

**Information for Potomac Electric Power Company  
PEPCO Zone  
Capacity and Transmission  
Peak Load Calculations for Year 2022**

This report provides information related to the Capacity and Transmission PLC calculations for DC and MD based on summer 2021 peak data.

**2021 PEPCO Zone Capacity Peak Hours**

|                     | <b>1</b>  | <b>2</b>  | <b>3</b>  | <b>4</b> | <b>5</b>  |
|---------------------|-----------|-----------|-----------|----------|-----------|
| <b>Day of Peak</b>  | 8/24/2021 | 8/12/2021 | 6/29/2021 | 7/6/2021 | 8/26/2021 |
| <b>Hour of Peak</b> | 18        | 17        | 17        | 17       | 16        |

2021 Weather-normalized Coincident Peak for – PEPCO zone (MW): 5,750.0\*

2021 PJM Allocated Weather-normalized Coincident Peak for PEPCO (MW): 5,003.9

**2021 PEPCO Zone Transmission Peak Hours**

|                     | <b>1</b>  | <b>2</b>  | <b>3</b>  | <b>4</b>  | <b>5</b>  |
|---------------------|-----------|-----------|-----------|-----------|-----------|
| <b>Day of Peak</b>  | 8/12/2021 | 6/30/2021 | 8/13/2021 | 7/13/2021 | 7/12/2021 |
| <b>Hour of Peak</b> | 18        | 19        | 16        | 17        | 17        |

2021 Pepco Zone Transmission Peak Load (MW)\* on 8/12/2021 @ HE 18: 5,829.0

2021 PEPCO Transmission Peak Load (MW) on 8/12/2021 @ HE 18: 5,058.2

\*includes FMEDC load

**Reconciliation Factors**

|                         |                  |
|-------------------------|------------------|
| <b>Capacity PLC</b>     | 1.03191397935897 |
| <b>Transmission PLC</b> | 1.01345576100714 |

**UFE Factors for 2022 Capacity PLC**

| <b>Peak Date<br/>Hour</b> | 6/29/2021<br>17 | 7/6/2021<br>17 | 8/12/2021<br>17 | 8/24/2021<br>18 | 8/26/2021<br>16 |
|---------------------------|-----------------|----------------|-----------------|-----------------|-----------------|
|                           | 0.967306691     | 0.962151233    | 0.971157217     | 0.976213167     | 0.968844652     |

**UFE Factors for 2022 Transmission PLC**

| <b>Peak Date<br/>Hour</b> | 6/30/2021<br>19 | 7/12/2021<br>17 | 7/13/2021<br>17 | 8/12/2021<br>18 | 8/13/2021<br>16 |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                           | 0.98049128      | 0.970931459     | 0.968414444     | 0.971482563     | 0.966147953     |

**Alpha Factors for 2022 Capacity PLC**

| <b>Peak Date and<br/>Hour</b> | 6/29/2021<br>17 | 7/6/2021<br>17 | 8/12/2021<br>17 | 8/24/2021<br>18 | 8/26/2021<br>16 |
|-------------------------------|-----------------|----------------|-----------------|-----------------|-----------------|
| <b>Jurisdiction</b>           |                 |                |                 |                 |                 |
| <b>DC</b>                     | -2.87273        | -2.87669       | -3.09463        | -2.93622        | -2.78048        |
| <b>MD</b>                     | -2.74211        | -2.71554       | -2.8706         | -2.73197        | -2.4783         |

### Alpha Factors for 2022 Transmission PLC

| Peak Date and Hour | 6/30/2021 | 7/12/2021 | 7/13/2021 | 8/12/2021 | 8/13/2021 |
|--------------------|-----------|-----------|-----------|-----------|-----------|
| Jurisdiction       | 19        | 17        | 17        | 18        | 16        |
| DC                 | -3.22936  | -3.05074  | -2.98492  | -3.24638  | -3.06094  |
| MD                 | -3.19167  | -2.88095  | -2.85979  | -3.05977  | -2.82278  |

### Default Peak Load Contributions - DC

| Profile | Loss Factors (Demand) | 2022 Default Capacity PLC (effective 6/1/2022) | 2022 Default Transmission PLC (effective 1/1/2022) |
|---------|-----------------------|--|--|
| DCGS    | 1.09630               | 21.6   | 21.5   |
| DCGT    | 1.09630               | 308  | 301.3  |
| DCMMA   | 1.09630               | 57   | 57.9   |
| DCND    | 1.09630               | 2.4  | 2.4  |
| DRTM    | 1.09630               | 9.8  | 10.1   |
| RDNS    | 1.09630               | 1.9  | 2  |
| RDSH    | 1.09630               | 1.4  | 1.5  |
| SL      | 1.09890               | 0  | 0  |
| TN      | 1.09890               | 212.5  | 209.2  |
| TS      | 1.09890               | 436.2  | 429.4  |

### Default Peak Load Contributions - MD

| Profile | Loss Factors (Demand) | 2022 Default Capacity PLC (effective 6/1/2022) | 2022 Default Transmission PLC (effective 1/1/2022) |
|---------|-----------------------|--|--|
| MDGT    | 1.09630               | 1389.1   | 1371.8   |
| MDMGT   | 1.09630               | 46.7   | 46.3   |
| MDND    | 1.09630               | 2.3  | 2.3  |
| MRTMSH  | 1.09630               | 4.6  | 4.7  |
| MRTMNS  | 1.09630               | 4.6  | 4.7  |
| RMNS    | 1.09630               | 2.7  | 2.8  |
| RMSH    | 1.09630               | 2.2  | 2.3  |
| SL      | 1.09890               | 0  | 0  |
| TN      | 1.09890               | 212.5  | 209.2  |