

**CPRG IMPLEMENTATION GRANTS COMPETITION  
COVER PAGE FOR APPLICATION**

**APPLICANT INFORMATION**

**Organization:** Connecticut Department of Energy and Environmental Protection (CTDEEP)  
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**TYPE OF APPLICATION**

☒ **Individual Applicant**      ☐ Lead Applicant for a Coalition

**FUNDING REQUESTED:**

\$153,133,413

**APPLICATION TITLE:**

**Connecticut Clean Impact**

**BRIEF DESCRIPTION OF GHG MEASURES:**

**TRANSPORTATION SECTOR:**

1. **Medium and Heavy-duty Zero Emissions Vehicles Incentive and Charging:** Establish Connecticut's first incentive program to lower the cost of purchasing medium and heavy-duty (MHD) zero emission vehicles (ZEVs) and building charging infrastructure with the aim of putting 404 MHD ZEVs and 400 chargers into place by 2030. This measure builds on the success of the Connecticut Hydrogen and Electric Automobile Purchase Rebate (CHEAPR) program, the first in the country to offer "on the hood" rebates for light-duty electric vehicles.
2. **Idle Reduction for the CTDOT Crash Unit:** CTDEEP will partner with the Connecticut Department of Transportation's (CTDOT) to purchase Idle Reduction ZeroRPM® systems – batteries powered by solar panels - for 144 trucks that have built-in crash protection called truck mounted attenuators (TMAs). The ZeroRPM® systems take the diesel-driven MHD trucks and effectively convert them to ZEVs while maintaining their work function.

**COMMERCIAL AND RESIDENTIAL BUILDINGS SECTOR:**

3. **Expansion of Health and Safety Barriers Program and Energy Efficiency Programs:** Connecticut's established Residential Energy Preparation Services (REPS) program removes health and safety barriers (asbestos, mold, knob-and-tube wiring, etc.) that prevent weatherization projects in income-eligible households. This measure expands REPS to allow for an additional 800 low-income homes to participate and then also provides additional funding to the energy efficiency programs in the state for weatherization measures, heating, ventilation, and air conditioning (HVAC) related upgrades, water heating efficiency measures, and energy efficient appliances for 2000 homes.

**WASTE AND MATERIALS MANAGEMENT SECTOR:**

4. **Food Waste Diversion.** CT DEEP will divert food waste through enforcing full compliance with Connecticut's Commercial Organics Recycling Law and funding food waste diversion programs

and composting infrastructure for CT municipalities. Municipal programs to set up separation and collection of food wastes will help divert an estimated 16,012 tons per year by 2030, funding for composting infrastructure will increase capacity for food separation, and enforcing the law will divert an estimated 98,189 tons of food waste per year by 2030.

**SECTORS:**

- |   |   |
|---|---|
| <input type="checkbox"/> Industry                         | <input checked="" type="checkbox"/> <b>Commercial and Residential Buildings</b> |
| <input type="checkbox"/> Electricity Generation           | <input type="checkbox"/> Agriculture/Natural and Working Lands                  |
| <input checked="" type="checkbox"/> <b>Transportation</b> | <input checked="" type="checkbox"/> <b>Waste and Materials Management</b>       |
| <input type="checkbox"/> Other (please describe)          |   |

**EXPECTED TOTAL CUMULATIVE GHG EMISSION REDUCTIONS**

**Estimated cumulative GHG reductions for 2025-2030 (in metric tons):**

1,817,288 metric tons CO<sub>2</sub>e

**Estimated cumulative GHG reductions from 2025-2050 (in metric tons):**

9,791,236 metric tons CO<sub>2</sub>e

**LOCATIONS:**

State of Connecticut

**APPLICABLE PRIORITY CLIMATE ACTION PLAN (PCAP) ON WHICH MEASURES ARE BASED**

<b>PCAP Lead Organization:</b>	Connecticut Department of Energy and Environmental Protection
<b>PCAP Title:</b>	<i>EPA Climate Pollution Reduction Grant Planning Grant First Deliverable: A Priority Climate Action Plan</i>
<b>PCAP Website link:</b>	<a href="https://portal.ct.gov/-/media/DEEP/climatechange/CPRG/CT_PCAP.pdf">https://portal.ct.gov/-/media/DEEP/climatechange/CPRG/CT_PCAP.pdf</a>

**List of GHG reduction measures and PCAP page reference for each measure:**

Measure	PCAP Title(s) and Page Numbers
Medium and Heavy-Duty Zero Emissions Vehicles Incentive and Charging:	<i>EPA Climate Pollution Reduction Grant Planning Grant First Deliverable: A Priority Climate Action Plan</i> , pgs. 24 and 48-61
<u>PCAP Measures:</u> 1) “Deploy electric vehicle chargers statewide to support light-duty and medium-heavy duty fueling needs” and 2) “Establish electric vehicle incentive pathways for advanced technology vehicles (full battery electric, plug-in hybrid and fuel cell electric vehicles for light-, medium-, and heavy-duty vehicles—collectively “ZEVs”)”	PCAP measures included light and medium- and heavy-duty ZEVs. Implementation grant measure focused on MHD ZEVs only and brought charging and incentives together.

<p>Idle Reduction for CT DOT Crash Unit:</p> <p><u>PCAP Measure:</u> <i>“Purchase Idle Reduction ZeroRPM® for truck mounted attenuators (TMAs) for the Connecticut Department of Transportation's Crash Unit—implement TMAs that have ZeroRPM® systems to prevent idling, reduce fuel consumption and greenhouse gas emissions”</i></p>	<p><i>EPA Climate Pollution Reduction Grant Planning Grant First Deliverable: A Priority Climate Action Plan, pgs. 24 and 73-77</i></p> <p>PCAP measure and implementation grant measure were the same.</p>
<p>Expansion of Health and Safety Barriers Program and Energy Efficiency Programs</p> <p><u>PCAP Measures:</u> 1) <i>“Expand funding for the Residential Energy Preparation Services program to address health and safety barriers to weatherization”</i> and 2) <i>“Expand energy efficiency programs under the Conservation and Load Management Program”</i></p>	<p><i>EPA Climate Pollution Reduction Grant Planning Grant First Deliverable: A Priority Climate Action Plan, pgs. 24, 25, 93-100, 101-107</i></p> <p>PCAP had separate measures for health and safety and expanding energy efficiency. The implementation grant paired them.</p>
<p>Food Waste Diversion</p> <p><u>PCAP Measure:</u> <i>“Provide funding for enforcement and to municipalities to implement food scraps diversion programs, including grants to construct the infrastructure necessary to divert food scraps from landfills and incineration to food scraps/organics separation and collection programs”</i></p>	<p><i>EPA Climate Pollution Reduction Grant Planning Grant First Deliverable: A Priority Climate Action Plan, pgs. 24, and 135-140</i></p> <p>The PCAP measure and the implementation grant measure were the same.</p>