

Metropolitan Edison Company,  
Pennsylvania Electric Company  
and Jersey Central Power & Light  
Company Supplier  
Peak Load Share Sample  
Calculations  
(For Capacity and Transmission  
Obligation Purposes)  
Commencing January 1, 2009

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## Example of an Interval-Metered Customer's PLS Calculation

The Customer Peak Load Share (PLS) is calculated as:

CAP_PLS for Customer i	=	CUST_PLS for Customer i	*	PC_FACTOR i	*	WN_FACTOR
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Where:

CUST_PLS for Customer i	=	(	CUST_LOAD for Customer i	+	CUST_ALM for Customer i	)	*	LOSSES_ FACTOR by Service Level	*	CUST_ FACTOR for Customer i
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### Example

Territory	Met-Ed
Load Profile Class	TPI
July 26, 2005 Meter Reading for Hour Ending at 1600	6834 kW
August 2, 2005 Meter Reading for Hour Ending at 1700	6871 kW
August 3, 2005 Meter Reading for Hour Ending at 1700	7165 kW
August 4, 2005 Meter Reading for Hour Ending at 1700	6885 kW
August 12, 2005 Meter Reading for Hour Ending at 1700	7129 kW
Customer Average Load at time of PJM Peaks	6976.8 kW
Actual Curtailed Load at time of PJM Peaks	0 kW
Service Level Loss Factor	1.021
Customer Factor	1.0
Weather Normalization Factor	0.972737
Post Processing Correction Factor	.9992
Customer Peak Load Share (PLS)	6923.57 kW
Customer PLS Published in Customer Eligibility File	6923.57 kW
Transmission Conversion Factor	1.037765
Customer Transmission Peak Load Share (TPLS)	7185.04 kW

Note - the values shown herein are for illustrative purposes only

## Example of a Monthly-Metered Customer's PLS Calculation

The Customer Peak Load Share (PLS) is calculated as:

CAP_PLS for Customer i	=	CUST_PLS for Customer i	*	PC_FACTOR i	*	WN_FACTOR
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Where:

CUST_PLS for Customer i	=	(	CUST_LOAD for Customer i	+	CUST_ALM for Customer i	)	*	LOSSES_ FACTOR by Service Level	*	CUST_ FACTOR for Customer i
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### Example

Territory	Penelec					
Load Profile Class	RSNH					
	Meter Reading	Profile Usage	Usage Factor	LOSSES_ FACTOR	CUST_ FACTOR	CUST_ PLS
July 26, 2005 Meter Reading	693 kWh	712.54	0.97258	1.0945	1.5425	1.64
August 2, 2005 Meter Reading	693 kWh	712.54	0.97258	1.0945	1.5782	1.68
August 3, 2005 Meter Reading	693 kWh	712.54	0.97258	1.0945	1.7598	1.87
August 4, 2005 Meter Reading	693 kWh	712.54	0.97258	1.0945	1.7065	1.82
August 12, 2005 Meter Reading	735 kWh	695.88	1.05622	1.0945	1.7133	1.98
Average CUST_PLS						1.7985
Weather Normalization Factor						.972737
Post Processing Correction Factor						.998
Customer Peak Load Share (PLS)						1.75 kW
Customer PLS Published in Customer Eligibility File						1.75 kW
Transmission Conversion Factor						1.037765
Customer Transmission Peak Load Share (TPLS)						1.82 kW

Note - the values shown herein are for illustrative purposes only

## Example of a Weather Normalization Scaling Factor Calculation

The Weather Normalization Scaling Factor is calculated as:

WN_FACTOR For and all Customers	=	The Zone's Share of the five PJM Weather Normalized Restricted Peaks	/	The Zone's Average restricted as-metered load at the time of the five PJM Peaks
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The Zone's share of the PJM Weather Normalized Restricted Peaks	11,260 MW
The Zone's Average restricted as-metered load at the time of the five PJM Peaks	11,575 MW
The Zone's Weather Normalization Scaling Factor (WN_FACTOR)	.972737

Note - the values shown herein are for illustrative purposes only

## Example of a Post Processing Correction Factor Calculation

The Customer Peak Load Share (PLS) is calculated as:

PC_FACTOR	=	Unrestricted Peak Load of The Zonal Peak Load Share	/	SUM of CAP_PLS
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### *Example*

Territory	Penelec
PENELEC allocation of the Unrestricted Peak Load of the Zonal Peak Load Share	2,410,819 kW
Average over 5 PJM Peak Days of Sum of all Customer's in PENELEC calculated Peak Load Share (Sum of CAP_PLS for PENELEC)	2,415,604 kW
Profile Class GSTI Post Processing Correction Factor (PC_FACTOR)	.9980

Note - the values shown herein are for illustrative purposes only

## Example of a Transmission PLS Scaling Factor Calculation

The Zonal Transmission Peak Load Share Scaling Factor is calculated as:

TRANS_FACTOR for all Profile Classes and all Customers	=	The Zonal As-metered peak load for planning period	/	The Zonal Capacity PLS from PJM for planning period
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***Example***

The Zonal as-metered peak load for planning period	11,685 MW
The Zonal Capacity PLS for planning period as assigned by PJM	11,260 MW
Transmission PLS Scaling Factor (TRANS_FACTOR)	1.037765

Note – the values shown herein are for illustrative purposes only