CE22: Drain Water Heat Recovery

Why is this a priority in Denver?

- Drain water heat recovery systems capture heat from hot water going down the drain and use it to pre-heat cold water entering the water heater
  - Reduces the energy and cost required to heat and maintain service water temperatures
  - Lowers temperature of waste heat leaving the building, reducing stress on wastewater treatment facilities
- Prolongs life of hot water heaters by lowering heating demands and reducing workload
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Project Requirements

• Install drain water heat recovery (DWHR) systems on covered systems for the following buildings:
  – Buildings with 4+ showers on a shared drain line
    » Install DWHR system on at least 80% of drains above ground floor
  – Buildings with 50+ units and 5+ washing machines in a common area
  – Laundromat facilities with 10+ commercial washing machines

• Outlines acceptable types and installation requirements for DWHR systems
## CE22: Drain Water Heat Recovery

### Submittal Requirements

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<th>Phase</th>
<th>What’s required?</th>
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| Permit  | • Submit completed DGC LMU and DEC Checklists  
          • Provide design documents showing locations of all drain water heat recovery systems  
          • Provide schedules for all drain water heat recovery schedules that include rated effectiveness |
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