**Acronyms**

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
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<tr>
<td>CA</td>
<td>Charge Allocation</td>
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<tr>
<td>CET</td>
<td>Coordinated External Transaction</td>
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<tr>
<td>DA</td>
<td>Day-Ahead</td>
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<tr>
<td>DARD</td>
<td>Dispatchable Asset Related Demand</td>
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<tr>
<td>DRR</td>
<td>Demand Response Resource</td>
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<tr>
<td>EOC</td>
<td>Effective Offer for Commitment</td>
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<td>EOD</td>
<td>Effective Offer for Dispatch</td>
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<tr>
<td>ESD</td>
<td>Energy Storage Device</td>
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<tr>
<td>HV VAR</td>
<td>High Voltage VAR</td>
</tr>
<tr>
<td>LMP</td>
<td>Locational Marginal Price</td>
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<tr>
<td>LSCPR</td>
<td>Local Second Contingency Protection Resource</td>
</tr>
<tr>
<td>LV VAR</td>
<td>Low Voltage VAR</td>
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<tr>
<td>NCPC</td>
<td>Net Commitment Period Compensation</td>
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<td>RR</td>
<td>Reliability Region</td>
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<td>RT</td>
<td>Real-Time</td>
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<td>SCR</td>
<td>Special Constraint Resource</td>
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</table>

**Related Calculation Summaries**

<table>
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<tr>
<th>Calculation Summary</th>
<th>Related Market</th>
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<tr>
<td>energy_market_calc_sum</td>
<td>Energy Market</td>
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**Related Market Information Server (MIS) and World-wide Web (WW) Reports**

<table>
<thead>
<tr>
<th>Report Code</th>
<th>Report Long Name</th>
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<tr>
<td>SD_DANCPCDARD</td>
<td>Day-Ahead DARD Commitment Report</td>
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<tr>
<td>SD_DANCPCDRR</td>
<td>Day-Ahead Demand Response Resource Commitment and Dispatch Report</td>
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<td>SD_DANCPCGEN</td>
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<td>SD_DANCPCPYMT</td>
<td>Day-Ahead Net Commitment Period Compensation Payment Report</td>
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<tr>
<td>SR_DANCPCSTLMNTSUM</td>
<td>DA NCPC Settlement Summary Report</td>
</tr>
</tbody>
</table>
Settlement Period Calculation

\[
\text{MAX } \left[ \left( \text{Settlement Period DA Commitment Cost} \right) + \left( \text{Settlement Period DA Dispatch Cost} \right) \right] - \left( \text{Settlement Period DA Revenue} \right), 0 \right]
\]

Hourly Calculations

\[
\text{No Load Fee (EOC/EOD) } + \text{Start-Up Fee (EOC/EOD)} + \left( \text{Economic Min MW} \times \text{DA Offer Price (EOC/EOD)} \right)
\]

\[
\left( \text{DA Cleared MW} - \text{Economic Min MW} \right) \times \text{DA LMP} \times \text{DA Cleared MW}
\]
Hourly Calculation

\[
\text{MAX } [((\text{DA Commitment Cost }) + (\text{DA Dispatch Cost })) - (\text{DA Revenue } )], 0]\]
**Note:** The relevant ISO New England Markets, Services and Transmission Tariff and the relevant Market Manuals, Operating Procedures and Planning Procedures shall govern.

**IMPORTS**

Note: This includes both External Transaction purchases and Increment Offers at External Nodes, and excludes CETs.

**EXPORTS**

Note: This includes both External Transaction sales and Decrement Offers at External Nodes, and excludes CETs.
Hourly Calculation

*If DARD did not reach maximum daily starts or ESD

\[
\text{MAX} \left( \left( \frac{\text{DA Cleared MW}}{\text{DA LMP}} \right) \times \left( \frac{\text{Min Consumption MW}}{\text{DA Bid Price (EOC/EOD)}} \right) \right) - \left( \left( \frac{\text{Min Consumption MW}}{\text{DA Commitment Energy Bid (EOD)}} \right) \times \text{DA Bid Price (EOC/EOD)} \right) + \left( \frac{\text{DA NCPC DARD Pump Credit (Economic)}}{\text{(EOD)}} \right), 0 \right]
\]
Settlement Period Calculation

*If DARD reached maximum daily starts

\[
\text{MAX } [(\text{DA Energy Cost} - (\text{DA Commitment Energy Bid} + \text{DA Dispatch Energy Bid})), 0]
\]

Hourly Calculations

\[
-1 \times (\text{DA Cleared MW} \times \text{DA LMP} - \text{Min Consumption MW} \times \text{DA Bid Price (EOC/EOD)}) \times (\text{DA Cleared MW} - \text{Min Consumption MW}) \times \text{DA Bid Price (EOD)}
\]
Hourly Calculation

*If DRR did not reach maximum daily starts (Fast Start DRR)

\[
\text{MAX} \left[ \left( \text{Interruption Cost} \left( \frac{\text{EOC/EOD}}{\text{MW}} \right) \right) \times \left( \text{Minimum Reduction Limit MW} \right) \right] + \left( \text{DA Commitment Cost} \left( \frac{\text{MW}}{\text{EOC/EOD}} \right) \right) - \left( \text{DA Offer Price} \left( \frac{\text{EOC/EOD}}{\text{MW}} \right) \right) \times \left( \frac{\text{DA LMP} \left( \frac{\text{EOC/EOD}}{\text{MW}} \right) \times \left( 1 + \text{Pool Distribution Loss Factor} \right)}{\text{DA Cleared MW}} \right) \]

\[
\times \left( \frac{\text{DA Revenue} \left( \frac{\text{EOC/EOD}}{\text{MW}} \right)}{\text{DA Cleared MW}} \right) \times \left( 1 + \text{Pool Distribution Loss Factor} \right)
\]

\[
+ \left( \text{Minimum Reduction Limit MW} \right) \times \left( \text{DA Offer Price} \left( \frac{\text{EOC/EOD}}{\text{MW}} \right) \right) \times \left( 1 + \text{Pool Distribution Loss Factor} \right)
\]

\[
\left( \frac{\text{EOC/EOD}}{\text{MW}} \right) \times \left( \frac{\text{EOC/EOD}}{\text{MW}} \right) \times \left( \frac{\text{EOC/EOD}}{\text{MW}} \right)
\]

\[
\text{Current value is 0.055}
\]
Settlement Period Calculation

*If DRR reached maximum daily starts (Fast Start DRR) or Non-Fast Start DRR

\[
\text{MAX } [((\text{Settlement Period DA Commitment Cost } \times \text{DA Cleared MW}) + \text{Settlement Period DA Dispatch Cost}) - \text{Settlement Period DA Revenue}), 0] \]

Hourly Calculations

\[
\text{Interruption Cost (EOC/EOD)} + [((\text{Minimum Reduction Limit MW} \times \text{DA Offer Price (EOC/EOD)}) \times (1 + \text{Pool Distribution Loss Factor}^1))]
\]

1 Current value is 0.055
**Note:** The relevant ISO New England Markets, Services and Transmission Tariff and the relevant Market Manuals, Operating Procedures and Planning Procedures shall govern.

---

**Daily DA Generator & DRR Economic Charge**

\[ \text{Daily DA Generator & DRR Economic Charge} \]

\[ \times \left( \frac{\text{Pool Generator & DRR DA Economic NCPC Credits}}{\text{Participant Daily DA Load Obligation for CA}^*} \right) \]

\[ \div \left( \frac{\text{Pool Daily DA Load Obligation for CA}^*}{\text{MW}} \right) \]

*Excludes Coordinated External Transactions*

Daily DA DARD Economic Charge

Pool DARD DA Economic NCPC Credits

Participant Daily DA Load Obligation for CA*

Pool Daily DA Load Obligation for CA*

Participant DA Load Obligation

Participant DA DARD Load Obligation Reduction

*Excludes Coordinated External Transactions

Most recent changes are shown in red.
**Note:** The relevant ISO New England Markets, Services and Transmission Tariff and the relevant Market Manuals, Operating Procedures and Planning Procedures shall govern.

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**DA External Node NCPC Economic Charge**

**ISO New England Calculation Summary**

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**IMPORTS**

- **Participant Hourly Day-Ahead Economic Import Charge ($)**
  
  - Hourly Day-Ahead NCPC Import Credit ($)
  
  \[ \times \]

- **Pool Hourly Day-Ahead Load Obligation at External Node (MW)**

---

**EXPORTS**

- **Participant Hourly Day-Ahead Economic Export Charge ($)**
  
  - Hourly Day-Ahead NCPC Export Credit ($)
  
  \[ \times \]

- **Pool Hourly Day-Ahead Generation Obligation at External Node (MW)**

DA NCPC LSCPR Charge
ISO New England Calculation Summary

Participant DA LSCPR NCPC Charge ($)

RR Asset DA LSCPR NCPC Credits ($) × (Participant RT RR LSCPR NCPC Load Obligation (MW) / Pool RT RR LSCPR NCPC Load Obligation (MW))

Participant RT RR Load Obligation for CA* (MW) + Participant RT External Sale Load Obligation (MW) + Participant RT DARD Load Obligation Reduction (MW)

*Excludes Coordinated External Transactions

Most recent changes are shown in red.