

PCC's 2021 Climate Action Plan: Resiliency, Equity and Education for a Just Transition

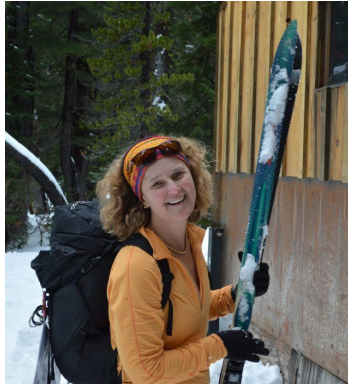
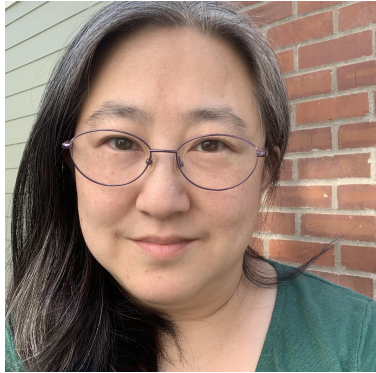
PCC IS UPDATING ITS CLIMATE ACTION PLAN!



March 24, 2021



CAP Leadership Team



PCC Land Acknowledgement

The campuses and centers of Portland Community College rest on the traditional village sites of Multnomah, Kathlamet, and Clackamas bands of the Chinook, Tualatin Kalapuya, Molala and many other tribes who made their homes along the Columbia River. Multnomah is a band of Chinooks that lived in this area.

We thank the descendants of these tribes for being the original stewards and protectors of these lands since time immemorial. We also acknowledge that Portland, OR has one of the largest Urban Native American populations in the U.S. with over 380 federally recognized tribes represented in the Urban Portland Metropolitan area. We also acknowledge the systemic policies of genocide, relocation, and assimilation that still impact many Indigenous/Native American families today.

We are honored by the collective work of many Native Nations, leaders and families who are demonstrating resilience, resistance, revitalization, healing and creativity. We are honored to be guests upon these lands. Thank you, and thanks also to our colleagues at Portland State University Indigenous Nations Studies Program for crafting this acknowledgement.





Today's Goals

1. Provide an overview to the Climate Action Plan Updates process
2. Share the high-level goals of the 2021 Climate Action Plan
3. Receive confirmation and strategic advice from the Cabinet on implementation



Today's Agenda

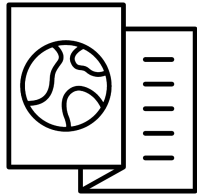
1. Welcome & Introductions
2. Overview of the CAP Update
3. Recap of work to date
4. Q&A
5. Request for feedback
6. Summary and next steps



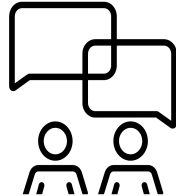
Scope of the CAP Update



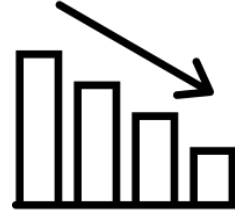
CAP Update Process Goals



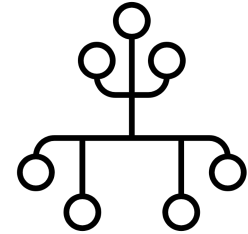
Update our
district-wide
Climate Action
Plan



Center equity and
foster inclusive
community
engagement



Use science
based targets for
greenhouse gas
emissions
reduction



Align with local
and broader
climate action
goals



Scope of CAP Focus Areas



EQUITY GUIDE & TOOLS FOR AN EQUITABLE PROCESS

SCOPE 1 & 2 EMISSIONS



Energy Reduction

Renewable Energy

Fleet Fuel Emissions Reduction

SCOPE 3 EMISSIONS



Sustainable Transportation and Travel

Sustainable Procurement

Water Reduction

Waste Diversion

EDUCATION & OUTREACH



Sustainability and Climate Justice Curriculum

Outreach and Engagement

Community Connection

RESILIENCY



Assessment

Support and Resources

Energy Resiliency

Ecological Health and Well-being

Alignment and Planning



Science-Based Targets for Greenhouse Gas Reduction



UPDATES COMMITMENT: *PCC to be Carbon Neutral by 2040*



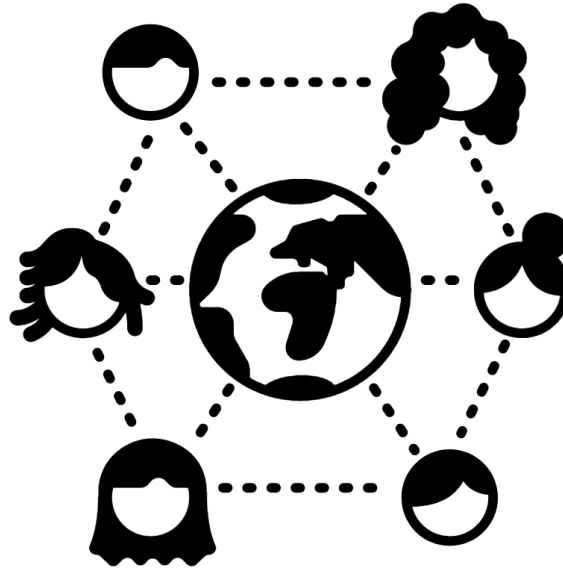
Centering Equity



Acknowledge inequities



Foster place-based equity



Support equitable student success



Prioritize marginalized voices



Advance social justice

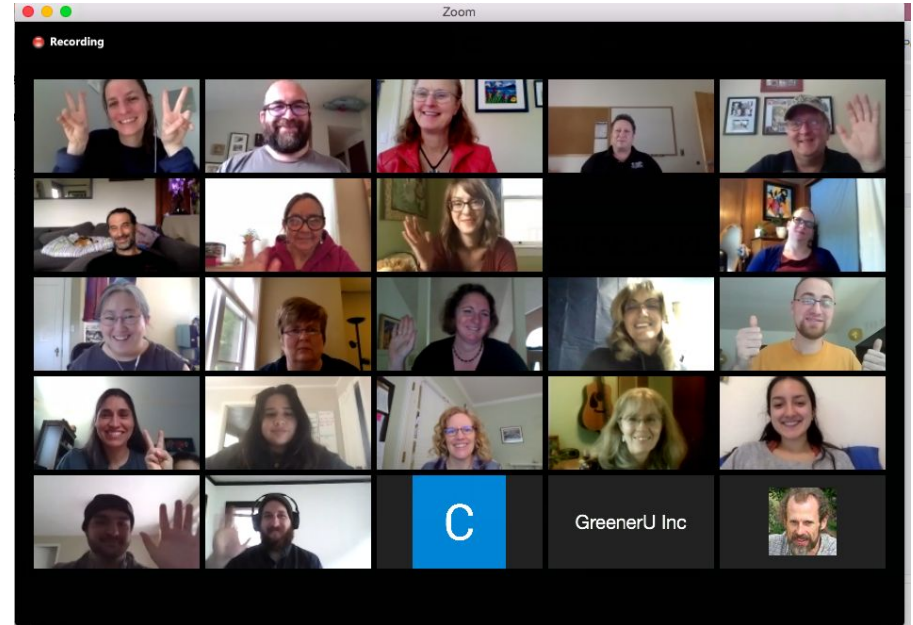


CAP Update Engagement Process



Engagement Overview

Held **12** listening sessions, **652** survey responses, **10** student classes, **60+** team members in the Climate Action Task Force across **25** departments, **2** social justice trainings



5 P's for Equity

Purpose



Power



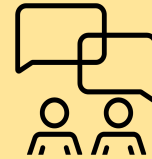
Place



Process



People



Place

Foster place based equity, including intercampus equity



How does this foster place-based equity?

Resources: How have resources and investments been historically distributed in a process like this? How have resources and investments been historically distributed in a process like this?

Impacts: What financial, social, cultural, and/or environmental impacts should be considered in our strategies?

- How have local authorities (the City of Portland, Multnomah County, schools and other institutions) invested in green space, public transportation, reduced cost housing, creating an inclusive space, etc?
- Are **pollution and poverty** equitably distributed within the city (people and place)?
- What might this project do to mitigate or reverse those impacts?
- What cultural and social circumstances are relevant in this neighborhood?







Accessibility: Are the benefits of the proposed action broadly accessible to the college community — particularly communities of color, low-income students and staff, and folks with varying degrees of ability?



PCC Equity & Empowerment Guide for Climate Action


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Reduce Carbon Emissions from Commuting









0 No way.	1 Serious reservation	2 Some concern	3 Support the idea	4 Like the idea	5 Absolutely, yes!
	Some folks have to drive - have childcare and jobs to get to.		Want more info		
	Doesn't align with equity guide.	Gentrification in Portland is making people live further away from public transit - inequitable and does not improve accessibility of education	I have no criteria on which to evaluate this goal	Is it feasible?	Sounds Great, I am not knowledgeable enough to know if it is feasible
<p>Goal: Ban on all single occupancy passenger vehicles commuting to campus. This would not apply to carpooling or motorcycles.</p>					

Briar Schoon & Stephanie Fregosi | Portland Community College | October 2020



We're all in this together.
pcc.edu/sustain

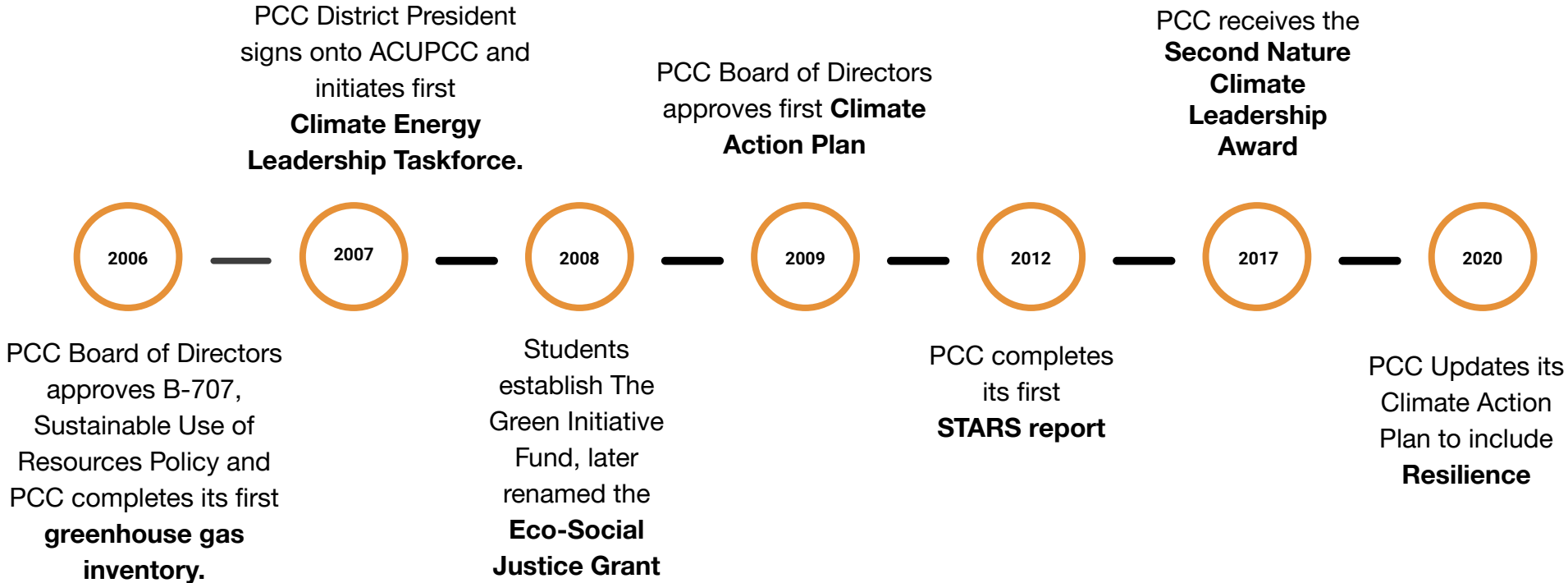




Building on our Success

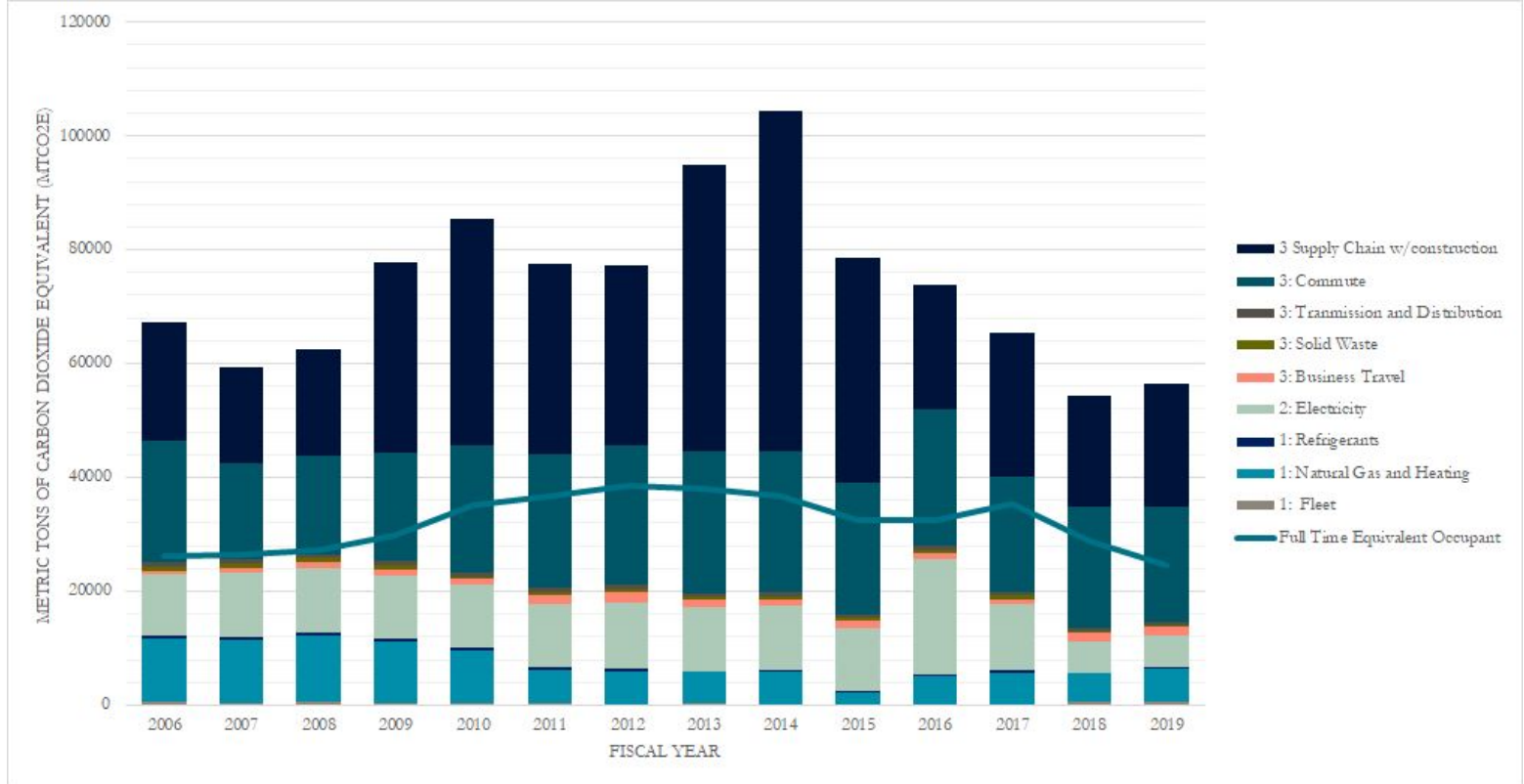


PCC Climate Action Timeline





PCC Greenhouse Gas Emission Over Time



Outcomes: Mission, Vision, and Values for PCC Climate Action



PCC Vision for Climate Action

PCC envisions an equity-focused transition to a resilient, thriving society with net-zero greenhouse gas emissions that addresses historical injustices, through education and empowering a diverse community to engage in climate action.

PCC Mission For Climate Action

PCC provides climate education, green workforce development, carbon neutral operations, and advances collective action to confront the global climate crisis in support of a Just Transition.



PCC Climate Action Values

PCC believes...

1. **Planning for the future is critical for student success.** We will prepare our grounds, facilities, and operations for a changing climate.
2. **Education is a human right.** We will apply integrative learning strategies to empower students, staff, and faculty to adapt to and thrive in a changing environment.
3. **Everything is connected.** We will continue to use the college as living laboratories where PCC and the community can be engaged in stewardship and research sustainability solutions.
4. **Success requires equity.** We will actively use social justice and equity frameworks to center those impacted most in creating climate and sustainability solutions.
5. **Our responsibility to our community goes beyond the college's doors.** We will root climate action in our bioregion in the Pacific Northwest, while ensuring that we reduce our global carbon footprint.
6. **We can go further together.** We will work collaboratively with our community and other stakeholders to support sustainability leadership development and a green workforce.
7. **A just transition is imperative.** We will address historical injustices with restorative, place-based climate action to uplift and empower our diverse community



Outcomes: Proposed Goals and Strategies





Scope 1 & 2 Focus Area Goals

Energy Reduction

Goal 1

By 2026, PCC has reduced college energy consumption per square foot by 60% below 2006 levels.

Renewable Energy

Goal 2

By 2026, PCC has reduced its scope 1 and 2 greenhouse gas emissions by 75% below 2006 levels, through decarbonization of its energy sources.

Fleet Emissions Reduction

Goal 3

By 2026, PCC has reduced college fleet fuel emissions by 25% below 2006 levels.





Scope 1 & 2 | Goal 1 | Energy Reduction

By 2026, PCC has reduced college energy consumption per square foot by 60% below 2006 levels.

Strategy 1.1 Ensure new construction and renovation projects reduce energy consumption by 20% above the ASHRAE 90.1-2016 standard.

Strategy 1.2 Reduce energy use in existing buildings through efficient maintenance and operations programs.

Strategy 1.3 Increase space use optimization through software and training.

Strategy 1.4 Reduce energy use through behavior change programs.





Scope 1 & 2 | Goal 2 | Renewable Energy

By 2026, PCC has reduced its scope 1 and 2 greenhouse gas emissions by 75% below 2006 levels, through decarbonization of its energy sources.

- Strategy 2.1** Generate 5% of PCC's electricity onsite from renewable energy sources.

- Strategy 2.2** Obtain 80% of PCC's electricity from non-grid renewable energy sources.

- Strategy 2.3** Decarbonize the thermal load of the buildings.

- Strategy 2.4** Create opportunities to use renewable resources for PCC's thermal energy load.

- Strategy 2.5** Add renewable energy to each campus to support equitable access to climate justice education.

- Strategy 2.6** Engage students, staff, and faculty in determining the appropriate mix of energy sources for PCC's commitment to decarbonization





Scope 1 & 2 | Goal 3 | Fleet Fuel Emissions

By 2026, PCC has reduced college fleet fuel greenhouse gas emissions by 25% below 2006 levels.

Strategy 3.1 Replace college fleet with lower-emission infrastructure and electric vehicles.

Strategy 3.2 Replace gas or diesel-powered shuttles with electric shuttles or other emerging technologies.

Strategy 3.3 Expand and update PCC's fueling infrastructure to support strategies 3.1 and 3.2. for motorized vehicles.

Strategy 3.4 Create bulk-buying opportunities with partners for low emission/net zero vehicles, procurement of alternative fuels, and infrastructure.





Scope 3 Focus Area Goals

Sustainable Transportation and Travel

Goal 1

By 2026, PCC has reduced commuter and business travel greenhouse gas impacts per full time equivalent traveler by 20% below the 2006 baseline.

Sustainable Procurement

Goal 2

By 2026, PCC purchaser and vendor contracts align with PCC's diversity, equity and inclusion, sustainability, and climate action goals and values to ensure long-term viability of our enterprise.

Water Reduction

Goal 3

By 2026, PCC has reduced the college's water consumption per square foot of building space by 10% below 2019 levels.

Waste Diversion

Goal 4

By 2026, PCC has reduced greenhouse gas emissions from solid waste by 50% below 2006 levels.





Scope 3 | Goal 1 | Sustainable Transportation and Travel

By 2026, PCC has reduced commuter and business travel greenhouse gas impacts per full time equivalent traveler by 20% below the 2006 baseline.

- Strategy 1.1** Improve data tracking for commuting and business travel to inform agile decision making.
- Strategy 1.2** Support a college culture that allows for a reduction in single occupancy vehicles traveling to campus through teaching, learning, and technology innovations.
- Strategy 1.3** Improve user experience of low-emission modes of transportation for the college to remove barriers of participation and support equitable access.
- Strategy 1.4** Develop low-carbon travel guidelines for students, staff and faculty to follow when traveling for PCC-related purposes.
- Strategy 1.5** Establish a carbon offset program for commuting and business travel greenhouse gas emissions.





Scope 3 | Goal 2 | Sustainable Procurement

By 2026, PCC purchaser and vendor contracts align with PCC's diversity, equity and inclusion, sustainability, and climate action goals and values to ensure long-term viability of PCC's enterprise.

- Strategy 2.1** Encourage vendor and purchaser alignment with PCC's diversity, equity, and inclusion, sustainability and climate action goals and values, as applicable.
-
- Strategy 2.2** Support the college's spending with under-represented firms (including Minority, Women, and Emerging Small Businesses) to diversify the college's partnerships in support of equity.
-
- Strategy 2.3** Continue working with partners on sustainable purchasing standards and tracking of the associated greenhouse gas emissions to support data-informed continuous improvement.
-
- Strategy 2.4** Increase PCC community use of the social cost of carbon in decision making.





Scope 3 | Goal 3 | Water Reduction

By 2026, PCC has reduced the college's water consumption per square foot of building space by 10% below 2019 levels.

Strategy 3.1 Analyze water systems impacts that will identify data-informed opportunities for water quality improvements, use-savings, and greenhouse gas reductions.

Strategy 3.2 Develop a college water conservation plan to build a framework for implementation.

Strategy 3.3 Implement the strategies from the water conservation plan to expand sustainable operations.

Strategy 3.4 Start to assess virtual water impacts of college operations.





Scope 3 | Goal 4 | Waste Diversion

By 2026, PCC has reduced greenhouse gas emissions from solid waste by 50% below 2006 levels.

- Strategy 4.1** Expand the capacity of PCC to minimize waste by prevention and recycling at each campus.
- Strategy 4.2** Support infrastructure and programs that increase the use of reusable (or durable) items across the college.
- Strategy 4.3** Improve data tracking across all waste streams to inform agile decision making.
- Strategy 4.4** Improve waste diversion efforts in construction projects, in line with PCC Design Standards.





Education & Outreach | Goals

Sustainability and Climate Justice Curriculum

Goal 1

By 2026, all students are supported and encouraged to engage with sustainability and climate justice education through student-centered curricular and co-curricular offerings that are equity-conscious.

Outreach and Engagement

Goal 2

By 2026, the college community is supported with outreach and engagement opportunities to develop the skills, knowledge and practices necessary to lead a life active in sustainability and climate justice.

Community Connection

Goal 3

By 2026, PCC is an anchor institution to advance sustainability and climate justice in the broader community, with a focus on engagement with Black, Indigenous and People of Color-led initiatives and frontline community priorities.





Education & Outreach | Goal 1 | Sustainability and Climate Justice Curriculum

By 2026, all students are supported and encouraged to engage with sustainability and climate justice education through student-centered curricular and co-curricular offerings that are equity-conscious.

- Strategy 1.1** Expand sustainability and climate justice-related curricular offerings, with a focus on high enrollment courses and an equitable approach to diversifying student, program and discipline representation.
- Strategy 1.2** Increase institutional awareness of and support for existing sustainability and climate justice curricular and co-curricular offerings.
- Strategy 1.3** Ensure all sustainability and climate justice curricular offerings are culturally responsive and support anti-racist pedagogies.
- Strategy 1.4** Support workforce development in sustainability and climate justice fields to usher in a new generation of professionals meeting industry and community needs.





Education & Outreach | Goal 2 | Outreach & Engagement

By 2026, the college community is supported with outreach and engagement opportunities to develop the skills, knowledge, and practices necessary to lead a life active in sustainability and climate justice.

- Strategy 2.1** Provide accessible and inclusive mentoring, networking and professional development opportunities for students to cultivate the next cohort of sustainability and climate justice practitioners.
- Strategy 2.2** Expand culturally responsive sustainability and climate justice outreach and engagement offerings across the college, with a focus on diversifying participation, voices and collaborators.
- Strategy 2.3** Increase engagement and participation in current sustainability and climate justice events and initiatives across the college.
- Strategy 2.4** Enhance awareness of operational sustainability initiatives, including how students, staff and faculty impact and can engage with these efforts.





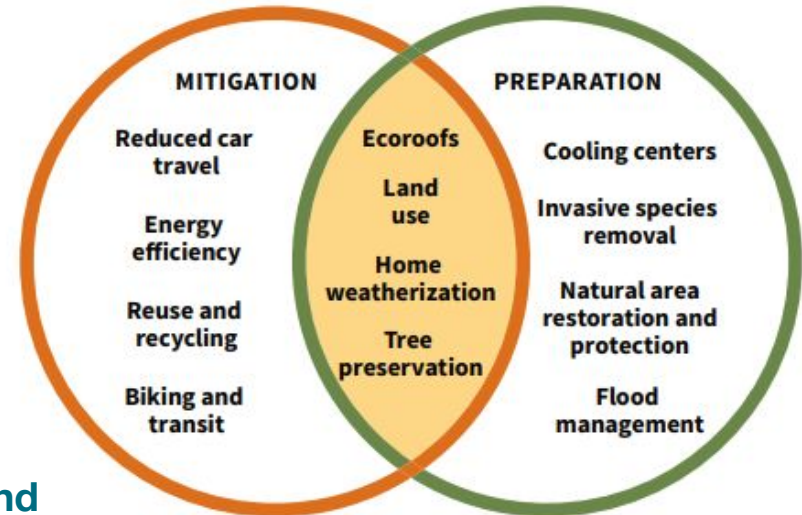
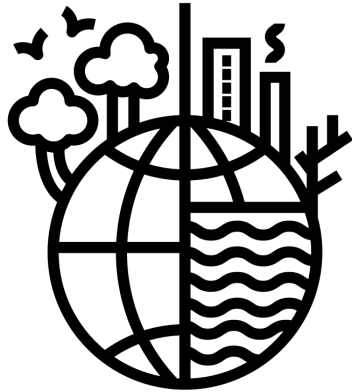
Education & Outreach | Goal 3 | Community Connection

By 2026, PCC is an anchor institution to advance sustainability and climate justice in the broader community, with a focus on engagement with Black, Indigenous and People of Color-led initiatives and frontline community priorities.

- Strategy 3.1** Strengthen existing partnerships between PCC and local sustainability and climate justice organizations, ensuring the benefits center those most impacted, including frontline and vulnerable communities.
- Strategy 3.2** Build new partnerships to support and promote local BIPOC community-led sustainability and climate justice efforts.
- Strategy 3.3** Use PCC training programs and other college resources to empower the local community in advancing sustainability and climate justice for a Just Transition from fossil fuels.
- Strategy 3.4** Build relationships with local K-12 institutions to ensure prospective students see PCC as a premier destination to study and engage in sustainability and climate justice.



Resilience: A Foundation for Climate Action



“Increasing the ability to survive disruption and to anticipate, adapt, and flourish in the face of change” - Second Nature





Resiliency Focus Area Goals

Assessment

Goal 1

By 2026 PCC has completed a college resiliency assessment on the vulnerabilities and hazards associated with climate change to ensure the long-term viability of our enterprise. This assessment highlights threats to our frontline and vulnerable communities and centers those communities.

Support & Resources

Goal 2

By 2026, all departments and campuses at PCC have equitable access to ongoing financial support and resources for sustainability to ensure long-term viability.





Resiliency Focus Area Goals

Energy Resiliency

Goal 3

By 2026, PCC has developed energy resiliency strategies to reduce impact from climate change in emergency scenarios and be agile in the face of change.

Ecological Health & Well-being

Goal 4

By 2026, PCC has incorporated design criteria that promote habitat stewardship and the well-being of students, staff, faculty, and the neighborhoods the college inhabits. These criteria contribute to healthy learning and working environments, ecosystem health, and a sense of belonging for all.

Alignment/ Planning

Goal 5

By 2026, PCC has aligned its climate action and resiliency efforts with planning efforts both within PCC and across the region to cultivate sustainability and climate justice with service towards our most vulnerable populations as a guidepost.





Resiliency | Goal 1 | Assessment

By 2026 PCC has completed a college resiliency assessment on the vulnerabilities and hazards associated with climate change to ensure the long-term viability of our enterprise. This assessment highlights threats to our frontline and vulnerable communities and centers those communities.

Strategy 1.1 Create a new multi-disciplinary committee tasked with assessing resilience across PCC.

Strategy 1.2 Inventory who, where, and how resiliency work takes place at each campus in order to create a pool of baseline data for resiliency work.

Strategy 1.3 Identify a plan for collecting resiliency data for data gaps.

Strategy 1.4 Complete the Second Nature resilience assessment tool, Campus Evaluation of Resilience Dimensions.

Strategy 1.5 Analyze results of assessments and determine next steps.





Resiliency | Goal 2 | Support and Resources

By 2026, all departments and campuses at PCC have equitable access to ongoing financial support and resources for sustainability to ensure long-term viability.

Strategy 2.1 Assess current sustainability programming and associated financial needs across the college.

Strategy 2.2 Create a proposal to ensure adequate resources for sustainability.

Strategy 2.3 Include a spatial assessment within the Facilities Plan that examines how much space the college has for long-term sustainable development, including capacity for renewable energy and canopy coverage.





Resiliency | Goal 3 | Energy Resiliency

By 2026, PCC has developed energy resiliency strategies to reduce impact from climate change in emergency scenarios and be agile in the face of change.

Strategy 3.1 Explore innovative technologies to use renewable energy or low-carbon fuel alternatives as a backup system (e.g. battery storage).

Strategy 3.2 Use energy models to better understand building performance during low occupancy to improve emergency energy planning.

Strategy 3.3 Develop an understanding of how PCC buildings and energy systems will perform under a changing climate.

Strategy 3.4 Develop and update policies, standard operating procedures, and guidelines to support reducing impact on climate change in emergency scenarios.





Resiliency | Goal 4 | Ecological Health and Well-being

By 2026, PCC has incorporated design criteria that promote habitat stewardship and the well-being of students, staff, faculty and the neighborhoods the college inhabits. These criteria contribute to healthy learning and working environments, ecosystem health, and a sense of belonging to all.

- | | |
|---------------------|--|
| Strategy 4.1 | Expand and increase the health and resiliency of the ecosystems and green spaces the College owns, manages, and impacts to increase well-being, while providing an equitable college experience. |
| Strategy 4.2 | Promote culturally-responsive wellness at PCC. |
| Strategy 4.3 | Provide additional support for sharing inclusive, culturally-responsive, and trauma informed knowledge around food sovereignty and food justice. |
| Strategy 4.4 | Develop an understanding of active design and how elements of active design are currently woven into our design standards and used on campus. |
| Strategy 4.5 | Integrate the use of design in the built environment that supports physical well-being, mental health, and a sense of belonging to all. |





Resiliency | Goal 5 | Alignment and Planning

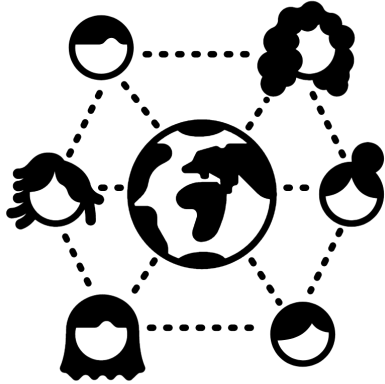
By 2026, PCC has aligned its climate action and resiliency efforts with planning efforts both within PCC and across the region to cultivate sustainability and climate justice with service towards our most vulnerable populations as a guidepost.

- Strategy 5.1** Pool information related to embedding equity throughout PCC planning efforts with PCC staff (additional opportunities with students can be found in the Outreach and Education goals).
-
- Strategy 5.2** Share resiliency resources, such as our Climate Action Plan, within the region.
-
- Strategy 5.3** Integrate climate adaptation, hazard mitigation, and recovery into the Facilities Plan.
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- Strategy 5.4** Ensure that the Emergency Preparedness Plan considers climate adaptation, hazard mitigation, and recovery.



PCC Climate Action Plan Key-Takeaways

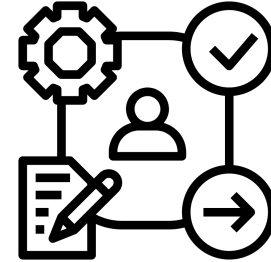




Centering Equity and Resiliency of PCC and beyond, empowering student and workforce development



Aligning with science-based emission reduction targets for carbon neutrality by 2040.



Supporting PCC strategic planning and integrating with regional climate action efforts.



Thank you!

