299,172		286,684		328,068	
Extra Large Load (Over 10,000 kW) <sup>(7)</sup>	118,460		140,952		118,460		140,952	
High Voltage (Up to 10,000 kW) <sup>(7)(8)</sup>	3,774		7,005		3,774		7,005	
High Voltage (Over 10,000 kW) <sup>(7)(8)</sup>	5,267		6,815		5,267		6,815	

Notes:

- (1) The CP-ALL load is the sum of the residential class load on July 17, 2006 for the hour between 4 pm and 5 pm, ComEd's system peak on that day.  
The NCP<69 kV load is the sum of the highest single and multi family non electric space heat subclass loads on July 17, 2006 plus the sum of the highest 2006 single and multi family electric space heating subclass loads.
- (2) The CP-ALL load is the sum of the nonresidential class hourly loads on July 17, 2006 for the hour between 4 pm and 5 pm, ComEd's system peak on that day.  
The NCP<69 kV load is the sum of the highest individual customer class hourly loads in 2006 for the portion of the loads delivered at voltages below 69 kV.
- (3) The loads under column (a) are the hourly loads of individual classes on August 12, 2010 for the hour between 4 pm and 5 pm, ComEd's system peak for that hour during 2010.
- (4) The loads under column (b) are the highest individual customer class hourly loads in 2010 for the portion of the loads delivered at voltages below 69 kV.
- (5) The loads under columns (c) and (d) for the residential classes are determined by allocating the totals described in Note (1) to the classes based on the loads shown in columns (a) and (b), respectively.
- (6) The loads under columns (c) and (d) for the smaller nonresidential classes up to the Very Large Load are determined from total nonresidential described in Note (2) after removing the loads for the larger customer classes and lighting classes shown in columns (a) and (b) respectively, and allocating the rest to these smaller nonresidential classes based on the loads shown in columns (a) and (b), respectively.
- (7) The loads for these classes shown in columns (a) and (b) are the same as the loads for these classes shown in columns (c) and (d), respectively.
- (8) Loads presented do not include the Zero Standard Portion described in Rider ZSS - Zero Standard Service.

Commonwealth Edison Company  
The Determination of Non-coincident Demands by Customer Class  
for Customers Taking Service at Secondary Voltages Distribution Lines (NCP-SEC LINE)

	Class Noncoincident Peak Demand for Load < 69 kV (NCP < 69 kV) in kW <sup>(1)</sup>	% of Customers Not Taking Service from Secondary Distribution Lines <sup>(2)</sup>	% of Customers Taking Service from Secondary Distribution Lines	NCP-SEC LINE in kW <sup>(3)</sup>
	(A)	(B)	(C) = 1 - (B)	(D) = (A) * (C)
<u>Residential</u>				
1 Single Family Without Electric Space Heat	8,230,114	2.3%	97.7%	8,040,821
2 Multi Family Without Electric Space Heat	1,720,742	18.1%	81.9%	1,409,288
3 Single Family With Electric Space Heat	286,562	18.7%	81.3%	232,975
4 <u>Multi Family With Electric Space Heat</u>	<u>657,411</u>	18.1%	81.9%	<u>538,420</u>
Total Residential	10,894,829			10,221,504
<u>Nonresidential</u>				
5 Watt-Hour	162,211	6.5%	93.5%	151,667
6 Small Load (0 to 100 kW)	2,992,691	13.9%	86.1%	2,576,707
7 Medium Load (Over 100 to 400 kW)	2,559,249	83.6%	16.4%	419,717
8 Large Load (Over 400 to 1000 kW)	2,161,998	100.0%	0.0%	-
9 Very Large Load (Over 1,000 to 10,000 kW)	3,583,327	100.0%	0.0%	-
10 Extra Large Load (Over 10,000 kW)	681,746	100.0%	0.0%	-
11a. High Voltage Up to 10 MW	8,258	100.0%	0.0%	-
11b. High Voltage Over 10 MW	13,924	100.0%	0.0%	-
12 Fixture-Included Lighting	42,324	1.4%	98.6%	41,731
13 Dusk to Dawn Lighting	145,711	1.4%	98.6%	143,671
14 General Lighting	8,230	1.4%	98.6%	8,115
15 <u>Railroad</u>	<u>139,008</u>	100.0%	0.0%	<u>-</u>
Total Nonresidential	12,498,677			3,341,608
Total	23,393,506			13,563,112

## Notes:

- (1) Transferred from column (d) on the WN CPsNCPs page.  
(2) From a "Estimated Percent of Customers That Do Not Receive Service from the Secondary Distribution System" work paper.  
(3) Used in ComEd Ex. 28.2 Schedule 2b, Line 31, Pages 1 and 2 of 4.