

# Climate Crisis Response Policy

November 10, 2021



**DRAFT PRESENTATION**



# CCR Policy - version 24 alternate

Align level of detail with Climate Crisis Policy Deliverables

## Level of Detail

High

Medium

Low

## Deliverable

Policy

Administrative Directive

Implementation Plan

## Responsibility

Board of Education

Superintendent

Department Leads



# Climate Crisis Deliberables

## Policy draft

### PPS Climate Crisis Response Policy 3.30.080-P V.24 (Alternate)

In response to the human-caused climate crisis currently underway and the direct harm being done to our District, society, and planet, Portland Public Schools (PPS) is committing to immediately mobilize resources for climate action. To this end, the District commits to reducing greenhouse gas (GHG) emissions and minimizing other negative environmental impacts; improving our school communities' health and wellness; and building a culture of learning, responsibility, and sustainability centered on our values of racial equity and climate justice.

Climate change disproportionately impacts the vulnerable members of our community. Implementation of this policy will prioritize serving people with disabilities, communities of color, and other vulnerable populations.

The District aims to educate and empower students as leaders in the just transition to a sustainable city and restorative society. Our goal is for all students to be environmentally literate and to understand the connections between their daily actions and the natural world by using community-based learning and civic action as a context for meeting academic goals described in the Graduate Portrait.

The District shall prioritize investments that achieve the greatest emissions reduction, while integrating climate into our curriculum and developing a culture of environmental stewardship and climate justice throughout our organization. Other efforts which have a lower impact and require major changes in infrastructure can be implemented over the longer term.

Our two overarching objectives are:

**Emissions Reduction:** PPS will reduce its greenhouse gas emissions by 50 percent by 2030, using the 2018-2019 school-year baseline, and reach net zero emissions by 2040.

For the sake of emissions tracking, PPS will use a Scope 1 and Scope 2 analysis, which includes all emissions associated with the following: district-operated buses and fleet vehicles, and building energy use from both natural gas and electricity. In addition to Scope 1 and Scope 2, PPS will also track emissions associated with waste disposal (food waste, recycling, and landfill-bound garbage), which is defined as part of a Scope 3 analysis.

**Engagement, Resilience, and Wellness:** The District will take steps to prepare schools for the effects of climate change; PPS will ensure students and staff learn about and engage in climate solutions, climate resiliency, and climate justice practices.

We will align our work with the U.S. Department of Education's Green Ribbon School Pillars. In accordance with those pillars, PPS is adopting the following goals:

#### Pillar 1: Reduce Environmental Impact and Costs

**Goal 1.1:** PPS will design, construct, and operate new low-carbon, high performance schools and renovations that are energy efficient, resilient, and adaptable.

**Goal 1.2:** PPS will prohibit the installation of fossil fuel infrastructure (gas-fired equipment) in all new buildings.

**Goal 1.3:** PPS will phase out fossil fuel infrastructure (gas-fired equipment) in all existing buildings by 2050.

**Goal 1.4:** PPS will maximize reductions in GHG emissions from district operations, maintenance, and facilities management.

**Goal 1.5:** PPS will maximize the carbon sequestration potential and other environmental benefits of grounds and increase the ability of grounds to adapt to climate extremes.

**Goal 1.6:** PPS will minimize greenhouse gas emissions from student and staff transportation, including transitioning to electric or low-emission vehicles.

## Admin Directive sample

Administrative Directive 0.00.000-AD Page 1 of

### PPS Climate Crisis Response

#### I. Overview

In response to the human-caused climate crisis currently underway and the direct harm being done to our District, society, and planet, Portland Public Schools (PPS) is committing to immediately mobilize resources for climate action. To this end, the District commits to reducing greenhouse gas (GHG) emissions and minimizing other negative environmental impacts; improving our school communities' health and wellness; and building a culture of learning, responsibility, and sustainability centered on our values of racial equity and climate justice.

Climate change disproportionately impacts the vulnerable members of our community. Implementation of this policy will prioritize serving people with disabilities, communities of color, and other vulnerable populations.

This directive furthers the Board of Education's Climate Crisis Response Policy 0.00.000 which states: "PPS will reduce its greenhouse gas emissions by 50 percent by 2030, using the 2018-2019 school-year baseline, and reach net zero emissions by 2040." and "The District will take steps to prepare schools for the effects of climate change. PPS will ensure students and staff learn about and engage in climate solutions, climate resiliency, and climate justice practices."

This directive also furthers the Board of Education's Resolution 5272, which directs "the Superintendent in collaboration with PPS students, teachers, and community members to develop an implementation plan so that there [are] curriculum and educational opportunities that address climate change and climate justice in all Portland Public Schools."

#### II. Carbon Baseline Data

A. At the direction of the Superintendent, the Operations Department will establish a timeline and plan for gathering and updating carbon baseline data. The data gathered will be used to determine XXX. The baseline gathered will include a cost analysis and rate of return on potential investments and practice changes in Portland Public Schools. The data gathering process will include an analysis of GHG emissions data. The carbon baseline data and cost analysis will help PPS departments prioritize actions when creating implementation plans.

#### III. Implementation Plans

A. At the direction of the Superintendent, the following departments will use the data to create implementation plans to address the Board Policy 00000 and Board Resolution 5272. The implementation planning will address specific strategies such as removing fossil fuel-fired equipment from schools and integrating climate change and climate justice principles into everyday student learning. The implementation plans will include timelines, reporting metrics, priority practices and will use the baseline data to examine to create their implementation plans and evaluate the following strategies for feasibility and effectiveness.

#### B. Facilities and Asset Management

- Phase out fossil fuel infrastructure (gas-fired equipment) in all existing buildings by 2050.
- Increase energy efficiency and minimize the indirect use of fossil fuels.
- Incorporate climate justice priorities and climate resiliency design to inform long-term facility planning. Plans should prioritize serving people with disabilities, communities of color, and vulnerable populations.
- Establish standardized systems for waste prevention practices, including reuse, recycling, and food waste reduction at all campuses.
- Increase shade trees, green spaces, and de-pave projects, with highest priority in low-canopy neighborhoods.

## Implementation Plan sample

2018/19 EUI: 55.5	EUI	GOAL:	The District will reduce total building energy use (EUI) to 30 kBtu/sf/year by 2040.
			<b>STRATEGY</b>
		1	New Construction (20 EUI K-5; 25 EUI K-8/MS; 30 EUI HS)
		2	Modernizations (30 EUI K-5/K-8/MS; 35 EUI HS)
		3	Planned retrofits (energy projects, school conversions, etc)
		4	End of life equipment replacement
		5	Retro-commissioning & operational improvements
		6	BAS manager/contractor
2018/19 Solar: 1.3 mW	SOLAR	GOAL:	The District will increase its amount of on-site solar to 5 MegaWatts by 2040.
			<b>STRATEGY</b>
		1	Establish program-level solar plan for GET (1.5%) requirement (not site-specific)
		2	Establish a minimum Watt per panel standard
		3	Enroll modernizations/new construction projects in ETO's Whole Buildings program
		4	Establish a uniform and robust monitoring system standard for all solar projects
2018/19 Water: 83.2 million gallons	Water	GOAL:	The District will reduce water consumption to an annual total of 50 million gallons by 2020.
			<b>STRATEGY</b>
		1	Execute plumbing flexible services contract to address water leaks in a timely manner
		2	Establish specs for low-flow fixtures in design standards
		3	Establish operational procedures for irrigation
		4	End of life equipment replacement (low-flow fixtures)
2018/19 Garbage pick-ups: 15,745 (61% of total hauls)	Waste	GOAL:	The District will reduce the number of garbage pick-ups to 8,000 per year by 2040.
			<b>STRATEGY</b>
		1	Provide educational materials and training to students and staff on recycling and waste reduction
		2	Implement food waste collection in kitchens and cafeterias district-wide
		3	Purchase goods and materials that are reusable and recyclable

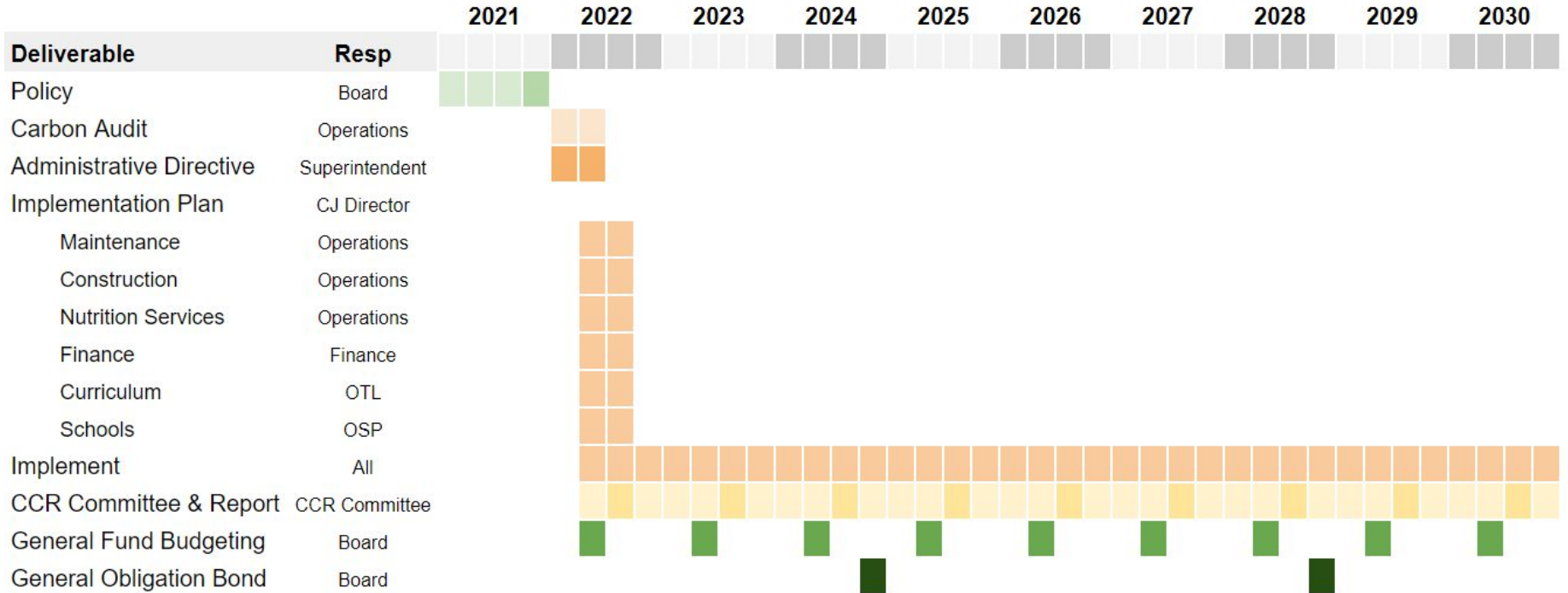
# Climate Crisis Deliverables

- **Policy**
  - Provides district-wide direction: reduce GHG
  - Provides district-wide, high-level goals: carbon neutrality by 2050
- **Carbon Audit; Scope 1/2**
  - Provides baseline data to establish medium-, low-level goals
- **Administrative Directive**
  - Provides structure
  - Clarifies roles and responsibilities
  - Establishes medium-level goals
- **Implementation Plan**
  - Establishes low-level (detailed) goals
  - Identifies specific tasks, actions and milestones
  - Aligns funding with efforts
- **Progress Reporting**
  - Measures progress against CCRP



# Climate Crisis Deliverables

sample schedule





# Responsibility & Oversight

## Board of Education

- Development and oversight of CCR Policy.
- Budget approval and future bond development
- Superintendent/Staff oversight and compliance with CCR Policy goals and directives.

## CCR Committee

- The Committee will convene no less than quarterly and will report to the Board on an annual basis the progress the District is making under the policy directives

## Superintendent/Staff

- Development and implementation of CCR Administrative Directive
- Annual progress reporting to Board of Education