



CLIMATE-FRIENDLY PUBLIC SCHOOLS

Strategic Program 16

April 25, 2024



THE BUREAU OF
**PLANNING &
SUSTAINABILITY**



Image by Kollsd via Pixabay

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



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.

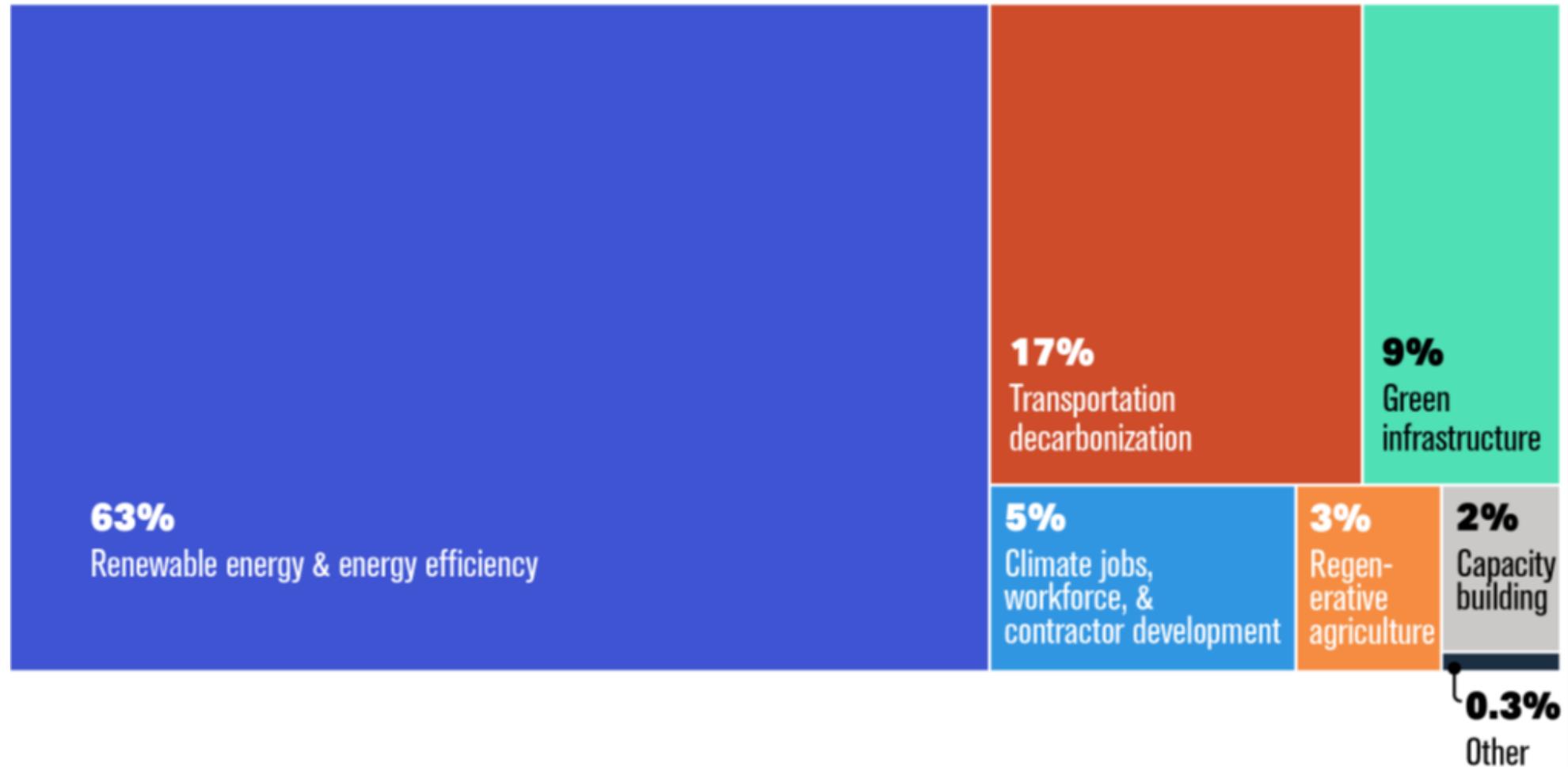
\$750 million

- 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.

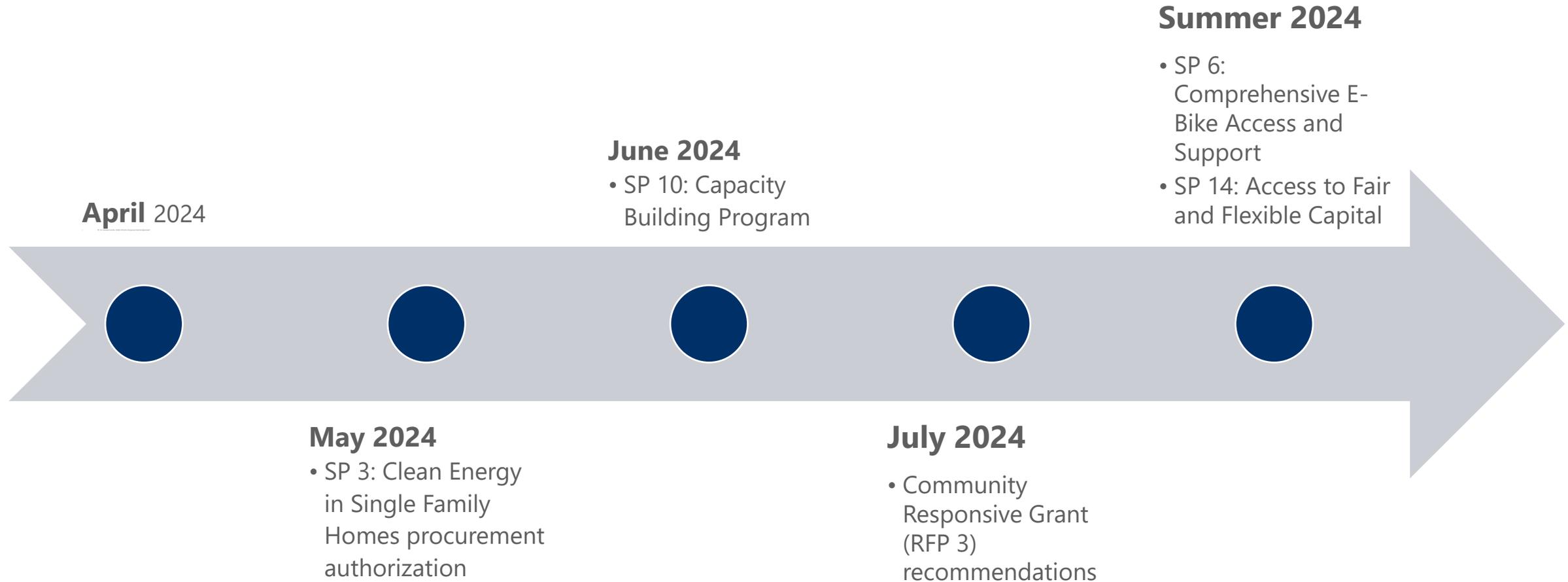
IGAs and IAAs

- 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
Centennial	\$4,617,500	\$75,000	\$4,692,500
David Douglas	\$11,736,146	\$300,000	\$12,036,146
Multnomah ESD	\$3,270,729	\$150,000	\$3,420,729
Parkrose	\$5,579,479	\$150,000	\$5,729,479
Portland Public Schools	\$16,930,833	\$3,000,000	\$19,930,833
Reynolds	\$4,040,313	\$150,000	\$4,190,313
Riverdale	\$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.**

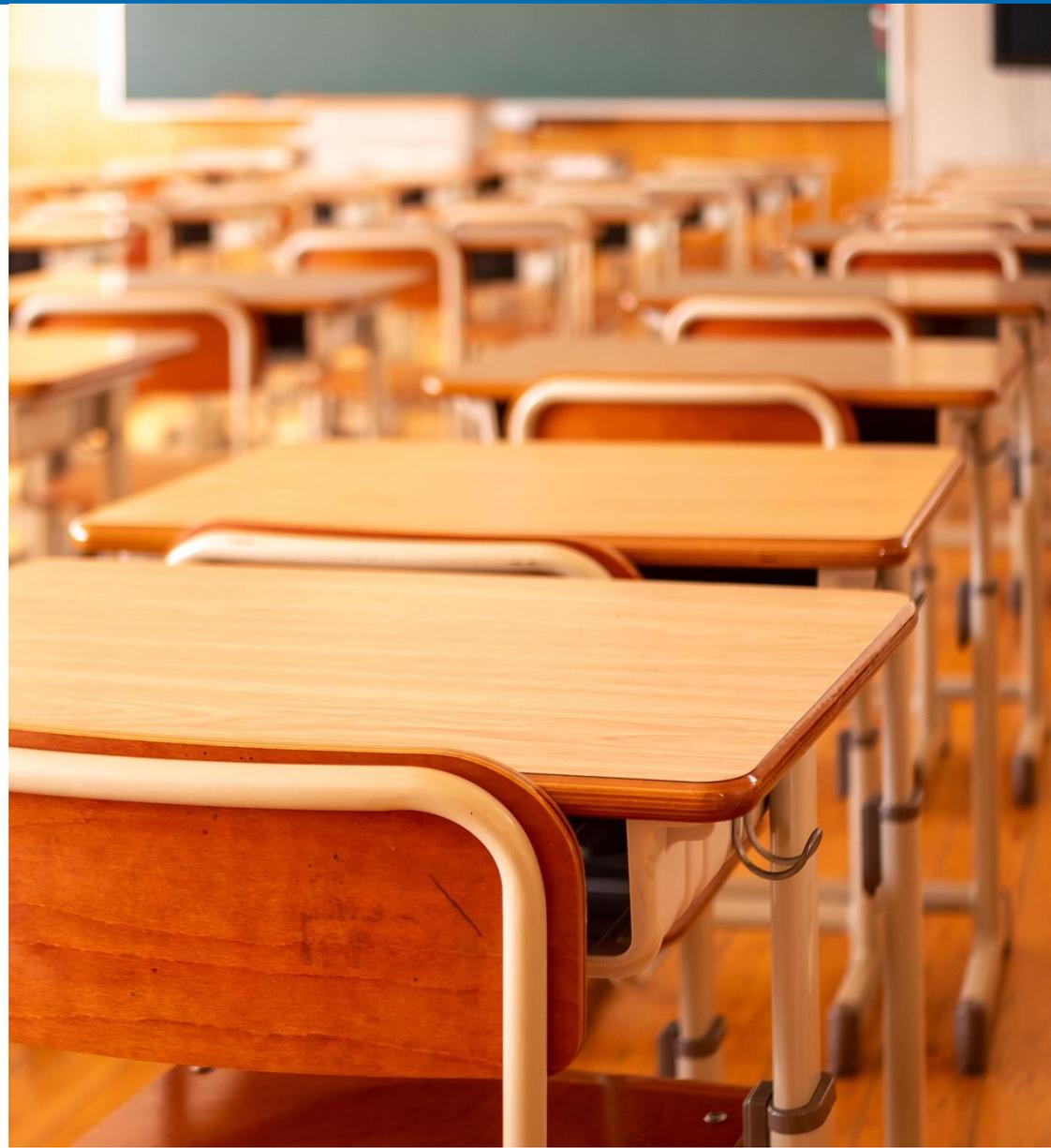


Image by Kohji Asakawa via Pixabay



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





THE BUREAU OF **PLANNING** & **SUSTAINABILITY**

Sam Baraso

Program Manager, Portland Clean Energy Community Benefits Fund

VISIT US ONLINE portland.gov/bps

The City of Portland is committed to providing meaningful access. To request translation, interpretation, modifications, accommodations, or other auxiliary aids or services, contact 311, Relay: 711.

Traducción e Interpretación | Biên Dịch và Thông Dịch | अनुवादन तथा व्याख्या | 口笔译服务 |
Устный и письменный перевод | Turjumaad iyo Fasiraad | Письмовий і усний переклад |
Traducere și interpretariat | Chiaku me Awewen Kapas | 翻訳または通訳 | ການແປພາສາ ຫຼື ການ
ອະທິບາຍ | الترجمة التحريرية أو الشفهية | [Portland.gov/bps/accommodation](https://portland.gov/bps/accommodation)