



# CLIMATE-FRIENDLY PUBLIC SCHOOLS

Strategic Program 16

April 25, 2024



THE BUREAU OF  
**PLANNING &  
SUSTAINABILITY**



# Agenda

## Climate Investment Plan

- CIP development process and adoption.
- Overview of Climate Investment Plan (CIP) funding areas.
- Implementing CIP – Intergovernmental agreements (IGA), Interagency agreements (IAA), request for proposals (RFP), and grants.

## Climate-Friendly Public Schools – SP 16

- The need and opportunity.
- Program description – structure, decision making, eligible funding areas.
- Examples of projects – with measures and costs.
- Outcomes and goals.

## Invited testimony

Image by Kollsd via Pixabay





# Key takeaways

- PCEF is diligently executing the Council-approved Climate Investment Plan, continuously adapting to stakeholder feedback.
- PCEF is a trailblazer for innovation in climate justice.
- PCEF continues to measure and track the potential and outcomes of investments.
- Climate-Friendly Public Schools draws on the collaborative energy between the City and the public school system to provide opportunities for our youth and communities.



Image by Adrian via Pixabay



# Climate Investment Plan



Image by Victor Salazar via Pixabay



# Getting there together

**TOPIC ROUNDTABLES**

**PANEL REVIEW**

**TECHNICAL EXPERTS** (sector-specific partners, bureau partners)

**COMMUNITY INPUT** (virtual events, online surveys, in-person workshops)

**PCEF COMMITTEE BRIEFINGS**

DEC / JAN 2023

JAN/FEB 2023

MARCH 2023

MAY 2023

SEPT 2023



Kick-off: Project  
Overview and  
Accessibility



Community  
Vision and  
Priorities



Preliminary draft



Full draft for  
public comment



Climate  
Investment Plan  
at City Council



# Climate Investments

\$50 billion

- The **minimum** amount a PCEF Market Study estimates it would take to address residential buildings, small commercial buildings, tree canopy, and EV charging in Portland.

\$18 billion

- Of the \$50 billion minimum, \$18 billion is the amount it would take to provide climate resilience benefits to PCEF priority populations.
- With current PCEF funding, it would take over 120 years to reach this goal.

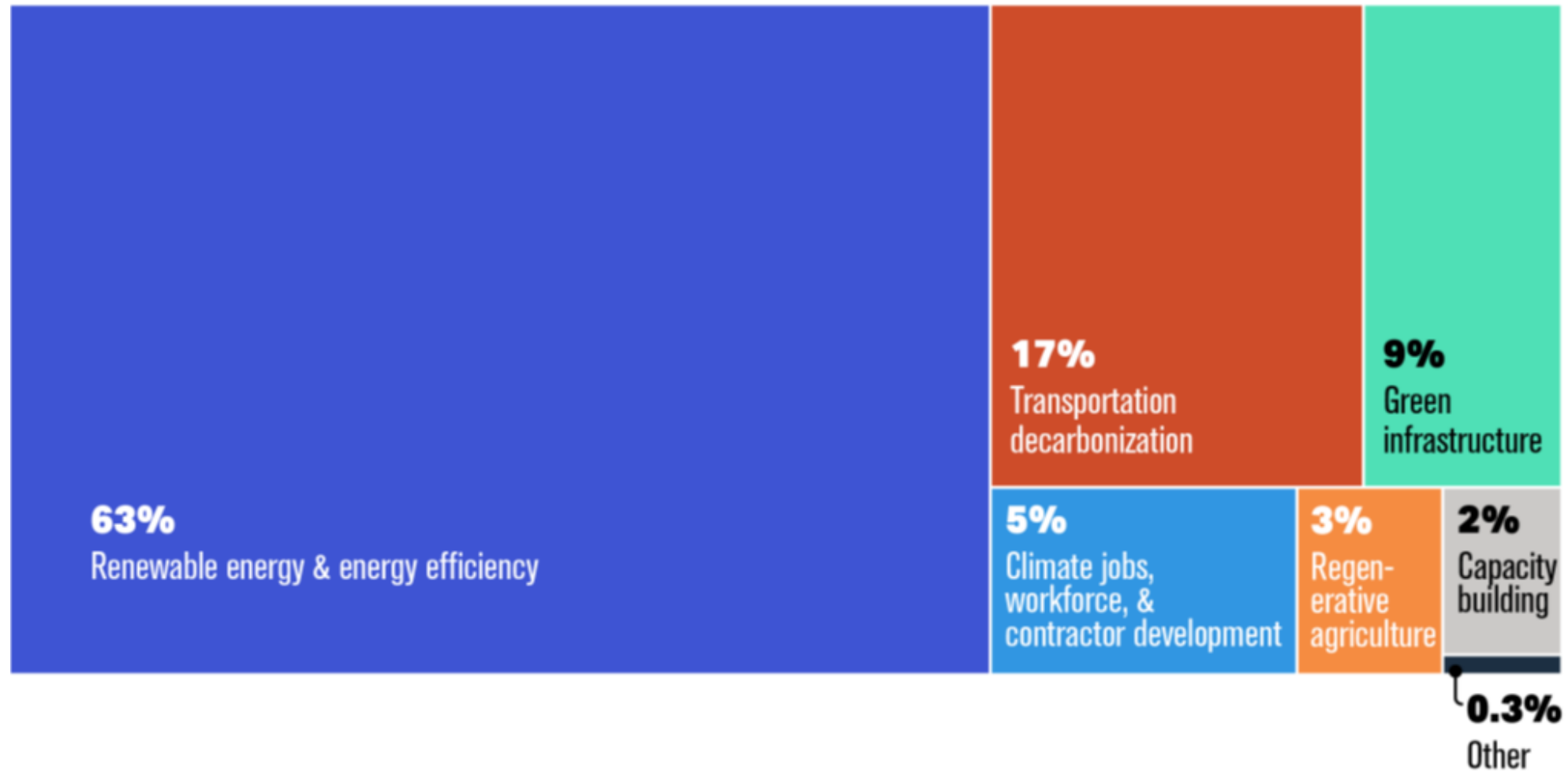
\$750 million

- What PCEF will invest in climate justice projects in Portland over five years.
- That is equal to \$150 million per year.



# Funding Categories and Allocations

2023-2028: PCEF will distribute \$750 million across 7 funding categories.



# Implementing CIP: Funding pathways

## Grants

- Community responsive grants – recommendations to council later this summer.

## Requests for proposals (RFPs)

- This spring/summer: SP 3 Single family, SP 10 Capacity building, and SP 6 E-bike program.

## IGAs and IAAs

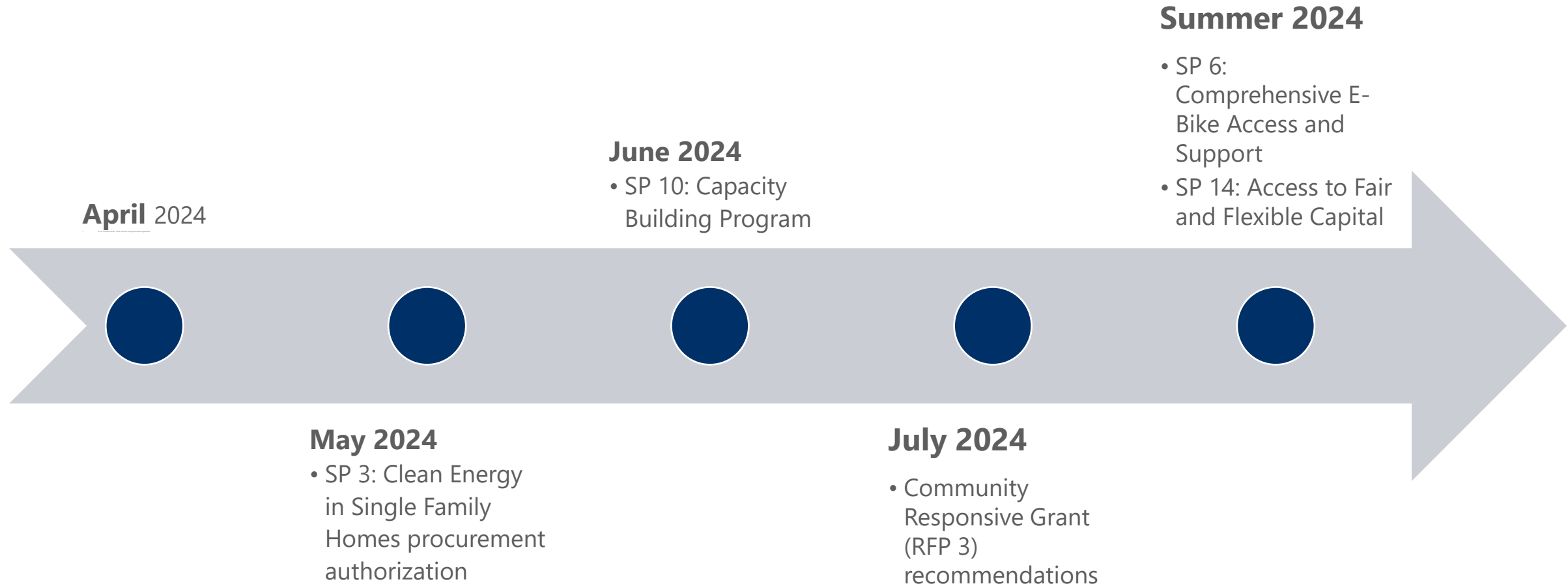
- IAA examples: SP 8 Equitable tree canopy, SP 1 Regulated multifamily affordable housing, Portland Bureau of Transportation.
- IGA – SP 16 Climate friendly public schools.





# Timeline of Implementation

Sample of near-term program rollout





## Climate-Friendly Public Schools – SP 16



Image by Thomas G. via Pixabay

# Program description

Allocate funding to each school district through an award for physical improvements and an annual allocation for student-led initiatives.

School district	Allocation – physical improvements	Allocation – student-led initiatives	Total allocation
<b>Centennial</b>	\$4,617,500	\$75,000	\$4,692,500
<b>David Douglas</b>	\$11,736,146	\$300,000	\$12,036,146
<b>Multnomah ESD</b>	\$3,270,729	\$150,000	\$3,420,729
<b>Parkrose</b>	\$5,579,479	\$150,000	\$5,729,479
<b>Portland Public Schools</b>	\$16,930,833	\$3,000,000	\$19,930,833
<b>Reynolds</b>	\$4,040,313	\$150,000	\$4,190,313
<b>Riverdale</b>	\$0	\$75,000	\$75,000
	\$46,175,000	\$3,825,000	\$50,000,000



# Need/opportunity

Seven school districts. 100+ K-12 public schools. 70,000+ students.

## Need

- School buildings comprise millions of square feet of conditioned space in older, inefficient buildings with deferred maintenance.
- School buses in Portland are contracted or owned by the district and run primarily on diesel or propane with only a handful of EVs.
- School yards are spaces used by both youth during the school day, and the surrounding community throughout the year.

## Opportunity

- Layer PCEF funding onto major improvements and maintenance funding to create higher-efficiency, lower-carbon schools and resilient buildings.
- Electrify school buses to reduce carbon emissions, improve air quality, and reduce operating and maintenance costs.
- Add green infrastructure to increase urban canopy, shade, and water management





# Project examples

## Energy efficiency

Many school buildings have outdated and inefficient heating, ventilation, and air conditioning (HVAC) systems.



Image by F. Muhammad via Pixabay



# Project examples

## Cost

2020 PPS School Improvement Bond included \$75 million to replace or repair highest priority mechanical systems – enough to address needs in 15 schools.



Image by Portland Public Schools





# Project examples

## Benefit

High-efficiency HVAC reduces GHGs and building operating cost and improves comfort and resiliency, including often adding cooling and opportunities for **improved air filtration.**

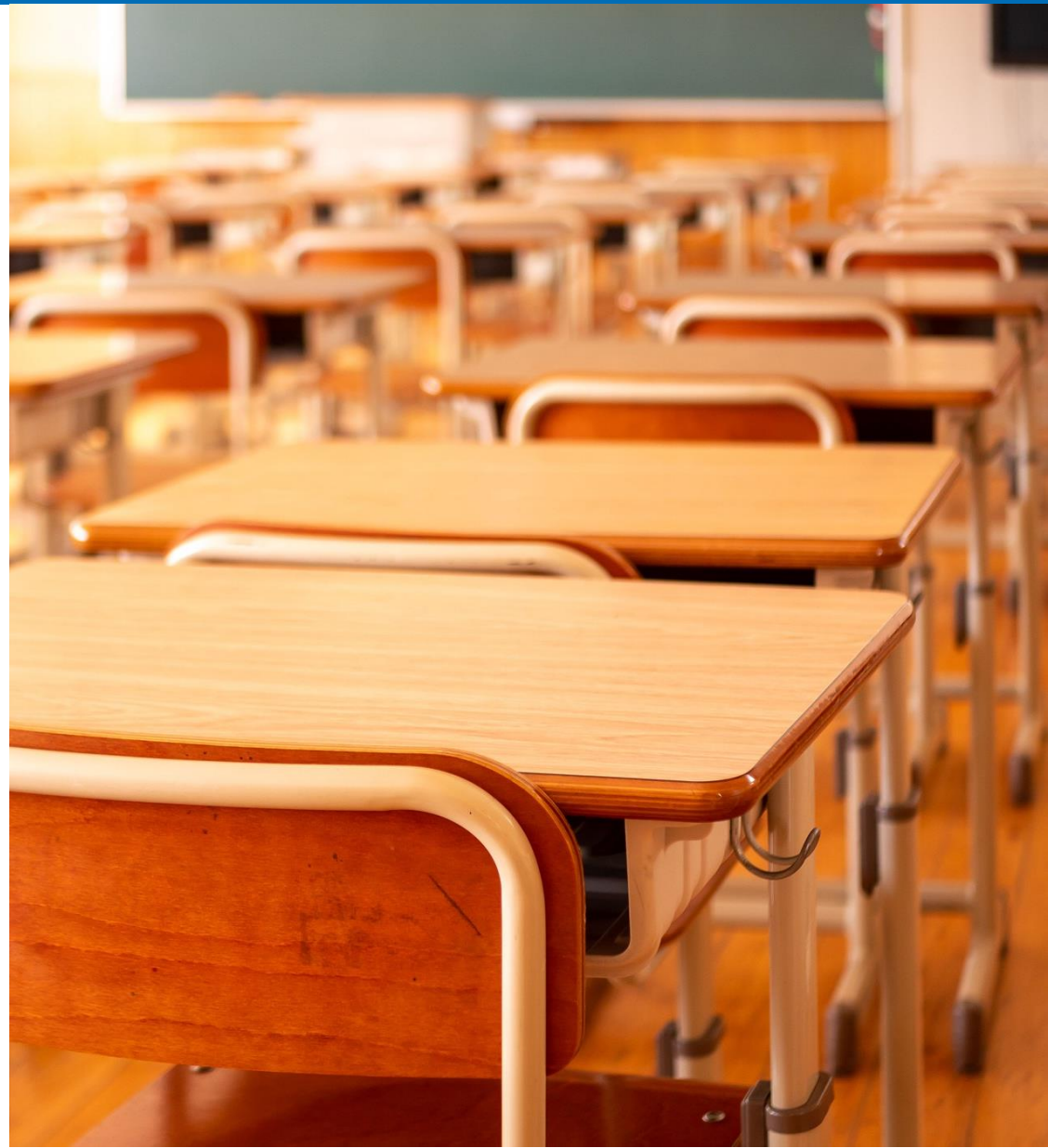


Image by Kohji Asakawa via Pixabay



# Project examples

## Other energy projects

These could include lighting retrofits, building envelope measures, solar installation, and converting to high efficiency electric kitchen appliances.



Image by RAEng Publications via Pixabay





# Project examples

## Non-energy projects

These could include electrification of school buses and greening schoolyards.



Image by Spike Summers via Pixabay



# Outcomes and goals

## Outcomes

- Schools serving PCEF priority populations reduce GHG emissions and are more climate resilient.
- Middle and high school students are engaged in leading climate action.

## Goal measures

- 16,000 – 24,000 MT lifetime CO2e emissions reduced.
- Student-led climate initiatives are active in all middle and high schools in Portland.



# Questions/Discussion





# Invited Testimony

- Superintendent Frank Caropelo, Reynolds School District
- Board Member Danny Cage, Multnomah Education Service District
- Vice Chair Herman Greene, Board of Education, Portland Public Schools
- Chief Operating Officer Dan Jung, Portland Public Schools
- Superintendent Michael Lopes Serrao, Parkrose School District







# Sam Baraso

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