

Industrial GHG Reduction: Survey + Priorities

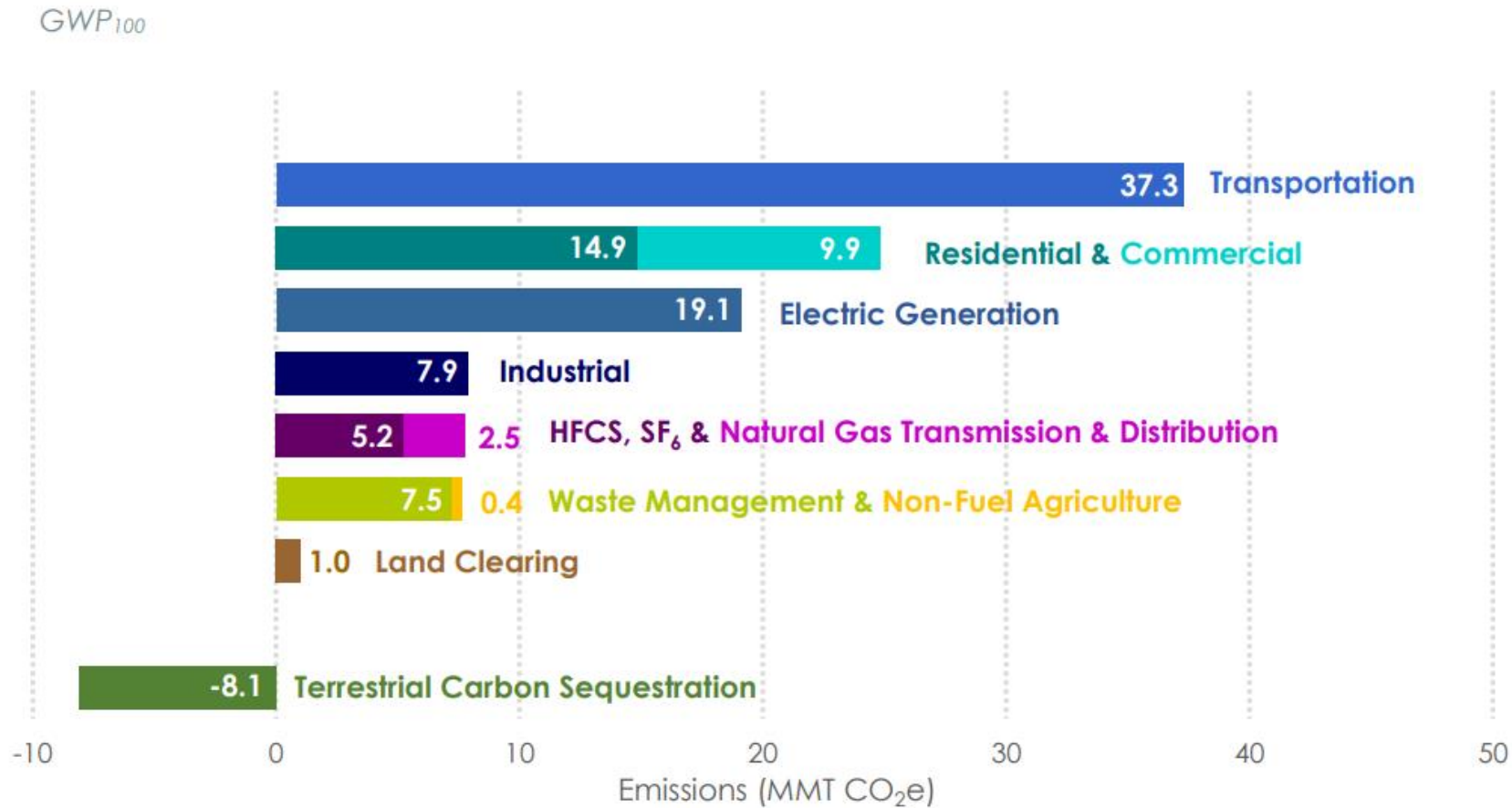


Bureau of Climate Change and Clean Energy

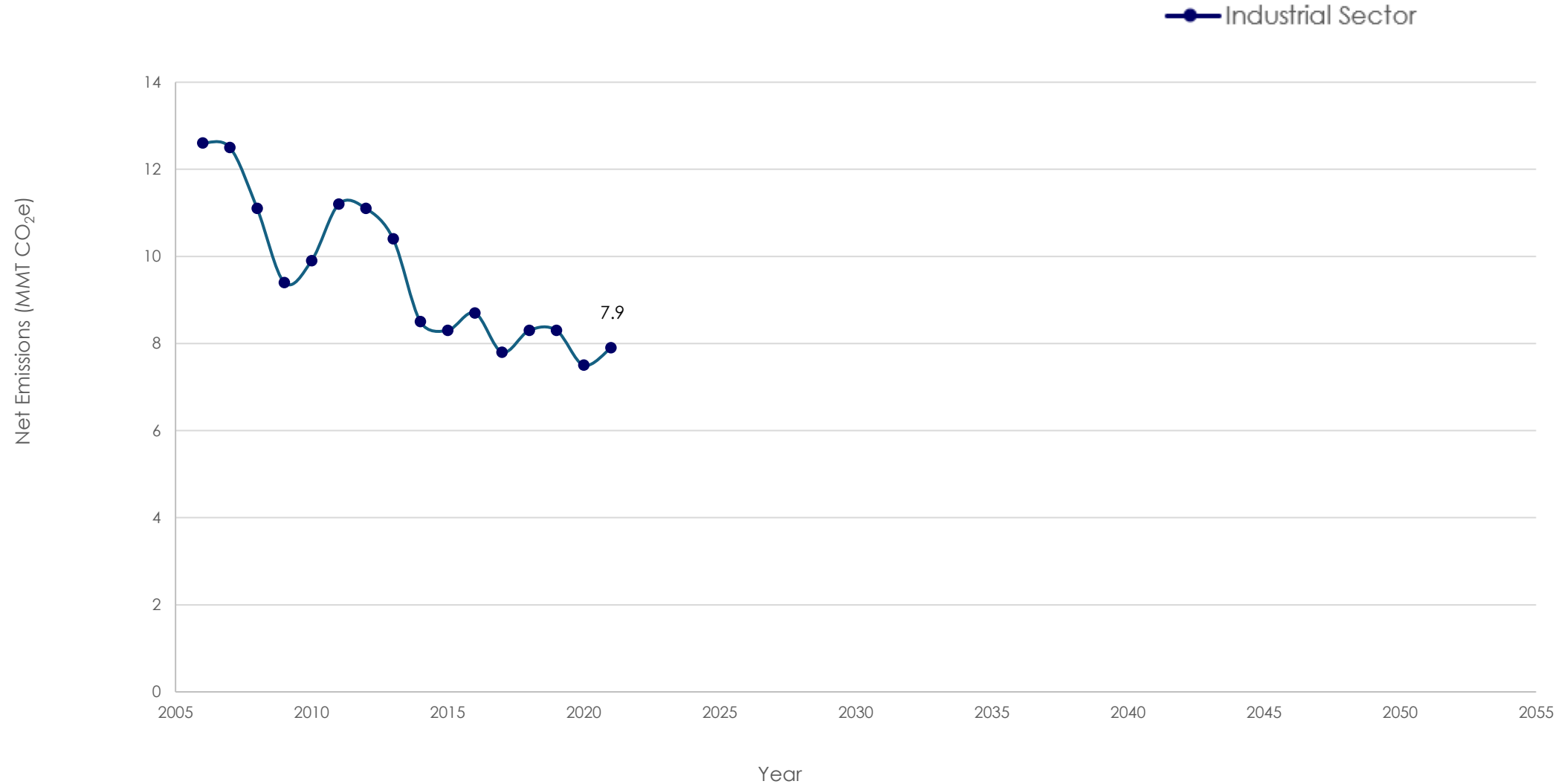
DEP's Industrial Stakeholder Group (ISG) Meeting | Oct. 4, 2024

NJ GHG Emissions

Figure ES-1. 2021 Emissions by Sector (GWP₁₀₀ and GWP₂₀)



NJ Industrial GHG Emissions



Climate Pollution Reduction & CCAP

The **Climate Pollution Reduction Grant (CPRG) program** is a nationwide EPA grant, funded via the Inflation Reduction Act. Provided grants to states to develop and implement climate action plans for reducing greenhouse gas emissions and other harmful air pollution.



**Priority
Climate Action Plan (PCAP)**
Due March 2024



**Comprehensive
Climate Action Plan (CCAP)**
Due December 2025



Status Update Report
Due 2027



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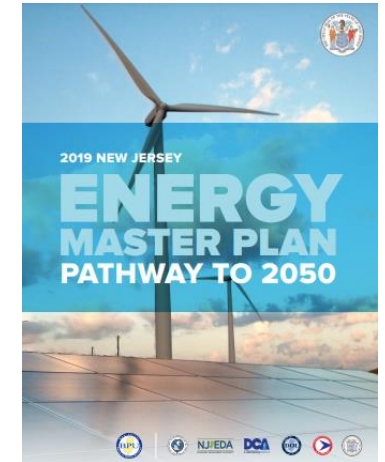
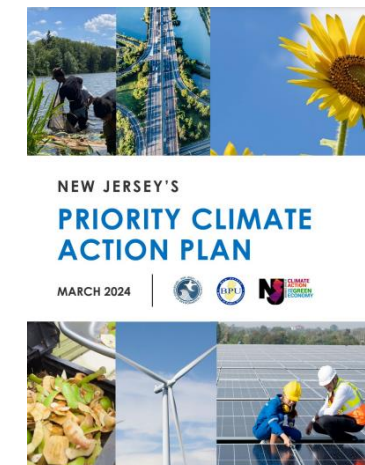
- Cover all significant GHG sources/sinks and sectors in NJ.
- Establish near-term and long-term GHG emission reduction goals.
- Provide strategies and identify measures to achieve those goals.



New Jersey's Approach to the CCAP

New Jersey will expand on, enhance, and implement existing climate plans:

- [Energy Master Plan](#) (*Being updated for 2024*)
- [Global Warming Response Act 80x50 Report](#)
- [NJ RGGI Strategic Funding Plan](#)
- [Priority Climate Action Plan \(PCAP\)](#)



Potential Pathways for Reduction

EMISSION ACTIVITIES

- On-site Generation
- Process Energy
- Non-Process Energy
- Off-Road Equipment
- Non-energy process emissions

EMISSION REDUCTION PATHWAYS

- CHP, Electric Boilers, On-site Renewables (or off-site investment)
- Industrial Heat Pumps; efficiency improvements
- Energy efficiency & building HVAC upgrades
- Zero-Emission/Alternative-fueled Off-Road Equipment
- Alternatives, leak-detection & repair

NJ Industrial GHG Reduction Survey

Purpose:

- **Assess existing conditions** of NJ Industrial sector facilities and operations with regards to energy use and efficiency
- **Identify barriers and opportunities** for state incentives or policies that support greater adoption of renewables and energy efficiency strategies and technologies
- **Inform the Industrial chapter** of the New Jersey Comprehensive Climate Action Plan

NJ Industrial GHG Reduction Survey

Who should complete:

- New Jersey-based facilities with:
 - an air operating permit; or
 - membership in the NJDEP *Industrial Stakeholder Group* (ISG)
- Representatives who have knowledge of the facility's energy systems, usage, and operations

NJ Industrial GHG Reduction Survey

Structure:

- About 20 questions, divided into **6** topics:
 1. Facility Energy Tracking and Planning
 2. Facility Energy Efficiency - Strategies
 3. Facility Energy Efficiency - Technologies
 4. Facility Decarbonization and Electrification
 5. Incentives and Technical Assistance; and
 6. Facility Information (***optional*** set of questions)

* Required

Examples questions in the survey

Energy Tracking and Planning

1. Does your company or facility have a clean energy, energy reduction, sustainability, or other climate goals or plans? *

☒

Yes

☐

No

☐

Other

2. Do you currently track the energy use of your facility / facilities? *

☐

Yes

☐

No, but we have in the past

☐

No, but we would like to / are planning to start

☐

No

Next

Examples questions in the survey

13. To what extent do you believe available NJ state incentives help make installing energy efficiency measures at your facility/facilities possible? *

1

2

3

4

5

incentives are **least**
helpful

incentives are **most**
helpful

14. What incentives or technical assistance program(s) have you seen or experienced in other states that you believe NJ should consider adopting to support industrial facility energy efficiency and carbon emission reductions?

Enter your answer

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NJ Industrial GHG Reduction Survey

Follow this link:

<https://forms.office.com/g/fDVTtb3LLR>

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THANK YOU

If you have questions about the CCAP or this survey, please email
us at:

NJClimate@dep.nj.gov