2022 Denver Green Code
Explanatory Video Series

CEO4: Demand Response

Community Planning & Development
Office of Climate Action, Sustainability and Resiliency
CE04: Demand Response

Why is this a priority in Denver?

- Demand response programs improve the operation of the electricity grid by shifting and/or reducing peak electricity usage
  - Avoid need to rely on backup from older, fossil fuel generated energy sources
- Enrollment provides opportunities for energy cost savings during peak demand
- Demand response also supports a cleaner electricity grid, shifting usage to times when renewable energy production is optimal

Image source: Energy Solutions
CE04: Demand Response

Project Requirements

- Provide control systems per DEC Section C406.16 that reduce building equipment loads to lower electric peak demand during demand response events.

  During DR events:
  - **Variable-speed HVAC equipment**: reduce max speed to 90% of design speed
  - **Centrally controlled interior lighting**: reduce total connected lighting power to 50-85% of baseline power level (exceptions for emergency lighting and daylighting controls)

- If a demand response program is offered by utility, the **building must be enrolled**

**Note**: Projects that select CE04 for LMU compliance cannot use DEC C406.16 for C406 compliance
### Submittal Requirements

<table>
<thead>
<tr>
<th>Phase</th>
<th>What’s required?</th>
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<tbody>
<tr>
<td>Permit</td>
<td>• Submit completed DGC LMU and DEC Checklists</td>
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<td>• Provide a narrative outlining the demand response control systems and</td>
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<td>cutsheets for all systems</td>
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<td>Construction</td>
<td>• If a demand response program is offered by the utility, provide proof of</td>
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<td>enrollment in the program</td>
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Where can I learn more?

Visit Denvergov.org/GreenCode to:

- Link to the 2022 Denver Green Code
- Download the DGC Checklists
- Watch other videos in this series
- Register for DGC Virtual Office Hours
- Find additional resources for your project

Denver Energy Code links: Code & Policies | Checklists | Resources & Trainings

For Green Buildings Ordinance, visit Denvergov.org/GreenRoofs