

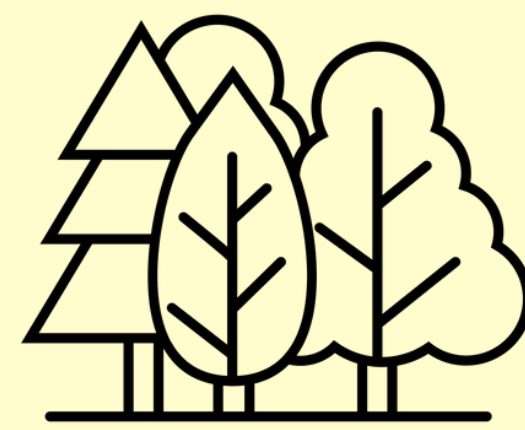
Metro Parks Tacoma's Climate Action Vision



Metro Parks Tacoma employees and community members answered the following question to collectively define Metro Parks Tacoma's vision for climate action:

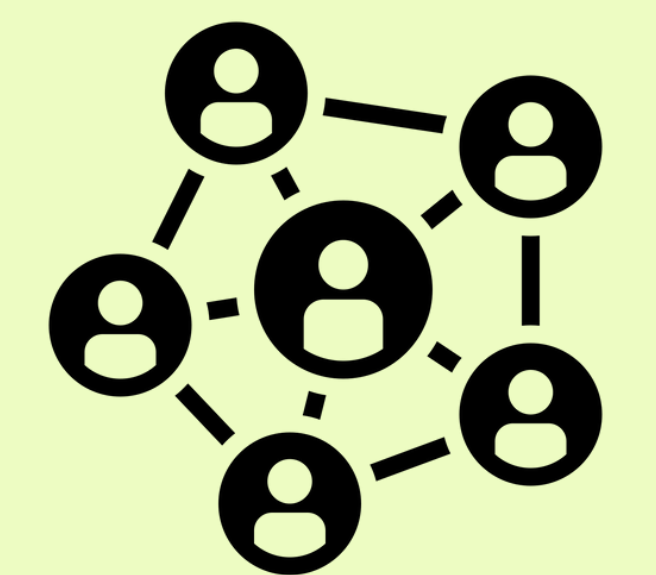
“What would a more sustainable and climate resilient Metro Parks Tacoma be like in 10 years?”

Nature-inspired and climate positive



Metro Parks Tacoma utilizes nature-based solutions and park design to go beyond carbon reduction to be climate positive and support the community in carbon reduction.

Focused community outreach, education, and advocacy



Opportunities to engage and participate in climate action implementation are clearly communicated to park visitors, and focused efforts are made to promote sustainable behaviors within and away from the parks.

Energized staff engagement



Sustainability is deeply ingrained in the culture at Metro Parks Tacoma. Employees are trained in environmental and climate decision making, and have the knowledge and ability to support Metro Parks Tacoma in sustainability and climate resilience.

Adaptive and resilient built environment



Metro Parks Tacoma's built environment is adaptive to the regional projected climate impacts for Tacoma, including extreme heat, heavy rain, and rising sea levels, and is responsive to the climate resilience needs of the community.

Metro Parks Tacoma's Greenhouse Gas Emissions



Greenhouse gas (GHG) emissions are a crucial factor in assessing our impact on the environment. Daily activities that are powered by **fossil fuels**, such as driving, using coal-generated electricity, and cooking, release gasses that contribute to **climate change**. GHG emissions inventories help us put a measurable number to the release of those gasses.

A **GHG Inventory** is the accounting of all emissions created by an entity based on usage and their related emission intensities.

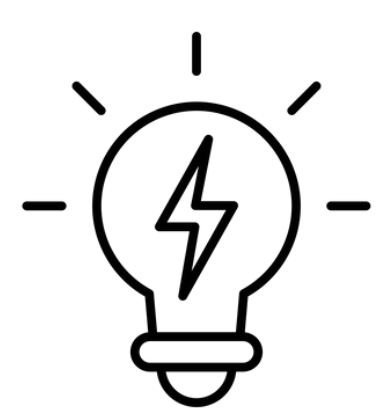
Metro Parks Tacoma set a baseline year of 2019 and emissions reductions will be reported from the baseline year.

Why should Metro Parks Tacoma reduce greenhouse gas emissions?

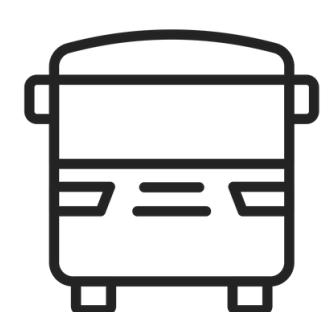
Climate change is primarily caused by GHG emissions. Reducing emissions can have many benefits for our community, such as:

- Improved public health
- Improved air, water, and soil quality
- Reduced stress on infrastructure
- Increased resilience to climate change
- Decreased extreme weather events and temperatures
- Decreased costs (e.g. energy) and additional job opportunities

Metro Parks Tacoma's greenhouse gas emissions are equivalent to:



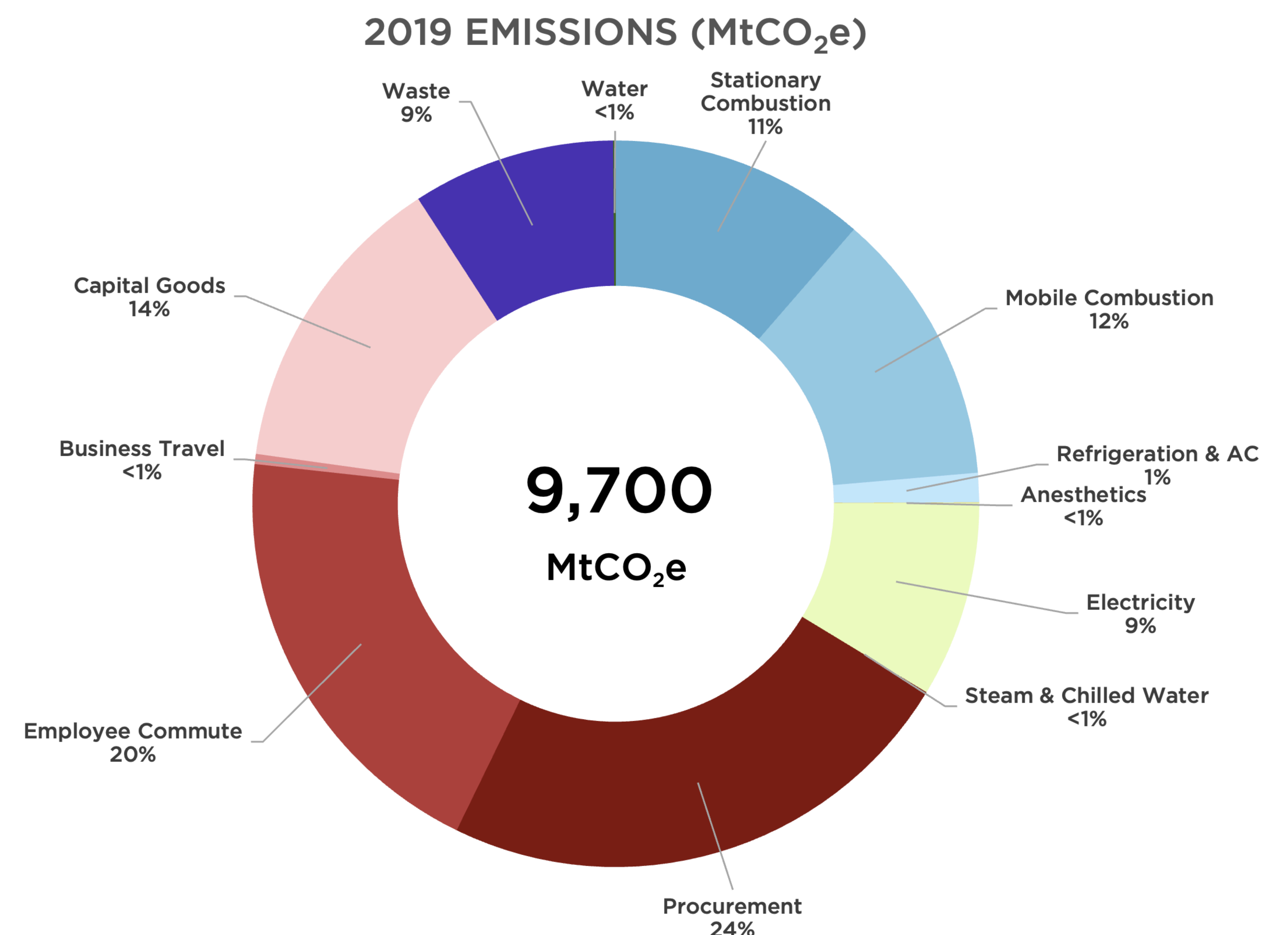
1,223 homes using energy for a year



2,159 cars driving for a year

The biggest drivers of Metro Parks Tacoma's emissions are Procurement, or the items that Metro Parks Tacoma purchases, Employee Commute, and Fleet Vehicles.

Capital Goods is a term that refers to the emissions from purchased items related to capital improvement projects, such as machinery, buildings, facilities, and vehicles which can fluctuate heavily from year to year.



Potential Greenhouse Gas Reduction Measures



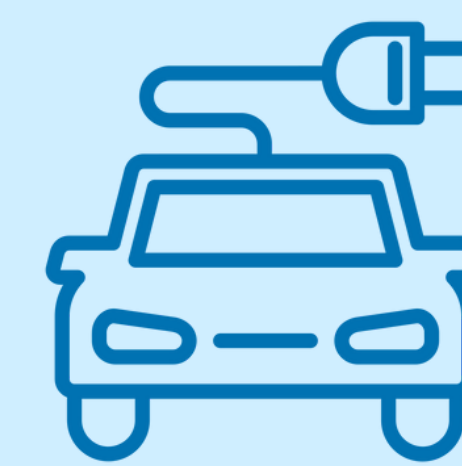
Metro Parks Tacoma is committed to reducing their greenhouse gas emissions and has aligned with the City of Tacoma's goal to reach net zero greenhouse gas emissions by 2050.

The following Greenhouse Gas Reduction Measures were identified as key strategies that Metro Parks Tacoma may pursue to reduce their greenhouse gas emissions.

Using the dot stickers provided, please put the dots on strategies that you believe are the highest priority to implement, or are most important to you.



Acquiring
renewable energy
to power Metro
Parks Tacoma's
operations



Converting
Metro Parks
Tacoma's fleet to
electric vehicles



Electrifying heating
equipment within
Metro Parks Tacoma's
buildings to reduce
long-term reliance on
fossil fuels



Developing a
sustainable
purchasing program
that inform Metro
Parks Tacoma's
purchases

Tacoma's Changing Climate



Climate change refers to long-term shifts in temperatures and weather patterns. Human activities, primarily the burning of fossil fuels (like coal, oil, and gas) which produces heat-trapping gases, are the primary driver for climate change.

The following climate impacts are projected to increase in likelihood for Tacoma, Washington through the 2050s.

Temperature variability will increase.

- Average annual temperatures will increase 6°F by the 2050s.
- Extreme heat days will increase in frequency.
- Areas with less tree canopy will experience warmer temperatures

Precipitation variability will increase.

- Increased heavy rainfall events and flooding are likely to occur
- Drier summers are likely to contribute to increased wildfire risk, and wildfire smoke.

Sea level will rise.

- Sea level will rise by 19 inches by 2050
- Increased coastal flooding and erosion will occur.

Using a sticky note, what do you see as the biggest impact to your ability to enjoy Metro Parks Tacoma's facilities given the projected climate impacts?

Using a sticky note, what strategies do you think MPT should implement to prepare for the climate impacts?

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By placing a dot sticker on the range below, how urgent do you feel it is for Metro Parks Tacoma to respond to the climate impacts above. You may also add a sticky note below the range to explain your reasoning.



Not urgent

Urgent

Strategic Directions for Climate Resilience & Sustainability



The strategic directions below orient us towards actions needed to deal with the consequences we face with our changing climate.

Using the dot stickers provided, please put the dots on strategic directions that you believe are the highest priority to implement, or are most important to you.

Organizational Sustainability

Secure innovative funding sources and grants, create new revenue streams, and optimize budget allocation for sustainability initiatives. Staff key sustainability roles and clarify responsibilities for climate action within existing roles.



Develop and execute strategies for responsible resource use including, but not limited to: reducing emissions, sustainable purchasing, reducing water use, and developing waste reduction plans.



Resilient Built Environment

Integrate resilience to climate impacts into design standards, ensure utility redundancy, and enhance emergency management plans for climate disruptions, including flood mitigation and safety incident responses.



Community Resilience (Education, Engagement, and Outreach, etc.)

Foster a district-wide culture of sustainability among Metro Parks employees, and support continuous learning opportunities.



Build strong regional partnerships and support Metro Parks Tacoma's communities in contributing to district-wide Climate Action strategies.



Resilient Living Systems

Prioritize the development of an urban forest management plan and update wildfire mitigation strategies to enhance district resilience. Implement nature-based solutions for coastal resiliency and integrate future climate conditions and zoonotic disease concerns into animal care manuals and collection planning.



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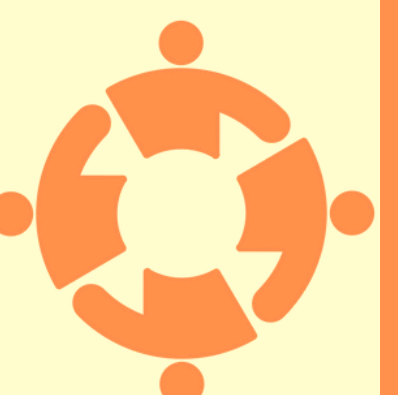
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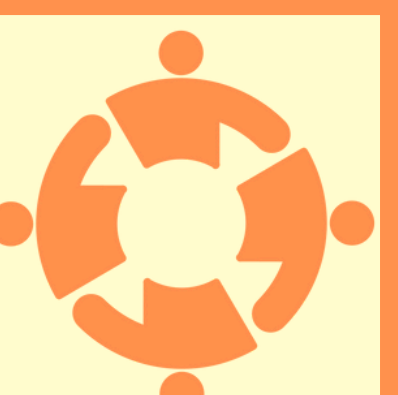


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Continued Involvement in Climate Action at Metro Parks Tacoma



How else can you get involved with Metro Parks Climate Action Plan?

1

Visit our Climate Action Plan website (by scanning the QR Code Below) for an opportunity to provide additional comments on the materials you saw today online.

2

Stay up to date on upcoming opportunities by signing up for the email list on our website (QR Code Below)

3

When the Climate Action Plan is complete, community members will have the opportunity to provide comments. Stay tuned for more details!

SCAN HERE



<https://www.engagepiercecounty.com/climate-action-plan>