



May 17, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
1221 SW Yamhill St, Suite 100  
Portland, OR

Dear PCEF Committee:

The school districts with PCEF-eligible school buildings in the City of Portland, collectively submit this Letter of Interest for the Community Coalition and Innovation Funding grant, under the coordination of Multnomah Education Service District.

All across our City, we have aging and outdated school buildings, some roughly 100 years old. With limited state funding for school facilities, districts are primarily reliant upon the passage of bonds to support upgrades. With the burden of school construction costs falling on local voters, many of whom are lower income, school districts have often prioritized the most critical of repairs, leaving other upgrades as “nice to haves” that are out of reach financially.

Given the increasing impacts of climate change, from hotter temperatures to wildfire smoke, the need to focus on thermal comfort, air quality, and climate resilience cannot be overlooked. However, district funding for facilities remains limited, especially as other operational costs continue to rise. This PCEF grant would be an incredibly meaningful investment for school districts within Portland, allowing us to focus on these projects with the urgency they warrant, but that we would not otherwise be able to afford.

We want to acknowledge that our districts have already been allocated PCEF dollars, for which we are very grateful. However, as you can see from these budget tables, the scope of needed work across our schools far exceeds the initial PCEF grant. Unfortunately, even school districts that have passed bonds in recent years have had to scale their projects, often focusing on only the most pressing needs, in order to put forward a package that voters would approve. This leaves us looking to other partners to help us make the necessary investments to meet shared goals around climate resiliency.

By coming together in this application, we intend to highlight our collective needs and also to benefit from one another's experience and expertise. We are all working together to serve students and families in Portland, and we hope the Committee supports this work by inviting an official application from us. Please see below for our more detailed plans.

Order of LOI Components:

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4. Estimated Funding Needed
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7. Description of How the Project Reduces/Sequesters GHG
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9. Detailed Budget Tables at Different Funding Levels
10. Letters of Support

**List of Application Partners:**

**Primary applicant and co-applicant(s):**

- Primary applicant: Multnomah Education Service District
- Co-applicants: Centennial School District, Parkrose School District, Portland Public Schools, Reynolds School District

**List of co-applicants with contact information:**

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Paul Southerton

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David Douglas School District

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Primary Contact:

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Parkrose School District

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### **Description of Approach / Partnership Structure**

MESD will act as the primary applicant and fiscal agent for the grant for ease of accounting and oversight by the City. However, four other school districts will be supported by the grant and will handle their own project design and implementation, although they may choose to partner on certain elements/contracts at their discretion. Given the existing relationship of MESD providing services to the collective school districts, there are already mechanisms in place to accommodate necessary invoicing, transfer of funds, etc. If funded, scope of individual district work will be established in an MOU between the districts and MESD. MESD and co-applicants will determine respective shares of any final allocation using the same proportional rate of Climate-Friendly Schools funding as districts received for physical allocations in the PCEF Climate Investment Plan.

MESD will ensure consolidated reporting necessary to meet the City's needs. MESD and PPS will work together to support quarterly meetings to check on progress, share resources, and support coordination where appropriate between districts. The applicants will work together, as needed, to determine the most ambitious and feasible projects to utilize PCEF funding to reduce greenhouse gas emissions, increase green infrastructure, build community climate resilience, and respond to community needs.

The letters included with this Letter of Intent demonstrate broad community support for the proposed investments in schools, and it should be noted that each district will have their own localized approach to community engagement and partnership that best fits their context.

### **Description of Proposed Project(s):**

The coalition of Portland school districts are planning a suite of projects that fall into the categories of Energy Efficiency, Green Infrastructure, and Workforce and Contractor Development.

Our climate projects will focus on a number of Title 1 schools that qualify for PCEF grant allocations and have facilities improvement opportunities. Many are projects that would not otherwise be undertaken due to lack of available funding.

The extent of each school's climate projects will vary slightly, but generally will include some, if not all, of the following:

- Upgrading and electrifying HVAC systems and water heater systems that will lower emissions and improve indoor air quality for teachers and students;
- Installing building envelope and energy efficiency improvements such as window replacements, LED lighting, weatherization, and improved insulation;
- Working with school communities to design and install green schoolyard improvements that will address inequitable heat island impacts and lower the need for cooling energy in

school buildings while creating inclusive green spaces for students and the community to learn, play, and connect to nature.

The overarching approach is toward reducing carbon emissions in a way that also creates positive impacts on the thermal comfort and air quality of our schools and learning opportunities of our students. Learning in a comfortable environment is crucial to student and teacher wellbeing and educational attainment. Green schoolyards are also a landmark issue for our communities: they sequester carbon and lower energy demand for schools and surrounding buildings, connect students and the broader community to nature and hands-on learning, and are key spaces for social-emotional learning and community resilience to climate impacts.

### **District-Specific Overview of Projects**

#### **Centennial School District**

The expanded PCEF Grant will support replacing aging and inefficient, Natural Gas Heating, ventilation, and air conditioning units (HVAC) Oliver Middle School, Parklane Elementary and potentially Powell Butte Elementary and Patrick Lynch Elementary (if we receive sufficient funding)

The Centennial School District is a dynamic, ever-changing community with more than 60 languages spoken across our schools. We have students who have moved into the district from around the globe and across Oregon. We have a highly mobile student population, with approximately 34% of our students moving in or out of the district each year. We have over 200 students who identify as experiencing homelessness and over 14% who identify as experiencing a disability. We are a global majority district, with 64% of our students being students of color.

Centennial climate goals are to reduce environmental impacts, and ensure Centennial actions contribute to improved health and wellness of Centennial students, staff, and community.

Currently the majority of our HVAC Systems are original to our buildings (averaging 50 years old). Centennial School District's last comprehensive long-range facilities plan was completed in 2019 to support the proposed 2020 Capital bond. It originally included full replacements of our oldest mechanical systems. Unfortunately, due to projected tax rates of the size of the Bond needed to achieve the long range facilities identified deficiencies, all projects were scaled back for a reduced bond amount, which was ultimately approved by voters. Part of that scaling was to the mechanical systems. The successful May 2020 Bond included replacement of the older pneumatic controls with direct digital controls for improved controllability and diagnostics at every school site. Additionally, all air handling and steam equipment was reviewed and repaired in place where possible with a handful of rooftop units replaced where they could not be repaired. However, the majority of the aging systems remain.

Additional funding from PCEF would allow us to revive our plans to replace aging and inefficient HVAC units at our Portland Schools, support our learning environments and the effects of climate change, and improve air quality at our schools.

Centennial is ready to move quickly, having put forward here many projects that were carved out of the our prior initial bond scope of work in order to keep the bond at a

manageable level for voters. Having just completed nearly \$100M in capital projects (2020 GO Bond, Seismic Improvement grants, ESSER targeted ventilation, community turf field, etc.) our team is knowledgeable, capable, and ready to implement these projects effectively and expeditiously.

**David Douglas School District**

As part of the consortium for this proposal to PCEF, David Douglas prioritized four of nine elementary schools with specific populations and energy efficiency needs aligning with PCEF's focus areas. The schools (Gilbert Park, Lincoln Park, Earl Boyles and Gilbert Heights) are Title 1 schools with an average Free and Reduced Lunch rate of 76%, an average of 68% students of color, and an average of 14% students with disabilities. There are more than 60 languages spoken in our students' homes, with our top five languages being Vietnamese, Chinese, Spanish, Russian, and Somali. These schools partner with culturally responsive providers on site, including but not limited to our SUN after school program in partnership with Multnomah County to address academic failure, attendance and other critical issues, targeting low income students and students of color.

The district is proposing HVAC projects that will replace two original steam boilers in buildings dating back to 1956 and 1961 and two hydronic systems that are more than ten years old. All four schools lack upgraded fans and Variable Frequency Drive (VFDs), electrical devices that reduce natural gas consumption. The EPA cites a high quality, properly functioning HVAC system as critical for clean and healthy indoor air quality (IAQ) in schools as well as energy savings. (<https://www.epa.gov/iaq-schools/framework-effective-school-iaq-management>).

Together, the buildings total more than 245,000 square feet, at an average of about 61,000 square feet each. There are about 1,800 students total, with an average of 460 per school. These replacements will lower emissions and improve indoor air quality for teachers, students, families and community partners

We relied heavily on our Long Range Facility Plan (2020) and approved Bond (2022) to inform decisions related to these energy efficiency measures. The Plan included a community-based committee, surveys, community workshops and town hall; district residents approved the Bond. We can include this work in the construction that is already planned as part of the Bond.

**Parkrose School District and Multnomah Education Service District**

Currently Parkrose School District has six qualifying schools and MESD's three schools currently are leased through Parkrose. The two organizations will thus be working together and will plan to host monthly meetings to garner input and ideas, plan for community engagement, address challenges, and make project decisions.

MESD's three PCEF-eligible buildings, which are leased Parkrose School District, were built between 1951 and 1958. These schools serve a disproportionately vulnerable student population, with two of the three focusing on students with disabilities and significant needs. Knott Creek is an elementary school for students with significant behavioral needs and those with lower cognitive capabilities. Current enrollment is 60% students of color and 93% Special Education. Wheatley School houses a Functional Living Skills program for students with disabilities up to age 21. 67% are students of color and 100% qualify for Special Education. Helensview is an alternative school,

serving students aged 11-21 whose needs have not been met by the traditional K-12 system. 77% of students at Helensview are BIPOC and 39% qualify for special education.

Parkrose is a highly diverse district. 71% of the student population are students of color, 34% are English Language Learners, and there are 44 home languages spoken among students. 88% of students are economically disadvantaged, and every single school has over 50% of students qualifying for Free/Reduced Lunch. Additionally, Parkrose is bordered by many industrial and commercial lands, including the airport. It's therefore important that we do all we can to reduce our own climate impact, as well as mitigate the health impacts of neighboring entities' emissions on our students.

In 2018, in response to student, staff, and community advocacy, Parkrose implemented the Strategic Energy Plan in conjunction with Oregon Energy Trust to address energy conservation and efficiencies. Parkrose is dedicated to providing safe, healthy, and efficient buildings through energy efficient building design, operation, and behavioral strategies. The plan is established so that the District can design a culture of conservation and sustainability. Our primary obligation is to maintain a safe and secure environment for staff, students, and site visitors.

A preliminary building systems audit from 2021 shows much of the equipment in these buildings is beyond its useful life expectancy. The audit included multiple recommendations for HVAC and lighting replacements, upgrades and/or retrofits. We plan to serve our highest needs communities first, based on percentages of BIPOC families and free and reduced lunch. The schools targeted for the bulk of these funds range from 60-76 years old and sqftg of 40-44k (elementary) & 33-51k (MESD sites) and HVAC system tonnage ranging from 81-126.

Parkrose and MESD are proposing HVAC projects that will replace (5-9) gas condensing boilers for radiant heat and unit ventilators, (10) gas rooftop units, and associated equipment with geothermal systems which will provide electrified heating and cooling along with improved ventilation. Parkrose and MESD are proposing to replace 70 year old (5-8 million BTU) steam boilers and failing radiant floor system with geothermal systems in the three MESD/ MHCC used sites adding which will provide electrified heating and cooling along with improved ventilation. The EPA cites a high quality, properly functioning HVAC system as critical for clean and healthy indoor air quality (IAQ) in schools as well as energy savings. (<https://www.epa.gov/iaq-schools/framework-effective-school-iaq-management>).

Parkrose will also hire an Energy Coordinator. This individual will work with the community and students, providing information and opportunities to weigh in on project implementation. They will facilitate the updating of the districts' [Strategic Energy Management Plan](#). They will also collaborate with students to:

- Create opportunities to engage youth in hands-on climate learning, preparation, and practice on a regular basis at all Parkrose schools.
- Support development of youth leadership and engagement opportunities around climate solutions, prioritizing opportunities for students from frontline communities.
- Support student-led climate justice, climate action, and climate resiliency initiatives.

- Support students in their ongoing and critical role as climate response, climate justice, and sustainability advocates as well supporting student leaders in learning about climate solutions

We are proud that Parkrose has positioned itself to be prepared to immediately begin this work. Over the past 2 years, we have conducted a long-range facilities plan. This facilities plan will allow us to make equity-, maintenance-, and cost-informed decisions when selecting the appropriate schools to include.

### **Portland Public Schools**

In 2022, in response to student, staff, and community advocacy, PPS passed a first-of-its-kind [Climate Crisis Response Policy](#) to address climate change and historic climate injustices. The projects supported by this grant represent a major step toward meeting many of our ambitious goals: they reduce GHG emissions, electrify gas-fired building systems, increase energy efficiency, increase shade trees and green infrastructure, create meaningful pathways for student and teacher engagement with climate solutions, and build climate resiliency and equity into our schools. Other intended benefits include better indoor and outdoor air quality, greener outdoor spaces, stormwater management, space and partnerships to grow food at schools, and potential opportunities for community sheltering during climate emergencies.

Specifically, PPS plans to replace HVAC systems with air-source heat pumps, reducing energy load and adding cooling to schools that will drastically help improve thermal comfort for students and staff. PPS is also replacing gas-fired water heaters with high-efficiency electric heat pump water heaters. We are upgrading windows and building envelopes to ensure the energy load on our new systems is as low as possible.

Additionally, PPS plans to work with the community to design and install green schoolyard improvements that will address inequitable heat island impacts and lower the need for cooling energy in school buildings while creating inclusive green spaces for students and the community to learn, play, and connect to nature.

Properly designed schoolyards provide an essential role in the health and wellness of students by presenting them opportunities to explore physical, cognitive, sensory, and social play opportunities while contributing to the ecological health and resilience of our communities. Well planned schoolyards can encourage environmental stewardship, foresight, and an objective, informed view of the world to create a bright, sustainable future for our young people.

PPS is proud to have positioned ourselves to be prepared to immediately begin this work. Over the past 3 years, we have conducted energy audits and grounds inventories on both our buildings and our schoolyards to have a better sense of which schools are in greatest need and which school facilities would be most cost-efficient to renovate as part of a package of installations. These assessments allow us to make equity, maintenance, and cost-informed decisions when selecting the appropriate schools to include.

For PPS, the primary capital contractor is McKinstry. Because PPS already has an ESCO contract executed (procured through a formal RFP process), we will not need to spend time on procurement if awarded this grant. As part of McKinstry's contract with PPS, they are required to work with PPS staff to ensure we are subcontracting with

diverse business enterprises including minority, women, veteran, disabled, disadvantaged and LGBTQ-owned businesses.

We have also partnered with PAE, along with Ameresco, Oh Planning and Design, and New Buildings Institute to study the costs and carbon impacts of a variety of projects. We have also started work on a PPS decarbonization roadmap that will allow us to make informed decisions between now and 2050 that guide PPS toward carbon neutrality. This process has included robust community engagement at schools across the district to better understand our stakeholders' priorities in how we move toward decarbonization. These processes and information gathering help us make decisions that stretch funds farthest in terms of carbon reducing potential while staying true to community needs.

In partnership with Juncus Studio, an emerging small business, PPS is developing the RISE (Resilient, Inclusive, Sustainable, Equitable) Schoolyard Program, which directly engages students, teachers, administrators, and community members in envisioning possible green schoolyard improvements. The goal of the program is to provide a resilient, inclusive, sustainable and equitable schoolyard for every student and community across the district. These collaborative discussions with community members have resulted in the development of comprehensive schoolyard vision plans that include schoolyard improvements such as shade trees, asphalt removal, benches, native plantings, green infrastructure, crushed rock pathways and outdoor learning spaces. Prepared with these community-led schoolyard vision plans, we are confident in our capacity to collaborate effectively with partners and the community to immediately begin designing and building outstanding green schoolyard spaces that enrich our schools, reflect community identity, and support the most marginalized neighborhoods of Portland.

Our projects will include the hiring of two critical staff to help conduct this work:

1. Green Schools Coordinator: 0.5 FTE, estimated \$150,000 with fringe and health benefits, Reporting to Kat Davis, Climate Justice. Hire in year one (2024-25) and employ for 5 years of grant.
  - a. Lead a community engagement process where heat islands and school facility assessment data is shared through a community process in order to prioritize PCEF-eligible schools for schoolyard improvements that reduce GHG emissions.
  - b. Facilitate community engagement in PCEF schools (students, families, CBOs) in support of Green Schoolyard Visions and implementation plans, with the goal of phased construction beginning in late Spring-Summer 2025 through 2029.
2. Capital Project Manager: 1 FTE, Non-Rep, Reporting to Aaron Presberg, Energy & Sustainability. Primarily responsible for overseeing the construction and implementation of physical improvements, including HVAC and Green Schoolyards.

Portland Public Schools plans to select sites for this project based on a number of factors:

- Must be a PCEF eligible school.
- Percentage of underserved students at our eligible schools.
- The Multnomah County Heat Vulnerability Index.
- Geographical diversity to help serve communities across Portland.
- Facilities Conditions Index (from most recent Facilities Condition Assessment).



- Percentage of impervious surface area in the schoolyard.
- Schools that are *not* currently scheduled for major upgrades or modernizations through our bond program.

### **Reynolds School District**

Within the Reynolds School District, eligible schools for the Portland Clean Energy Fund (PCEF) investment are Alder, Glenfair and Margaret Scott elementary schools, constructed in 1965, 1954 and 1961 respectively.

Reynolds thrives through its racial, ethnic and socio-economic diversity. Alder Elementary hosts 89% students of color, 65% ever English learners and more than 95% students who are eligible for free and reduced lunch. Among Glenfair's 437 students, 31 languages are spoken, 81% are students of color and more than 95% are also eligible for free and reduced lunch. Comparably, Margaret Scott Elementary serves 82% students of color, 36% of whom are ever language learners as well as more than 9 out of 10 youth who are eligible for free and reduced meals.

Facilitated by BRIC Architecture in Spring 2021, a wide array of participants, reflective of the school district community, contributed to the Reynolds Long Range Facility Plan. The findings of the final report assess the Facility Condition Index (FCI) of Alder as 31.9%, Glenfair at 41.1% and Margaret Scott at 28.0%. For these three (3) schools, the findings identified significant deferred maintenance projects to enhance climate resiliency, student safety and optimal learning conditions. The report identified high priorities for the identified buildings and serves to inform Reynolds' requests to the PCEF that include:

1. HVAC replacement for improved thermal conditions, ventilation, and reduced emission.
2. Electrical upgrades and lighting replacement that transition to meet current code and energy efficiency.
3. Roof replacement with significantly increased R-Value and solar reflectivity.

As seasonal climate conditions move toward the extremes, through these projects, the Reynolds School District is committed to mitigate the emissions that contribute to the problem as well as reinforce our infrastructure to withstand the severe swings in temperature, thereby enabling these schools to remain open for student learning and other essential services offered to traditionally underrepresented student communities. Reynolds School District worked with BRIC Architecture in Spring of 2021 to develop a long-range facilities plan. This process involved significant community engagement and the projects put forth in this proposal come directly from that plan.

### **Estimated Funding Needed:**

Co-applicants have identified up to \$100 million in projects that could be completed across schools in Portland over the next five years. Recognizing the limited funding, we have provided budgets indicating scopes of work at a variety of levels, starting at \$46 million. We believe we have provided sufficient information for the Committee to make a determination about the level of funding for which they would like us to formally apply.

### **Estimated Project Timelines**

Depending on timing of notice of award and initial allocation, districts are prepared to begin design as early as Fall or Winter of 2024. Depending on scopes of work, the permitting process,

and lead times, construction could begin as early as Spring or Summer of 2025. For larger HVAC projects, design, permitting, and lead times are expected to be longer with construction likely starting in 2026.

**Description of the Implementation Team and Relevant experience:**

**MESD**

MESD's Director of Business Services, Doana Anderson, has over 25 years of experience in finance and accounting, nearly all in the public sector. She is well-prepared to set up the system for receiving funds from the city and distributing funds to co-applicant districts. MESD is in the process of hiring a Grants Accounting Manger, who will also be able to assist and ensure appropriate, consolidated reporting from all co-applicants.

After the retirement of our long-time Facilities Manager, MESD is currently in the hiring process for this position. We anticipate having it filled shortly. This person will liaise closely with Parkrose staff to coordinate on our shared projects.

**Centennial**

Paul Southerton has worked in the public sector for 13 years in the areas of operations, project management, and finance. Likewise, Director of Facilities, Jason LaFarge, has 13 years of experience in maintenance and facilities management. Centennial uses R&C Management as their capital projects management company, where Scott Rose has 35 years' experience delivering school projects including recently completed \$103.9 million worth of improvements at Ridgefield School District in Washington.

All three individuals worked together on the \$100 million in capital projects that were completed at Centennial School District over the last three years, thanks to the 2020 bond.

**David Douglas**

Patt Komar is the Director of Administrative Services and will be the lead project manager for DDSD PCEF projects. She brings more than a decade of experience developing and overseeing contracts with construction, engineering, architectural and other organizations qualified to implement capital improvements and renovations in a cost-effective and efficient manner. She will ensure DDSD meets all grant requirements, including but not limited to contracting and labor.

Lance Schweitzer is DDSD's Facilities Manager who also brings a wealth of experience in this area and will work with Ms. Komar and highly qualified vendors, as well as his team of year-round maintenance professionals, to identify and address facility concerns, monitor costs, track energy usage, and ensure health and safety. Mr. Schweitzer and his team use a Preventative Maintenance program to regularly service equipment as well as Direct Digital Controls to monitor and control HVAC equipment.

**Parkrose**

Robyn Stolin oversees facilities for Parkrose School District including three sites leased to MESD & Mt Hood Community College and will be the lead project and program manager for Parkrose S.D. PCEF projects. He has over 23 years of experience as a

program or facilities manager including over three years' experience leading energy and sustainability efforts at Parkrose S.D..

Sharie Lewis oversees operations and finance for Parkrose School District and will oversee the projects and financial piece of the Parkrose S.D. PCEF projects. She has over 20 years' experience with financial reporting & auditing, long range planning, and grant management. Also, as a community mentor and Director on the Association of School Business Official International Board, she has the experience and connections to learn and share best practices and bring community members together in collaboration of implementing PCEF goals within this school district coalition.

### **Portland Public Schools**

- Aaron Presberg
  - Aaron is the Senior Program Manager of Energy & Sustainability with PPS and will be the lead project and program manager for PPS PCEF projects. He has 10 years of experience running energy and sustainability projects/programs and oversees the district's operations as it relates to reducing greenhouse gas emissions.
- Kat Davis
  - Kat is the PPS Climate Justice Advisor and is responsible for overseeing the implementation of the PPS Climate Crisis Response Policy. She has over 7 years of experience developing and executing sustainability policies in educational settings as well as facilitating student-led climate projects, and will help make strategic decisions and guide the use of this funding as well as track its impact on PPS' overall climate goals.
- Monica Fleisher
  - Monica is the PPS Sustainability Program Manager. She has over 10 years of experience creating programs related to environmental stewardship, nature education, and resource conservation. She will be supporting Aaron and Kat in developing and implementing capital improvements and student projects. She has an educational background in urban planning, green infrastructure, and sustainability education.
- Ari Ettinger
  - Ari is the PPS Climate Resiliency Program Manager. He will be supporting Aaron and Kat in developing and implementing community engagement strategies for this work and helping oversee the installation of capital improvements. He has been at PPS in this role for over four years and has an educational background in sustainability policy and community engagement.
- Avtar Sunnivagora
  - Avtar is the Certified Business Program Manager (CBPM) for PPS. The CBPM will be responsible for managing all of the Business Equity, Workforce Equity, and Career Learning requirements in regards to PPS PCEF projects and will work with other PPS staff to help ensure all requirements are met. Avtar has 11 years of experience working for a Certified Business in Oregon and Washington, and has been with the district for almost 2 years as the CBPM.
- Steven Smith
  - Steven is a Senior Project Manager at PPS and has been leading the development of the RISE (Resilient, Inclusive, Sustainable, Equitable)

Green Schoolyard program for PPS for the last 5 years. He will assist with capital improvement project implementation.

- Theresa Fagin
  - Theresa is a Project Manager II and has worked for both PPS Facilities and The Office of School Modernization on a number of capital improvement projects, including the Mechanical Modernization for Tubman Middle School. She will assist with capital improvement project implementation.
- Dan Jung
  - Dan is the Chief Operating Officer and executive sponsor for the PCEF projects at PPS. He has been with the district for over 10 years and oversees all of PPS operations, including maintenance, construction, and transportation.

### **Reynolds**

Bob Collins, OTak Project Senior Director. Bob offers over 45 years of project and construction experience. He has provided facilities management planning, program, project, and construction management for local and regional public agencies.

Andrew Lent, Otak Project Manager. Andrew is a dedicated project manager who specializes in K-12 facility projects.

Brent Perrin, MBA, Reynolds Director of Facilities. Brent has over 25 years of combined experience in commercial construction, project management and facilities management. His relevant project experience includes new construction of buildings with energy efficient equipment, sustainable products and energy saving furnishings, various HVAC replacement projects, BMS integration, lighting controls installation, energy use planning and programming along with roofing replacements for increased energy savings.

## **Description of How the Project Clearly Reduces or Sequesters Greenhouse Gases:**

### **Centennial**

Project benefits and energy efficiency. Upgrades to the HVAC system will transition these schools away from fossil fuel equipment to a clean energy alternative, using of VRF (Variable Refrigerant Flow) systems which are extremely efficient and, since they do not rely on fossil fuel sources and they meet the clean energy requirements. In other schools where we have added these systems they act as a primary heating source, so that the perimeter steam radiation system only activates when (if) the VRF system is unable to maintain the space temperature setpoint. Ultimately this has already reduced the operational load on the existing natural gas fired boilers in each facility, and this proposal would eliminate them completely. Expansion of the VRF system will allow the district to move away from the need for gas fired boilers and save operational costs and energy all at the same time. Domestic water systems are already typically heated independently of space heating requirements, but for those that require replacement as part of the modification, small point of use water heaters or installation of heat pump water heaters would contribute to more energy savings. Energy savings that could be expected from this change over to the VRF system from the existing gas fired boilers have been studied by a number of different agencies including the DOE (Department of Energy), PNNL (Pacific Northwest National Laboratory) and GSA (General Services

Administration). GSA recommends the following parameter for ideal targeting of VRF systems:

- Need for HVAC upgrades with limited room for ductwork changes
- Climates with significant heating loads
- Buildings with electric reheat, supplemental heat, or primary heating
- 5,000 to 100,00 square foot areas
- Buildings with enclosed spaces that would benefit from independent temperature control.

Based on the studies by the organizations already mentioned, a realistic target for annual energy savings from a VRF system installations are shown as a 34%1 annual savings across all markets, with a 26% savings shown for the Seattle area climate, which roughly replicates that of the Portland, Oregon Area. Variables for these numbers depend on the specifics of the installation, current fuel prices, and the facility construction in general. As mentioned before, installation of alternative domestic water heater systems could potentially complement the energy savings numbers above by another 10% to 20% depending on water demand usage.

### **David Douglas**

DDSD is proposing HVAC projects that will replace two original steam boilers in buildings dating back to 1956 and 1961 and two hydronic systems that are more than ten years old. All four schools lack upgraded fans and Variable Frequency Drive (VFDs), electrical devices that reduce natural gas consumption. Together, the buildings total more than 245,000 square feet, at an average of about 61,000 square feet each. These replacements will lower natural gas emissions.

### **Parkrose and MESD**

Geothermal systems are intended to be a long-term solution with low maintenance requirements and save 30% - 50% (or more) of the energy costs associated with conventional systems. Installing a Geothermal solution creates an opportunity to improve the existing infrastructure, rather than just replacing it. Additionally, this system allows for the addition of cooling and improved ventilation while eliminating the need for fossil fuels and reducing the need for power generation. Window projects, especially those that decrease the sqft of window space in favor of insulated walls, and lighting updates to LED will lower the energy usage of the buildings. Changing to electric vehicles can have significant emissions benefits over conventional vehicles with an immediate impact to the local air quality especially in a disadvantaged area near significant transportation areas like freeway.

### **Portland Public Schools**

- **PPS Carbon reductions and sequestration**
  - For the building improvement and energy efficiency projects, PPS estimates *annual* savings somewhere between 33,000 - 69,000 therms of natural gas. While we do intend to make our current heating and ventilation systems more efficient, we do not anticipate any kWh savings since we will be installing all-electric HVAC and water heating systems, which will lead to more kWh used (compared to our existing condition with natural gas-fired steam boilers).
  - Focusing on the electrification of our HVAC and hot water systems will further contribute to our future, ongoing decarbonization as the PGE and

Pacific Power electrical grids continue to become more renewable. They are slated to be powered by 100% clean energy by 2040, which would mean all of our electric use would be decarbonized by then.

- PPS plans to remove 40% of the asphalt within schoolyards, which is approximately 66,000 - 176,000 square feet depending on allocated funding. This depaving effort will allow for 56,000 - 150,000 square feet of shade trees, shrubs and field grass to be planted in the place of asphalt.

### **Reynolds**

The existing HVAC units at Alder Elementary that are eligible for replacement are (2) 2-3 ton Carrier RTU package units, (8) 4 ton Carrier RTU package units, (11) 6 ton Carrier RTU package units, (1) 7 ton Carrier RTU package unit, (2) 2.5-3.5 ton wall mount heat pumps with electric coils and (2) Greenheck MAU Model #76xHV-118-H32-DB gas fired units, 26 heating and cooling units in total. The existing units are on average over 10 years old and at the end of the functional lifespan. The average energy efficiency of the existing units is 10 Seer. The units that do operate with refrigerants use R-22. The district would also like to add 6 Exhaust Fans onto the DDC with scheduling and optimization. Desired replacement RTU's components would include economizers, Co2, variable speed compressors and direct drive vane axial fans. The district's goal is that these new units have the highest possible SEER rating available. Replacement units should offer zero ozone depletion potential and low global warming potential per EPA mandates. New HVAC units included in the pricing shown in the exhibit table are the most current versions of these same units from the same manufacturer. On average they would offer substantially higher efficiency at 13-14 seer.

The existing lighting at Alder Elementary consists of 10+ year old switch operated T-8 light fixtures, which have an energy efficiency of roughly 80 lm/W. Proposed new lighting would be new 2x4 LED fixtures with photocell, occupancy sensors and scene control. The new LED fixtures paired with these controls could result in up to a 50% reduction in lighting power consumption. These new LED fixtures achieve 140 lm/W. Alder has roughly 500 existing light fixtures.

The proposed partial roof replacement at Alder Elementary would include the gym roof only as the main building and Cafeteria were restored in 2018. The existing Gym roof is 6,396 sq. ft. and 15+ years old. The existing roof system is a 4-ply BUR with an R-value of 1.3 – 16.5. The proposed new roof system for the gym would be a 60 Mil KEE (Keytone Ethylene Ester) single ply roof system with an R-value of 30.

The existing HVAC units at Glenfair Elementary that are eligible for replacement are (7) 4 ton RTU's with gas heat and electric cooling, (5) 5 ton RTU's with gas heat and electric cooling, (1) 7 ton RTU with gas heat and electric cooling, (2) 20 ton blowers with AC that providing cooling to rooms 13-15 and (4) 3-4 ton bard wall mount units on portables with heat pumps, 19 heating and cooling units in total. The existing units are on average over 10 years old and at the end of the functional lifespan. The average energy efficiency of the existing units is 10 Seer. The units that do operate with refrigerant use R-22. New HVAC units included in the pricing shown in the exhibit table are the most current versions of these same units from the same manufacturer. On average they would offer substantially higher efficiency at 13-14 seer.

The existing lighting at Glenfair Elementary consists of 10+ year old switch operated T-8 light fixtures, which have an energy efficiency of roughly 80 lm/W. Proposed new lighting would be new 2x4 LED fixtures with photocell, occupancy sensors and scene control. The new LED fixtures paired with these controls could result in up to a 50% reduction in lighting power consumption. These new LED fixtures achieve 140 lm/W. Glenfair has roughly 500 existing light fixtures.

The district is proposing a full replacement of the 66,700 sq. ft. roof at Glenfair Elementary. The existing roof system is a 15+ year old 4-ply BUR with an R-value of 1.3 – 8.25. The proposed new roof system for the gym would be a 60 Mil TPO (Thermoplastic polyolefin) single ply roof system with an R-value of 30.

The existing HVAC units at Margaret Scott Elementary that are eligible for replacement are (2) 2-3 ton RTU's with gas heat and electric cooling, (18) 4 ton RTU's with gas heat and electric cooling, (2) 6 ton RTU's with gas heat and electric cooling, (1) 6.5-7 ton RTU with gas heat and electric cooling, (1) 5 ton RTU with gas heat and electric cooling and (7) 4-5 ton portable units with electric heating and electric cooling, 31 heating and cooling units in total. The existing units are on average over 10 years old and at the end of the functional lifespan. The average energy efficiency of the existing units is 10 Seer. The units that do operate with refrigerant use R-22. Desired replacement RTU's components would include economizers, Co2, variable speed compressors and direct drive vane axial fans. The district's goal is that these new units have the highest possible SEER rating available. Replacement units should offer zero ozone depletion potential and low global warming potential per EPA mandates. New HVAC units included in the pricing shown in the exhibit table are the most current versions of these same units from the same manufacturer. On average they would offer substantially higher efficiency at 13-14 seer.

The existing lighting at Margaret Scott Elementary consists of 10+ year old switch operated T-8 light fixtures, which have an energy efficiency of roughly 80 lm/W. Proposed new lighting would be new 2x4 LED fixtures with photocell, occupancy sensors and scene control. The new LED fixtures paired with these controls could result in up to a 50% reduction in lighting power consumption. These new LED fixtures achieve 140 lm/W. Glenfair has roughly 700 existing light fixtures.

The district is proposing a full replacement of the 43,223 sq. ft. roof at Margaret Scott Elementary. The existing roof system is a 15+ year old 4-ply BUR with an R-value of 1.3 –16.5. The proposed new roof system for the gym would be a 60 Mil TPO (Thermoplastic polyolefin) single ply roof system with an R-value of 30. The ROM cost estimate for this full roof replacement is \$2,878,400.00. The proposed new roof system for the gym would be a 60 Mil KEE (Keytone Ethylene Ester) single ply roof system with an R-value of 30.

### **Community Outreach/Engagement, Community and Co- Benefits**

Many districts have recently updated their long-facilities plans, which involved extensive community engagement. Additionally, those with recent capital projects have had their priorities vetted through community surveys, listening sessions, etc. That work informs the projects that have been put forward here. We also have numerous letters demonstrating community support for these investments (see attached).

### **Centennial**

The 2019 long-range facilities planning process incorporated community input at five in person meetings where they reviewed data, discussed, and prioritized projects. That process informed the selection of 2020 Bond projects, and the projects included here are those that were identified, but that exceeded what was ultimately financially possible within the constraints of the bond.

Given Centennial's student population, the proposed investments will directly benefit youth that fit within the PCEF priority populations.

### **David Douglas**

We relied heavily on our Long Range Facility Plan (2020) and approved Bond (2022) to inform decisions related to these energy efficiency measures. The Plan included a community-based committee, surveys, community workshops and town hall. District residents also attended community workshops for the Bond, flyers and mailers were distributed in our top five languages, and after approving the Bond, residents were invited to participate on the Bond Oversight Committee. DDSD continues to welcome residents' input on the Bond and other issues, and updates are posted regularly to the website and discussed at Board meetings which are open to the public.

The EPA cites a high quality, properly functioning HVAC system as critical for clean and healthy indoor air quality (IAQ) in schools as well as energy savings. (<https://www.epa.gov/iaq-schools/framework-effective-school-iaq-management>). The proposed replacements and their regular maintenance will improve indoor air quality for teachers, students, families and community partners. This is important to optimize student learning and family engagement as well as strengthen community partnerships. The schools selected have an average of 68% students of color and an average FRL rate of 76%

### **Parkrose and MESD**

Parkrose utilized our existing plans to identify projects, but we will work with our community to determine the order to projects. Our proposal includes a new Energy Coordinator position to engage with the community and specifically to give students opportunities to learn about climate solutions and climate advocacy.

Given the populations served in our schools, any improvements will have a direct benefit on PCEF priority populations, particularly people of color, those who are low-income, and those with disabilities. Decreasing our operating costs is crucial to being able to combat decreasing revenue and increasing costs and allows us to not only shift these important dollars to other school needs but also allows us to continue to support our community through safe and well maintained properties which the public uses outside of school hours. Many non-profits who support disadvantaged people rely on our partnership and discounted or no-cost site usage for their programs.

### **Portland Public Schools**

PPS' Climate Crisis Response Policy was passed by the Board at the behest of students, teachers, parents, and community partners. That process itself was deeply rooted in community engagement and in collecting iterative feedback from community stakeholders over the course of many months.



This Spring, PPS conducted a series of public workshops on the PPS decarbonization plan. We wanted to get a better understanding of how our community valued competing priorities as we work to decarbonize our district. The [input we gathered from those sessions](#) directly impacted choices we made in selecting projects for this grant. We know from studies and public engagement that thermal comfort is a critical component of climate justice for our community.

A pivotal aspect of our green schoolyard planning is the community-led process, ensuring the plans reflect the needs of students, teachers, and administrators. Embracing a community-centered design approach guarantees the creation of a shared schoolyard vision that resonates with the identity of each distinct community and builds a sense of self-efficacy and community ownership.

The initial schoolyard vision planning efforts engaged over 500 students and teachers, along with more than 400 community members. The proposed schoolyard projects funded by this grant aim to involve an additional 800 students and approximately 1,000 community members, contributing to shaping the future vision of their green schoolyards. The community schoolyard events include material translated into a variety of languages and facilitate a variety of ways to participate and provide feedback.

School communities and PCEF Priority Populations can expect a multitude of benefits from the green infrastructure and energy efficiency projects proposed by PPS. School sites will be prioritized in East and North Portland to benefit the most vulnerable communities, who are disproportionately affected by high temperatures and poor air quality, the lowest square footage of tree canopy, high rates of physical and mental health issues, and negative impacts from extreme climate events. (Supportive data: [Urban Heat Island Index](#), [tree canopy map](#), [access to greenspace map](#), [environmental hazard potential map](#).) By implementing projects at identified sites, our project team will be focused on projects that serve frontline communities and PCEF priority populations, including communities of color, at-risk youth, and people with low incomes.

The energy efficiency projects will improve school building comfort for students, teachers, and staff. With window replacements, increased exterior shade, HVAC upgrades, and building envelope improvements, PPS will decrease energy usage and maintain comfortable learning and working conditions. Using less energy will reduce greenhouse gas emissions and save operating costs.

Additionally, focusing on the electrification of our HVAC and hot water systems will further contribute to our future decarbonization as the PGE and Pacific Power electrical grids continue to become more renewable as they are slated to be powered by 100% clean energy by 2040.

Implementing these projects will increase the overall preparedness of school buildings and campuses to also serve as community centers during climate events and crises, such as extreme heat, floods, or ice. Our proposed investment in schools, schoolyards, and neighborhoods will build climate resilience, foster healthy communities, and support regenerative systems for Portland's most vulnerable populations.

Replacing excessive schoolyard asphalt with plants and soil holds promise in mitigating the adverse impacts of urban heat islands. By introducing more shade trees, gardens,

planting beds, and habitat areas, there will be a noticeable increase in shade, a reduction in ambient temperature, less noise pollution, and a greater presence of nature. Given the proximity of over 13,000 households within a half-mile radius of these schools, green schoolyard enhancements also offer an opportunity to provide cool and green spaces for active and passive recreation, particularly benefiting vulnerable communities during the summer heat

### **Reynolds**

In Spring 2021, facilitated by BRIC Architecture, the Reynolds School District community completed a long range facility plan. The projects highlighted in this proposal were prioritized within the plan's final report. Diverse and key stakeholders spanning the school district community participated in the months-long long range facility planning review and planning process. They included: students, parents, classified and teaching staff, culturally specific and culturally informed community partners, school principals, operations department directors, the Superintendent, Board members and local elected officials.

Student academic performance increases when the learning environment is safe, clean and comfortable. Research confirms that students experiencing poverty, communities of color and other traditionally under-served communities are more likely to attend class in older school buildings and those under disrepair. Institutions that experience more extreme temperature fluctuations during the school day, render poor ventilation and lighting compound challenges for students to concentrate on learning. Furthermore, these conditions increase the likelihood for more illness for students, teachers and other critical care professionals in the building, thereby increasing absenteeism. As Reynolds students who attend Alder, Glenfair and Margaret Scott come from families striving to overcome systemic barriers to employment, affordable housing, and economic justice, the benefit for students to engage with content in climatically controlled environments is complementary to the primary benefit for gas sequestration and energy efficiency.

Due to their age and deterioration from deferred maintenance, the utility and maintenance costs are highest at the named schools. From the inefficiencies of the current systems, the Reynolds School District invests more to power and heat these schools than any others of comparable size across the district. In addition, the age and condition of these systems at these schools require disproportionate service calls from district facilities staff or contractors. The replacement of HVAC, lighting systems and roofs will save the school district significant facility costs annually.

The Reynolds School District is an equity driven organization. In 2015, the RSD Board of Directors was the first school district in the region to adopt an Equity Board Policy. The neighborhoods of east Portland are strong and resilient thanks to the diverse cultural and ethnic backgrounds of its citizens. Hailing from more than 80 birth nations, and speaking over 110 different languages, Reynolds youth and families reflect the beautiful tapestry of the east Portland community. Their resiliency is demonstrated daily as they come together to advance toward social and economic mobility.

While recent progress is promising, the data remains distinct. More than 90% of Reynolds youth experience poverty, including between 9-11% who self-report to experiencing homelessness. Approximately 13% of Reynolds youth live with disabilities and more than 70% come from communities of color. Alongside our staff and community partners, we celebrate the accomplishments of students' achievement while

## LOI: City-Wide Schools Investing in Climate Resilience

maintaining a laser focus on elevating every child to realize their unbounded potential. The Reynolds School District appreciates PCEF's consideration for critical infrastructure improvements to simultaneously reduce greenhouse gas emission and sustainably improve learning conditions for Reynolds' incredible youth and families.

In conclusion, these projects will dramatically lower carbon emissions from our city's schools and have a major beneficial impact on the health and well-being of our highest priority school populations. They will also serve as usable community models for green spaces that provide shade, play, equity, and resiliency to a variety of underserved neighborhoods around Portland.

<b>Highest Request</b>	<b>\$100,000,000.00</b>							
<b>MESD</b>	\$7,080,000							
<b>Centennial</b>	\$10,000,000							
<b>David Douglas</b>	\$25,420,000							
<b>Parkrose</b>	\$12,080,000							
<b>PPS</b>	\$36,670,000							
<b>Reynolds</b>	\$8,750,000							
<b>MESD</b>								
<b>Project Category</b>	<b>Site</b>	<b>Project</b>	<b>ROM Cost</b>	<b>Matching Funds</b>	<b>Energy Savings (kWh)</b>	<b>Energy Savings (Therms)</b>	<b>Vegetation Planted (Square Footage)</b>	
<b>Energy reduction, energy efficiency, and thermal comfort</b>	<i>Helensview (Sumner Building)</i>	<i>Geothermal</i>	\$3,200,000	\$960,000	61,000	25,000		
	<i>Wheatley (Thompson Building)</i>	<i>Geothermal</i>	\$3,700,000	\$1,110,000	57,000	16,000		
<b>Transportation Decarbonization</b>	District	Facilities Dept Work Vehicles/Student Transport Vans (Electric) (qty 6-7)	\$600,000	\$180,000				
<b>Staffing, engagement costs</b>	All sites	Project Coordinator	282,000					
	Contingency	Contingency fund for up to 10% additional program costs	\$777,633					
	Indirect	Indirect Rate of 9% is MESD rate approved by ODE	\$770,367					
<b>Totals</b>			\$9,330,000	\$2,250,000				
<b>Amount Needed from PCEF</b>			<b>\$7,080,000</b>					
<b>Centennial</b>								
<b>Project Category</b>	<b>Site</b>	<b>Project</b>	<b>ROM Cost</b>	<b>Matching Funds</b>	<b>Energy Savings (kWh)</b>	<b>Energy Savings (Therms)</b>	<b>Vegetation Planted (Square Footage)</b>	
<b>Energy reduction, energy efficiency, and thermal comfort</b>	<i>Oliver Middle School</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,250,000	\$100,000		35,000		
	<i>Parklane Elementary School</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,220,000	\$100,000		30,000		
	<i>Powell Butte Elementary School</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,220,000	\$100,000		35,000		
	<i>Patrick Lynch ES</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,220,000	\$100,000		40,000		
<b>Transportation Decarbonization</b>	<i>Patrick Lynch Powell Butte Parklane Oliver Middle</i>	<i>Transition from gas to electric outdoor maintenance equipment for schools</i>	\$100,000					
	<i>Patrick Lynch Powell Butte Parklane Oliver Middle</i>	<i>Transition from gas to electric buses for pupil transportation (3) extended buses</i>	\$1,090,000	\$200,000				
<b>Green schoolyards</b>								
<b>Staffing, engagement costs</b>	All sites	Project Management	\$200,000					
		Engagement Activites	\$50,000					
		Indirect 2.5%	\$250,000					
<b>Totals</b>			\$10,600,000	\$600,000				
<b>Amount Needed from PCEF</b>			<b>\$10,000,000</b>					

David Douglas							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Gilbert Park	Replace inefficient, older generation (more than ten years) boiler of current hydronic system. Upgrade fans and install Variable Frequency Drive (VFD), an electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install two security cameras as a building safety improvement.	\$7,531,500	\$4,189,646		Estimated Between 5,100 and 5,800 therms annually	
	Lincoln Park	Replace steam boiler original to building with hydronic system. Upgrade fans and install VFD electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install one security camera as a building safety improvement.	\$7,526,500	\$0		Estimated Between 5,100 and 5,800 therms annually	
	Earl Boyles	Replace steam boiler original to building with hydronic system. Upgrade fans and install VFD electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install four security cameras as a building safety improvement.	\$7,541,500	\$0		Estimated Between 5,100 and 5,800 therms annually	
	Gilbert Heights	Replace inefficient, older generation (more than ten years) boiler of current hydronic system. Upgrade fans and install Variable Frequency Drive (VFD), an electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install three security cameras as a building safety improvement.	\$7,536,500	\$1,400,802		Estimated Between 5,100 and 5,800 therms annually	
Green schoolyards							
Staffing, engagement costs	All 4 sites above	Indirect Costs at 3.44% (ODE approved rate for 23-24)	\$874,448	\$0			
Totals			\$31,010,448	\$5,590,448			
Amount Needed from PCEF			\$25,420,000				
Parkrose							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, renewable energy, energy efficiency, and thermal comfort	Prescott Elementary	Geothermal	\$3,090,000	\$927,000	70,222	13,006	
	Russell Elementary	Geothermal	\$2,550,000	\$765,000	90,720	11,739	
	Sacramento Elementary	Geothermal	\$2,620,000	\$786,000	71,696	13,052	
	Shaver Elementary	Geothermal	\$2,800,000	\$840,000	98,336	12,967	
	Knott Creek (MESD & MHCC Headstart)	Geothermal	\$2,400,000	\$720,000	50,000	9,000	
	Knott Creek (MHCC Headstart)	Window Replacement & Reduction	\$400,000			*modeling not complete	
	Knott Creek (MHCC Headstart)	Lighting Retrofit	\$40,000			*modeling not complete	
	Prescott Elementary	Window Replacement & Reduction	\$1,000,000	\$212,173		*modeling not complete	
Transportation Decarbonization	District	Facilities Dept Work Vehicles (Electric) (qty 5-6)	\$500,000	\$150,000			
Green schoolyards							
Staffing, engagement costs	ALL	Project Coordinator	\$340,000				
	ALL	Parkrose Overhead 4.5%	\$740,173				
Totals			\$16,480,173	\$4,400,173			
Amount Needed from PCEF			\$12,080,000				

PPS							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	School A	HVAC Replacement (Air-Source Heat Pumps, add cooling)	\$5,500,000			30,000	
	School A	Electric Heat Pump Water Heaters	\$196,000	\$1,100		1,000	
	School A	Window Replacement	\$3,000,000	\$53,500		2,000	
	School B	HVAC Replacement (Air-Source Heat Pumps, add cooling)	\$9,100,000			32,000	
	School B	Electric Heat Pump Water Heaters	\$196,000	\$1,100		1,000	
	School B	Window Replacement	\$5,400,000	\$92,500		3,000	
Green schoolyards	School A	Green Schoolyard Improvements	\$1,000,000				22,000
	School B	Green Schoolyard Improvements	\$1,000,000				22,000
	School C	Green Schoolyard Improvements	\$1,000,000				22,000
	School D	Green Schoolyard Improvements	\$1,000,000				22,000
	School E	Green Schoolyard Improvements	\$1,000,000				22,000
	School F	Green Schoolyard Improvements	\$1,000,000				22,000
	School G	Green Schoolyard Improvements	\$1,000,000				22,000
Staffing, engagement costs		CBO Contracts (garden programs, community engagement, etc)	\$140,000				
		Landscape Maintenance	\$360,000				
		Green Schools Coordinator @ \$75,000 (salary + fringe) x 5 years	\$375,000				
		Capital Project Manager @ \$165,000 (salary + fringe) x 5 years	\$825,000				
		Contingency fund for up to 10% additional program costs	\$2,995,551				
Totals		<b>Subtotal</b>	<b>\$35,087,551</b>				
	Indirect	Indirect Rate of 4.51% is PPS rate approved by ODE	\$1,582,449				
Totals			\$36,670,000	\$148,200			
Amount Needed from PCEF			\$36,670,000				
Reynolds							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Alder Elementary	HVAC (Replace 26 total 10 Seer units with the same number of 13-14 Seer units)	\$1,300,000		341,744 or 34%	2,912	
	Alder Elementary	Roof (Replace existing gym roof (R-1.3 - 16.5) with new roof (R-30))	\$350,800		42%		
	Alder Elementary	New interior lighting, w/controls (Replace existing 64 kW/h T-8's with new 32 kW/h LED's)	\$540,000		1 Million kWh or 50%		
	Glenfair Elementary	HVAC (Replace 19 total 10 Seer units with the same number of 13-14 Seer units)	\$2,175,000		249,736 or 34%	2,128	
	Glenfair Elementary	New interior lighting, w/controls (Replace existing 64 kW/h T-8's with new 32 kW/h LED's)	\$439,000		1 Million kWh or 50%		
	Margaret Scott Elementary	HVAC (Replace 31 total 10 Seer units with the same number of 13-14 Seer units)	\$1,105,000		407,464 or 34%	3,472	
	Margaret Scott Elementary	Roof (Replace existing gym roof (R-1.3 - 16.5) with new roof (R-30))	\$2,318,417		42%		
	Margaret Scott Elementary	New interior lighting, w/controls (Replace existing 64 kW/h T-8's with new 32 kW/h LED's)	\$506,000		1.5 Million kWh 50%		
Green schoolyards							
Staffing, engagement costs	All Three Sites	Project Management and Soft Costs	\$210,000	\$210,000			
Totals		Includes 10% indirect	\$8,944,217	\$210,000			
Amount Needed from PCEF			\$8,734,217				
Grant total			\$99,984,217				

<b>Mid-Level Request</b>	<b>\$75,000,000.00</b>						
<b>MESD</b>	\$5,310,000						
<b>Centennial</b>	\$7,500,000						
<b>David Douglas</b>	\$19,065,000						
<b>Parkrose</b>	\$9,060,000						
<b>PPS</b>	\$27,502,500						
<b>Reynolds</b>	\$6,562,500						
<b>MESD</b>							
<b>Project Category</b>	<b>Site</b>	<b>Project</b>	<b>ROM Cost</b>	<b>Matching Funds</b>	<b>Energy Savings (kWh)</b>	<b>Energy Savings (Therms)</b>	<b>Vegetation Planted (Square Footage)</b>
<b>Energy reduction, energy efficiency, and thermal comfort</b>	<i>Helensview School (Sumner Building)</i>	<i>Geothermal</i>	\$3,200,000	\$960,000	61,000	25,000	
	<i>Wheatley School (Thompson Building)</i>	<i>Upgrade HVAC (Replace original gas steam boiler with VRF or electric heat pumps)</i>	\$2,100,000	\$340,000		16,000	
<b>Green schoolyards</b>							
<b>Staffing, engagement costs</b>	All sites	Project Coordinator	\$213,000				
	Contingency	Contingency fund for up to 10% additional program costs	\$551,220				
	Indirect	Indirect Rate of 9% is MESD rate approved by ODE	\$545,780				
<b>Totals</b>			\$6,610,000	\$1,300,000			
<b>Amount Needed from PCEF</b>			<b>\$5,310,000</b>				
<b>Centennial</b>							
<b>Project Category</b>	<b>Site</b>	<b>Project</b>	<b>ROM Cost</b>	<b>Matching Funds</b>	<b>Energy Savings (kWh)</b>	<b>Energy Savings (Therms)</b>	<b>Vegetation Planted (Square Footage)</b>
<b>Energy reduction, energy efficiency, and thermal comfort</b>	<i>Oliver Middle School</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,250,000	\$100,000		35,000	
	<i>Parklane Elementary School</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,220,000	\$100,000		30,000	
	<i>Powell Butte Elementary School</i>	<i>Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction</i>	\$2,220,000	\$100,000		35,000	
<b>Transportation Decarbonization</b>	<i>Patrick Lynch Powell Butte Parklane Oliver Middle</i>	<i>Transition from gas to electric buses for pupil transportation (2 ) extended buses</i>	\$812,500	\$50,000			
<b>Staffing, engagement costs</b>	All sites	Project Management	\$112,792				
		Engagement Activities	\$50,000				
		Indirect 2.46%	\$184,708				
<b>Totals</b>			\$7,850,000	\$350,000			
<b>Amount Needed from PCEF</b>			<b>\$7,500,000</b>				

David Douglas							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Gilbert Park	Replace inefficient, older generation (more than ten years) boiler of current hydronic system. Upgrade fans and install Variable Frequency Drive (VFD), an electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install two security cameras as a building safety improvement.	\$7,531,500	\$4,189,646		Estimated Between 5,100 and 5,800 therms annually	
	Lincoln Park	Replace steam boiler original to building with hydronic system. Upgrade fans and install VFD electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install one security camera as a building safety improvement.	\$7,526,500	\$0		Estimated Between 5,100 and 5,800 therms annually	
	Earl Boyles	Replace steam boiler original to building with hydronic system. Upgrade fans and install VFD electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install four security cameras as a building safety improvement.	\$7,541,500	\$690		Estimated Between 5,100 and 5,800 therms annually	
Green schoolyards							
Staffing, engagement costs	All 3 sites above	Indirect Costs at 3.44% (ODE approved rate for 23-24)	\$655,836	\$0			
Totals			\$23,255,336	\$4,190,336			
Amount Needed from PCEF			\$19,065,000				
Parkrose							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Prescott Elementary	Geothermal	\$3,090,000	\$927,000	70,222	13,006	
	Russell Elementary	Geothermal	\$2,550,000	\$765,000	90,720	11,739	
	Sacramento Elementary	Geothermal	\$2,620,000	\$786,000	71,696	13,052	
	Shaver Elementary	Geothermal	\$2,800,000	\$847,000	98,336	12,967	
	Knott Creek (MHCC Headstart)	Window Replacement & Reduction	\$400,000		*modeling not complete		
	Knott Creek (MHCC Headstart)	Lighting Retrofit	\$40,000	\$5,000	*modeling not complete		
Transportation Decarbonization	District	Facilities Dept Work Vehicles (Electric) (qty 5-6)	\$500,000	\$150,000			
Green schoolyards							
Staffing, engagement costs	ALL	Project Coordinator (paid by other funds)	\$340,000	\$340,000			
	ALL	Parkrose overhead 4.5%	\$540,000				
Totals			\$12,880,000	\$3,820,000			
Amount Needed from PCEF			\$9,060,000				



PPS							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	School A	HVAC Replacement (Air-Source Heat Pumps, add cooling)	\$5,500,000			30,000	
	School A	Electric Heat Pump Water Heaters	\$196,000	\$1,100		1,000	
	School A	Window Replacement	\$3,000,000	\$53,500		2,000	
	School B	HVAC Replacement (Air-Source Heat Pumps, add cooling)	\$9,100,000			32,000	
	School B	Electric Heat Pump Water Heaters	\$196,000	\$1,100		1,000	
	School B	Window Replacement	\$5,400,000	\$92,500		3,000	
Green schoolyards							
Staffing, engagement costs	Capital Project Manager	1 FTE Capital Project Manager @ \$165,000 (salary + fringe) x 5 years	\$825,000				
	Contingency	Contingency fund for up to 10% additional program costs	\$2,098,664				
		<b>SUBTOTAL</b>	<b>\$26,315,664</b>				
	Indirect	Indirect Rate of 4.51% is PPS rate approved by ODE	\$1,186,836				
Totals		\$27,502,500	\$148,200				
Amount Needed from PCEF		\$27,502,500					
Reynolds							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Alder Elementary	HVAC (Replace 26 total 10 Seer units with the same number of 13-14 Seer units)	\$1,300,000		341,744 or 34%	2,912	
	Alder Elementary	Roof (Replace existing gym roof (R-1.3 - 16.5) with new roof (R-30))	\$350,800		42%		
	Alder Elementary	New interior lighting, w/controls (Replace existing 64 kW/h T-8's with new 32 kW/h LED's)	\$540,000		1 Million kWh or 50%		
	Glenfair Elementary	HVAC (Replace 19 total 10 Seer units with the same number of 13-14 Seer units)	\$2,175,000		249,736 or 34%	2,128	
	Glenfair Elementary	New interior lighting, w/controls (Replace existing 64 kW/h T-8's with new 32 kW/h LED's)	\$439,000		1 Million kWh or 50%		
	Margaret Scott Elementary	HVAC (Replace 31 total 10 Seer units with the same number of 13-14 Seer units)	\$1,105,000		407,464 or 34%	3,472	
Margaret Scott Elementary	New interior lighting, w/controls (Replace existing 64 kW/h T-8's with new 32 kW/h LED's)	\$506,000		1.5 Million kWh or 50%			
Green schoolyards							
Staffing, engagement costs	All Three Sites	Project Management and Soft Costs	\$170,000	\$25,000			
Totals		Includes 10% indirect	\$6,585,800	\$25,000			
Amount Needed from PCEF			\$6,560,800				
Grant total			\$74,998,301				

<b>Lowest Request</b>	<b>\$46,175,000.00</b>						
MESD	\$3,270,729						
Centennial	\$4,617,500						
David Douglas	\$11,736,146						
Parkrose	\$5,579,479						
PPS	\$16,930,833						
Reynolds	\$4,040,313						

MESD							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Helensview (Sumner Building)	Geothermal	\$3,200,000	\$960,000	61,000	25,000	
Transportation Decarbonization	District	Facilities Dept Work Vehicles/Student Transport Vans (Electric) (qty 2-3)	\$230,000	\$69,000			
Staffing, engagement costs	All sites	Project Coordinator	\$156,000				
	Contingency	Contingency fund for up to 10% additional program costs	\$358,706				
	Indirect	Indirect Rate of 9% is MESD rate approved by ODE	\$355,023				
<b>Totals</b>			<b>\$4,299,729</b>	<b>\$1,029,000</b>			
<b>Amount Needed from PCEF</b>			<b>\$3,270,729</b>				

Centennial							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Oliver Middle School	Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction	\$2,250,000	\$100,000		35,000	
	Parklane Elementary School	Upgrade HVAC (Replace gas steam boiler with VRF or electric heat pumps) Including architects, engineering, and construction	\$2,220,000	\$100,000		30,000	
Green schoolyards							
Staffing, engagement costs	All sites	Project Management	\$112,792				
		Engagement Activities	\$50,000				
		Indirect 4%	\$184,708				
<b>Totals</b>			<b>\$4,817,500</b>	<b>\$200,000</b>			
<b>Amount Needed from PCEF</b>			<b>\$4,617,500</b>				

David Douglas							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Gilbert Park	Replace inefficient, older generation (more than ten years) boiler of current hydronic system. Upgrade fans and install Variable Frequency Drive (VFD), an electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install two security cameras as a building safety improvement.	\$7,531,500	\$4,189,646		Estimated Between 5,100 and 5,800 therms annually	
	Lincoln Park	Replace steam boiler original to building with hydronic system. Upgrade fans and install VFD electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install one security camera as a building safety improvement.	\$7,526,500	\$0		Estimated Between 5,100 and 5,800 therms annually	
	Earl Boyles	Replace steam boiler original to building with hydronic system. Upgrade fans and install VFD electrical device that will reduce fan motor speed and therefore reduce natural gas consumption. Install four security cameras as a building safety improvement.	\$7,541,500	\$7,077,431		Estimated Between 5,100 and 5,800 therms annually	
Green schoolyards							
Staffing, engagement costs	All 4 sites above	Indirect Costs at 3.44% (ODE approved rate for 23-24)	\$403,723	\$0			
Totals			\$23,003,223	\$11,267,077			
Amount Needed from PCEF			\$11,736,146				
Parkrose							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Prescott Elementary	Geothermal	\$3,100,000	\$930,000	70,222	13,006	
	Russell Elementary	Geothermal	\$2,600,000	\$780,000	90,720	11,739	
	Knott Creek (MHCC Headstart)	Window Replacement & Reduction	\$400,000		*modeling not complete		
	Knott Creek (MHCC Headstart)	Lighting Retrofit	\$40,000	\$5,000	*modeling not complete		
	Parkrose High School	Theater Lighting Conversion to LED	\$300,000	\$70,000	*modeling not complete		
Transportation Decarbonization	District	Facilities Dept Work Vehicles (Electric) (qty 5-6)	\$500,000	\$150,471			
Staffing, engagement costs	ALL	Project Coordinator	\$255,000				
	ALL	Parkrose overhead 4.5%	\$319,950.0				
Totals			\$7,514,950	\$1,935,471			
Amount Needed from PCEF			\$5,579,479				

PPS							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	School A	HVAC Replacement (Air-Source Heat Pumps, add cooling)	\$5,500,000			30,000	
	School A	Electric Heat Pump Water Heaters	\$196,000	\$1,100		1,000	
	School A	Window Replacement	\$3,000,000	\$53,500		2,000	
Green schoolyards	School A	Green Schoolyard Improvements	\$1,000,000				22,000
	School B	Green Schoolyard Improvements	\$1,000,000				22,000
	School C	Green Schoolyard Improvements	\$1,000,000				22,000
	School D	Green Schoolyard Improvements	\$1,000,000				22,000
	School E	Green Schoolyard Improvements	\$1,000,000				22,000
	Landscape Maintenance	\$60,000 x 5 schools	\$300,000				
Staffing, engagement costs	Green Schools Coordinator	.5 FTE Green Schools Coordinator @ \$75,000 (salary + fringe) x 5 years	\$375,000				
	Capital Project Manager	1 FTE Capital Project Manager @ \$165,000 (salary + fringe) x 5 years	\$825,000				
	CBO Contracts (garden programs, community engagement, etc)	\$20,000 x 5 schools for CBO contracts support green schoolyard improvements	\$100,000				
	Contingency	Contingency fund for up to 10% additional program costs	\$904,204				
		<b>SUBTOTAL</b>	<b>\$16,200,204</b>				
	Indirect	Indirect Rate of 4.51% is PPS rate approved by ODE	\$730,629				
Totals			\$16,930,833	\$54,600			
Amount Needed from PCEF			\$16,930,833				
Reynolds							
Project Category	Site	Project	ROM Cost	Matching Funds	Energy Savings (kWh)	Energy Savings (Therms)	Vegetation Planted (Square Footage)
Energy reduction, energy efficiency, and thermal comfort	Alder Elementary	Selective HVAC replacement (Replace 26 total 10 Seer units with the same number of 13-14 Seer units)	\$1,300,000		341,744 or 34%	2,912	
	Glenfair Elementary	Selective HVAC replacement (Replace 19 total 10 Seer units with the same number of 13-14 Seer units)	\$2,175,000		249,736 or 34%	2,128	
	Margaret Scott Elementary	Selective HVAC replacement (Replace 31 total 10 Seer units with the same number of 13-14 Seer units)	\$1,105,000	\$539,687	407,464 or 34%	3,472	
Green schoolyards							
Staffing, engagement costs	All Three Sites	Project Management and Soft Costs	125,000	125,000			
Totals		Includes 10% indirect	\$4,705,000	\$664,687			
Amount Needed from PCEF			\$4,040,313				
Grant total			\$46,175,001				

May 17, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
1221 SW Yamhill St, Suite 100  
Portland, OR

Dear PCEF Committee:

We are writing in support of the Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District co-application for the PCEF Collaborating for Climate Action funding

Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District are requesting \$46 million - \$100 million in funding for climate projects at Title 1 schools that qualify for PCEF grant allocations and have facilities improvement opportunities. The extent of each school's climate projects will vary slightly, but generally will include most of the following:


- Installing electric heat pumps that will add cooling, lower emissions, and improve indoor air quality for teachers and students;
- Installing building envelope improvements such as window replacements, sealing, and improved insulation.
- Working with school communities to design and install green schoolyard visions that will address inequitable heat island impacts and lower the need for cooling energy in school buildings while creating inclusive green spaces for students and the community to learn, play, and connect to nature

Cultivating comfortable learning environments is crucial to student and teacher wellbeing and student educational attainment. Green schoolyards can sequester carbon and lower energy demand for schools and surrounding buildings and connect students and the broader community to nature and hands-on learning opportunities.

Funding for these climate projects will have a major beneficial impact on the health and well being of our highest priority student populations and on our community at large. These

projects will also serve as usable community models for spaces that provide shade, play, equity, and resiliency to a variety of underserved neighborhoods around the Portland metro area. We urge you to support and fund this application.

Sincerely,



Zach Hudson,  
House District 49



Michael Dembrow,  
Senate District 23



Thuy Tran,  
House District 45



Hoa Nguyen,  
House District 48



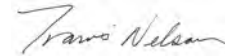
Elizabeth Steiner,  
Senate District 17



Khanh Pham,  
House District 46



Kayse Jama,  
Senate District 24



Travis Nelson,  
House District 44



Andrea Valderrama,  
House District 47



May 10, 2024

Portland Clean Energy Community Benefits Fund  
(PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave Suite 710  
Portland, OR 97201

Dear PCEF Committee,

We at the Coalition of Communities of Color (CCC), as longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the 'Collaborating for Climate Action' funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund (PCEF), the City of Portland, and the climate and justice visions and values of the communities we serve. We admire these organizations that educate the community and support our families, and CCC appreciates efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Please consider granting PCEF's Collaborating for Climate Action funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects. Thank you for your consideration.

Warm regards,

A handwritten signature in blue ink, appearing to read "Marcus C. Mundy", is written over a light blue circular stamp.

Marcus C. Mundy  
Executive Director  
Coalition of Communities of Color



May 17, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave Suite 710  
Portland, OR 97201

Dear PCEF Committee,

As longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, we are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the 'Collaborating for Climate Action' funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund, the City of Portland, and the climate and justice visions and values of the communities we serve. As organizations that educate the community and support our families, we appreciate efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Please consider granting PCEF's Collaborating for Climate Action funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects.

Thank you,

*350PDX*

*Bird Alliance of Oregon*

*Black Parent Initiative*

*Community Energy Project*

*Depave*

*Eco School Network*

*Elevate Oregon*

*Friends of Trees*

*Grow Portland*

*Growing Gardens*

*I Am We Advocacy*

*Lower Columbia Estuary Partnership*

*Neighbors for Clean Air*

*Our Streets*

*PPS Climate Crisis Response Committee*

*PUSH Movement*

*SAGE (Senior Advocates for Generational Equity)*



## Health Department

May 14, 2024

Portland Clean Energy Fund,

I'm writing in support of the grant applications the Centennial School District, David Douglas School District, Multnomah ESD, Portland Public Schools, Reynolds School District, and Parkrose School District are submitting related to school improvements that will impact the district's environmental footprints. Multnomah County encourages community partners in their effort to reduce energy consumption and utilize clean energy alternatives.

The Parkrose High School Student Health Center (SHC) has been a long term presence in the school providing healthcare, mental health counseling and behavioral health support to student success. The Health Department locates SHCs throughout the County based on underserved populations, free and reduced lunch rates and income level.

By providing in kind space within the high school allows the County to funnel its limited resources to operate the clinic on a year-around basis serving hundreds of adolescents who may not otherwise receive needed care and support.

Investing in the school buildings is key to providing a safe energy efficient environment for the entire community.

Sincerely,  
S. Bardi

Steven Bardi, Program Supervisor  
Student Health Centers  
Multnomah County Health Department  
10317 E Burnside St  
Portland, OR 97216



## LatinoNetwork

May 16, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave Suite 710  
Portland, OR 97201

Dear PCEF Committee,

As longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, we are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the 'Collaborating for Climate Action' funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund, the City of Portland, and the climate and justice visions and values of the communities we serve. As organizations that educate the community and support our families, we appreciate efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Please consider granting PCEF's Collaborating for Climate Action funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects.

Sincerely,



Tony DeFalco  
Executive Director

May 10, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave Suite 710  
Portland, OR 97201

Dear PCEF Committee,

As longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, we are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the 'Collaborating for Climate Action' funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund, the City of Portland, and the climate and justice visions and values of the communities we serve. As organizations that educate the community and support our families, we appreciate efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Please consider granting PCEF's Collaborating for Climate Action funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects.

Thank you,

A handwritten signature in black ink, appearing to be 'Lee Po Cha', written in a cursive style.

Lee Po Cha, The Immigrant and Refugee Community Organization (IRCO)

May 10, 2024

City of Portland Bureau of Planning and Sustainability  
1810 SW 5th Ave., Suite 710  
Portland, Oregon 97201

To whom it may concern,

On behalf of Energy Trust of Oregon, I am pleased to support the Letter of Intent from Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District and Reynolds School District to apply for the Collaborating for Climate Action funding opportunity.

Energy Trust is an independent nonprofit organization dedicated to helping 2.4 million utility customers and communities in Portland and across the state invest in and benefit from energy efficiency and clean, renewable power. We provide cash incentives and services to help utility customers and community leaders make improvements to save energy, benefit from renewable power, and manage energy costs. We collaborate closely with local nonprofits, community-based organizations, and a network of skilled contractors, installers, and builders through our Trade Ally Network.

To help deliver on this mission, Energy Trust works with school districts across the state on building projects that support energy efficiency, reduce climate impacts and promote community resilience. In our experience, projects that achieve these outcomes can also improve the learning environment, improve health and safety and bring other community benefits. We look forward to seeing how the school districts listed above will work to achieve these outcomes.

Thank you,

A handwritten signature in black ink, appearing to read "Lizzie Rubado", is enclosed in a light gray rectangular box.

Lizzie Rubado  
Director, Innovation and Development  
Energy Trust of Oregon

421 SW Oak St, Suite 300  
Portland, Oregon 97204  
[www.energytrust.org](http://www.energytrust.org)

May 13, 2024

Dear Grant Funder,

As the Executive Director of Schoolhouse Supplies, I am enthusiastically writing this letter in support of the Centennial School District, David Douglas School District, Multnomah ESD, Portland Public Schools, Reynolds School District, and Parkrose School District and the work they are doing to improve their school facilities.

Schoolhouse Supplies is a nonprofit that provides free school supplies to underserved students in public schools in the Portland, Oregon metropolitan area. Our facility is located in the Parkrose neighborhood of Portland and we serve students in all of these districts' schools. For 24 years our mission has focused on filling the opportunity gap for the most underserved students and their teachers in our community.

The Parkrose School District has been a great program partner, a great neighbor and a kind and generous event venue. Schoolhouse Supplies relies on the District's fee waiver to allow us to host one of our signature events in an accessible and attractive space. Without this support, we would compromise the quality and accessibility of the event, possibly serve fewer students and teachers, and our fundraising dollars would not stretch as far. In fact, it is the investment in the form of the fee waiver from a large institutional partner like the Parkrose School District that signals to some of our own grant funders and business partners that Schoolhouse Supplies is worth supporting.

Obviously the work of the Parkrose School District, and all of the other districts, is invaluable – but so is the way they work with their partners and the way they approach the work of their district. They are strategic and thoughtful and good stewards of their funds and facilities.

If I can be of any further assistance as you make your decision, please do not hesitate to contact me. On behalf of the Board of Directors, the staff, and the community volunteers of Schoolhouse Supplies, I thank you for supporting these districts as they work to support students and community.

Sincerely,



Alice Forbes  
Executive Director, Schoolhouse Supplies  
(503) 249-9933  
[alice@schoolhousesupplies.org](mailto:alice@schoolhousesupplies.org)



[/schoolhousesupplies](https://www.facebook.com/schoolhousesupplies)



[@pencilpete](https://twitter.com/pencilpete)



[@schoolhousesupplies](https://www.instagram.com/schoolhousesupplies)

Bike First!  
4811 NE Shaver Circle  
Portland, OR 97213  
bikefirst.net

May 15, 2024

To Whom It May Concern,

Bike First! is an annual summer camp that teaches children and youth with disabilities the skills to ride traditional two-wheel bicycles independently for transportation, health, and recreation. Our unique approach has allowed over 650 people to succeed over the past 19 years, changing their lives positively in many ways. Every person who has worked for Bike First! with this marginalized and underserved population finds their life has also changed. They become sensitive to inclusion and develop the belief that people with even severe disabilities can achieve challenging tasks.

Our registration fees cover only a tiny portion of the actual expenses of running Bike First!. We purposefully keep the registration fee low to encourage participation and spend countless hours fundraising. Access to a gymnasium and track for six consecutive days is essential to running Bike First!. Should we have to pay, the cost would be overwhelming for our meager budget. We spent many hours last year seeking a facility and coming up empty. Imagine our relief when the Parkrose School District came to our rescue, offering us not only their high school gym and track but also custodial services, free of charge. When the high school was not available this year, they graciously offered us the use of their beautiful middle school. We cannot express how precious this donation is to Bike First! and how grateful we are that they are able to support our worthy cause.

The Centennial School District, David Douglas School District, Multnomah ESD, Portland Public Schools, Reynolds School District, and Parkrose School District are seeking funding to ensure their facilities have modern, energy-saving features as they look toward the future in an environment that continually underfunds schools. By supporting their infrastructure improvements, grant funding will help ensure they can afford to host programs like Bike First!. Parkrose clearly believes that community-based schools serve far more than just the children enrolled. Their holistic approach is exactly what we need more of in this nation.

We anticipate the application for funding from the Parkrose School District will be compelling. We hope the greatest consideration will be given to funding these dynamic, community-minded, forward-looking school districts.

Sincerely,

Ann Donaca

Director & Founder

Bike on! Because Inclusion Matters

May 13, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave Suite 710  
Portland, OR 97201

Dear PCEF Committee,

As longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, we are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the 'Collaborating for Climate Action' funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund, the City of Portland, and the climate and justice visions and values of the communities we serve. As organizations that educate the community and support our families, we appreciate efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Please consider granting PCEF's Collaborating for Climate Action funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects.

Thank you,



Jamie Vandergon, CEO of Trillium Family Services

3415 SE Powell Blvd  
Portland, OR 97202  
T 503.234.9591  
F 503.205.0188

May 16, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave., Suite 710  
Portland, OR 97201

Dear PCEF Committee,

As longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, we are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the *Collaborating for Climate Action* funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund, the City of Portland, and the climate and justice visions and values of the communities we serve. As organizations that educate the community and support our families, we appreciate efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Thank you for considering our support for these projects. Please consider granting PCEF's *Collaborating for Climate Action* funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects.

Sincerely,



Judy Strand, CEO  
Metropolitan Family Service



To Whom This May Concern,

I am writing to express our strong support for Centennial School District, David Douglas School District, Multnomah ESD, Portland Public Schools, Reynolds School District, and Parkrose School District's grant application for school improvements and reducing their environmental footprints. As the Program Director of Camp Rosenbaum, a community-building nonprofit, I can attest to the critical role Parkrose School District plays in the success of our Rosenbaum PPB Youth Camp, which serves low-income youth by providing them with life-enhancing opportunities.

One of our main programs is the Rosenbaum PPB Youth Camp which is a low-cost camp offered for one week at the end of June at Parkrose High School and Parkrose Middle School. This week-long day camp is for youth, ages 8-14, who live in the Portland metro area. The camp unites local police officers and high school and college coaches to offer a unique experience for our community's youth. Officers and coaches work with campers to develop specific skills and foster good sportsmanship! This camp serves roughly 200 campers each year in just one week.

Camp Rosenbaum relies heavily on private and corporate donations to fund our operations. One of the key factors that allows us to effectively run our programs within budget is the support we receive from Parkrose High School's reduced rental rates. The majority of our campers qualify for the free and reduced lunch program so our costs to families are extremely low allowing them to attend. The reduced rental rate is essential as it allows us to keep the camp affordable for families, many of whom would not be able to participate if additional fees were imposed.

If the reduced rental rates were to be discontinued due to budget shortfalls, it would have a significant negative impact on our ability to run the camp. We would face increased operating costs, which would likely necessitate raising participation fees or cutting back on essential services. This could result in fewer campers being able to attend, particularly those from the most vulnerable communities who benefit the most from our programs. Furthermore, the reduced capacity to serve our campers would diminish the overall impact of our mission to empower and inspire youth through mentorship and service.

The continuation of the reduced rental rate program is not only vital for the needs of our campers but also for the financial viability and sustainability of our camp. It helps break the negative feedback loop of higher operating costs and lower revenues, ensuring that we can continue to serve the community effectively.

In addition, schools serve as community hubs, and investments in their infrastructure can build resilience and cohesion within the community. Upgraded facilities can be utilized for various community activities and programs, fostering a sense of belonging and collaboration among residents. Schools that are resilient in the face of environmental and economic challenges can

provide continuity and support for families, especially during times of crisis.

Supporting Parkrose High School's efforts to improve its infrastructure and reduce its environmental impact is not just an investment in the school itself but in the entire community it serves. It demonstrates a commitment to creating a sustainable, thriving environment where students and families can flourish. These strategic investments are essential for building community resilience, ensuring that the school can continue to be a pillar of support and inspiration for future generations.

We urge you to consider the profound impact that your support has on organizations like Camp Rosenbaum and the many children and families we serve. Improvements for Parkrose High School are crucial for fostering positive community development and providing life-changing opportunities for our youth.

On behalf of the children we serve, thank you for your consideration!

Sincerely,  
Crystal Kroeller  
Program Director



May 10, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
Bureau of Planning & Sustainability  
1810 SW 5th Ave Suite 710  
Portland, OR 97201

Dear PCEF Committee,

As longtime partners and supporters of Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District, we are excited to sign this letter in support of the school districts' collective Letter of Intent to apply for the 'Collaborating for Climate Action' funding opportunity.

We support the proposed climate projects that will reduce or sequester carbon emissions, create meaningful economic opportunities, and enhance our city's resilience to climate change. We believe they are in alignment with the goals of the Portland Clean Energy Fund, the City of Portland, and the climate and justice visions and values of the communities we serve. As organizations that educate the community and support our families, we appreciate efforts to reduce carbon emissions at the collective school districts, which also creates positive impacts on the school staff and learning opportunities of students. These school districts are collectively planning a suite of projects that are crucial to the success of students, staff and school communities in not only addressing the impacts of climate change, but also improving health and safety.

This is an enormous opportunity to fund intentional, strategic investments in school buildings and community resilience and to help meet the goals of both PCEF and the PPS Climate Crisis Response Policy. Please consider granting PCEF's Collaborating for Climate Action funds to Centennial School District, David Douglas School District, Parkrose School District, Portland Public Schools, Multnomah Education Service District, and Reynolds School District projects.

Thank you,

Sharon Juenemann, The Shadow Project

Ian Barreto  
Camp and Recreation Director  
Easterseals Oregon  
237 NE Broadway, Suite 100  
Portland OR 97232  
ibarroto@or.easterseals.com  
971-706-4060  
5/13/24

To Whom It May Concern,

I am writing on behalf of Easterseals Oregon to express our enthusiastic support for the Parkrose School District's application for grant funding. As a non-profit organization dedicated to serving children and adults with disabilities and special needs and other vulnerable Oregonians, we have been profoundly impacted by our partnership with Parkrose School District.

Parkrose School District has played a crucial role in enabling Easterseals Oregon to launch and sustain a new day camp specifically designed for children with disabilities. Through their generous discounted and donated building rentals and site access, Parkrose has provided us with the means to establish a program that offers invaluable experiences for our campers. Their support has not only allowed us to successfully run this camp but has also enabled us to expand our reach by opening additional locations throughout Oregon.

The intentional updates Parkrose School District has made to their buildings have been instrumental in ensuring increased accessibility and inclusion for the populations we serve. These updates have allowed us to create a safe, welcoming, and accommodating environment for our campers, ensuring that every child, regardless of their abilities, can fully participate and benefit from our programs. The funding to continue these vital updates would be impactful in allowing even more access and inclusivity within the district and keep students, campers, families, faculty, and staff safer, as well.

We wholeheartedly endorse Parkrose School District's application for grant funding and believe that the continued support will enable them to further enhance their facilities and expand their positive impact on the community. Their commitment to accessibility and inclusion aligns with our mission. Thank you for considering this letter of support. We look forward to continuing our partnership with Parkrose School District and witnessing the ongoing benefits of their dedicated efforts to serve our community.

*Sincerely,*

Ian Barreto (he/him)  
Camp and Recreation Director  
Easterseals Oregon

5/15/24

To Portland Clean Energy Fund,

Our Non Profit, Crush Athletics strongly supports the proposal from Centennial School District, David Douglas School District, Multnomah ESD, Parkrose School District, Portland Public Schools, and Reynolds School District. Crush Athletics has partnered with the Parkrose school district for over 15 years. Through that partnership, and their willingness to allow us to use their facilities at a reduced rate, we have been able to serve over 1,000 local families at the Parkrose pool. This includes school swim lessons, summer lessons, recreational swimming, lap swimming for all ages, Lifeguard classes, competitive swim teams for all ages, competitive water polo for all ages along with a few other groups from the area that use the facilities. Without the discounted rates provided none of this would be possible!

Through their support of the listed programs, we have seen firsthand how the opportunity just to be involved at the pool has changed the trajectory of these kids and their families lives. These kids went from maybe graduating high school to striving for academic or athletic scholarships because they are now part of something bigger than they are. This has been one of the most important things that I have witnessed through our partnership with the district.

Another thing that has happened is that we have been able to employ over 100 kids over the years. They have been lifeguards, swim instructors, supervisors, coaches and volunteers. With that opportunity, they have learned life skills from a young age, while literally saving people's lives through teaching them how to swim! I don't think they truly understand what they are doing in the long term but hopefully someday they will.

In closing, I feel very fortunate to be part of this community from 4<sup>th</sup> grade until now. Parkrose has never waivered on wanting to support and build community over the years and continues today with the leadership of Superintendent Michael Sereno-Lopes. I know without a shadow of a doubt that with the grant money provided, they can continue to do great work for our community that otherwise is very underserved in this area.

Gary Muzzy  
Crush Athletics President  
Blue Crush Aquatic Club Head Coach

To Whom it May Concern,

We are a Head Start program with Mt. Hood Community College. We have sites throughout East Multnomah County and one of our larger sites is at Knott Elementary. Head Start programs support eligible families and children and our program serves pregnant parents and children through age 5. Our program serves primarily low-income families which include children in foster care and families experiencing houselessness. We partner with families to support children's growth and development through our early education services that include both home-based and center-based options. Our family advocates collaborate with families on goals and accessing resources. Many of our parents take classes at Mt. Hood Community College to achieve educational and professional goals.

I believe efforts to reduce carbon emissions at the Parkrose School District would create positive impacts on school staff and learning opportunities for students in our program. As educators, we prioritize children, their present and their future. Reducing carbon emissions aids in reducing the negative impacts of climate change that will present challenges to this current generation. These changes will also offer opportunities for families to learn about reducing carbon emissions at school and home.

It is important to fund intentional and strategic investments in school buildings to decrease schools' carbon footprint and build community resilience. The majority of students in Multnomah County are educated in old and out-of-date buildings, including Knott Elementary, that are energy inefficient and often challenging to heat in winter or cool in summer. Schools are often strapped for funds and having more energy efficient schools would cut utility costs and benefit our environment. These extra funds could be allocated towards educational services and materials to better support students.

I hope that you will seriously consider awarding the grant to Centennial School District, David Douglas School District, Multnomah ESD, Portland Public Schools, Reynolds School District, and Parkrose School District as this will benefit our students and families, now and in the future.

Carrie Schulz  
Associate Director of Operations and Licensing  
Child Development and Family Support Programs  
Mt. Hood Community College

May 15, 2024

Portland Clean Energy Community Benefits Fund (PCEF)  
1221 SW Yamhill St, Suite 100  
Portland, OR

Dear PCEF Committee:

We write to lend our support to the proposal from the following school districts for funding through the Collaborating for Climate Action grant: Centennial, David Douglas, Parkrose, Portland Public, Multnomah ESD, and Reynolds. Many of the school buildings in these districts are outdated and in need of significant improvements. For example, there are buildings operating gas boilers near the end of their anticipated life and many buildings with older windows or otherwise lacking proper weatherization measures.

There are many steps schools could be taking to improve their energy efficiency and as well as the thermal comfort level of staff and students. However, we know that equipment and construction costs can be a barrier to such improvements, especially with today's supply chain costs. Largely reliant upon voters to approve bonds to pay for facilities work, districts have, understandably, largely focused on their most pressing/immediate needs in recent facilities work. A targeted funding allocation like this will allow school districts to focus on and prioritize work that might not otherwise be covered by the districts' limited funds.

There are myriad benefits to this type of work for both the districts as well as the constituencies they serve. Transitioning to more energy efficient heating systems could see long term cost savings for districts in addition to a reduction in greenhouse gas emissions. The addition of cooling and air filtration to buildings would mitigate the impact of climate change and crises like wildfires on classroom comfort and student learning.

This potential allocation would give school districts across Portland the ability to make significant, forward-looking investments in the buildings where children spend the bulk of their days. We know this work is important for the longevity of our buildings and the health of our communities. We support this proposal from the school districts and stand ready to partner in the implementation of these critical projects

Thank you,

Don Gamiles  
CEO  
Argos Scientific

Dale Silha  
Regional Vice President of Energy Services  
McKinstry

# Soderstrom Architects

May 16, 2024

RE: **Letter of Support – Oregon School Districts**

Centennial School District, David Douglas School District, Multnomah ESD,  
Parkrose School District, Portland Public Schools and David Douglas School District  
Portland Clean Energy Community Benefits (PCEF) Grant Application

To Whom It May Concern,

I am writing in support of the Portland Clean Energy Community Benefits (PCEF) grant application for the for fiscal year 2025 for the Centennial School District, David Douglas School District, Multnomah ESD, Parkrose School District, Portland Public Schools and David Douglas School District.

As the president of a 40-person architecture firm in Portland, I lead all of our K12 projects and we are currently working with most of these districts, including Centennial, Parkrose, Reynolds, and David Douglas. Additionally, I am a graduate of Portland Public schools and have lived in Parkrose for over 20 years, with both my children graduating from Parkrose High School.

In my role as an education designer and state-certified assessor, I have witnessed firsthand the extremely high level of need across all districts to improve their buildings and systems. Many buildings are over 50 years old, with quite a few closer to 75 or more years of age. System upgrades have occurred, but all are still in need of more work. The needed work is too large in scale to accomplish with operating funds. This grant will be used to make upgrades at many of their highest need buildings, focusing on mechanical, electrical and plumbing systems, as well as exterior envelope and roofing improvements.



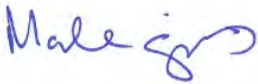
Some of the improvements are anticipated to have the following direct positive impacts:

- **Improved Learning Environments:** Classrooms with stable temperatures allow students to learn with the least distractions.
- **Increased Safety and Security:** Exterior lighting will help the sites and neighborhood feel safer.
- **Overall Energy Efficiency and Sustainability:** Newer, more efficient equipment will help reduce both environmental impacts and utility bills.

Our overall goal of keeping students warm, safe and dry aligns well with the PCEF goals, and much of the work under this grant will have an immediate positive impact on the students and teachers who occupy these buildings every day.

I have personally witnessed these districts maintain a focus on the students, while also being fiscally responsible and developing a high amount of trust in the community. As an East side Portland resident, Parkrose parent, and educational architect, I throw my full support behind this grant and ask for your support as well.

Sincerely,

A handwritten signature in blue ink that reads "Marlene Gillis". The signature is written in a cursive, flowing style.

Marlene Gillis, AIA, ALEP, LEED AP, CCS  
ODE-Certified Building Assessor  
President, Soderstrom Architects, Ltd.