

Southwest Neighborhood
Association

January 18, 2024

Shannon Martin
Solid Waste &
Sustainability Manager

COLLABORATIVE

PRACTICAL

INVENTIVE

NIMBLE

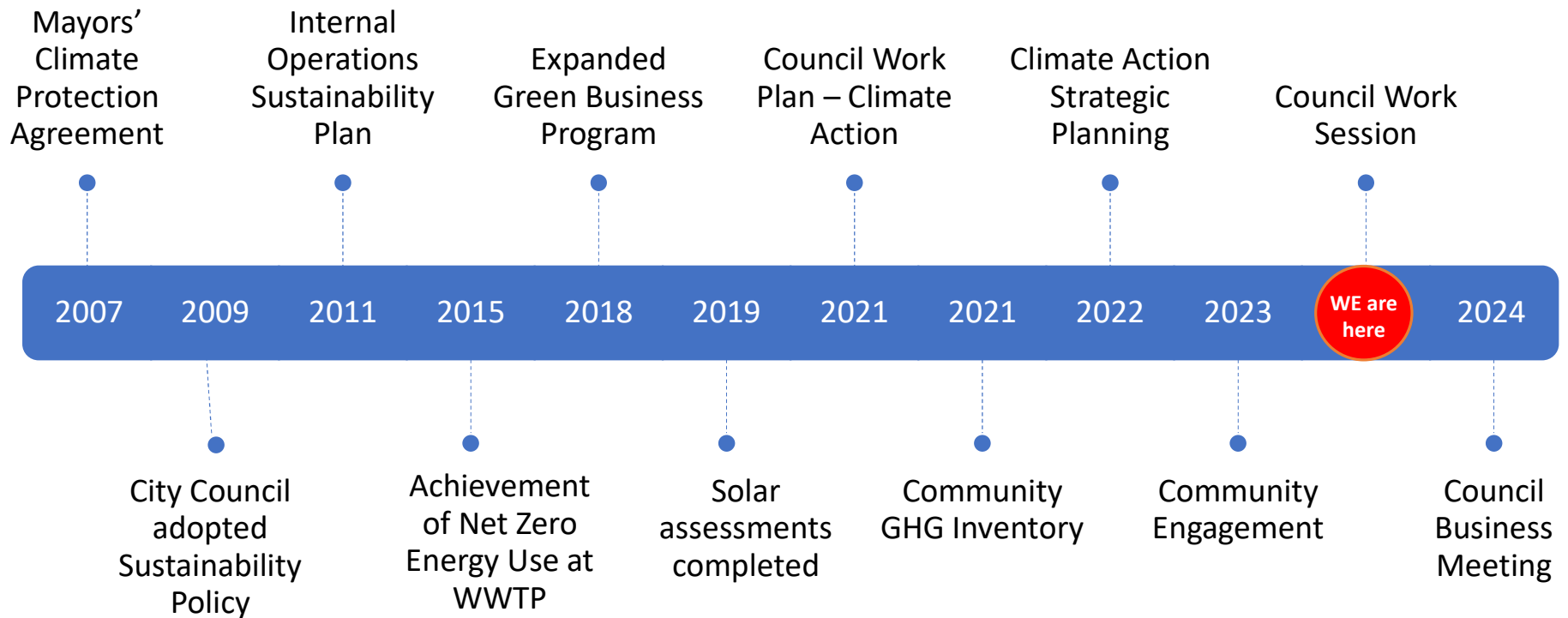
EQUITABLE



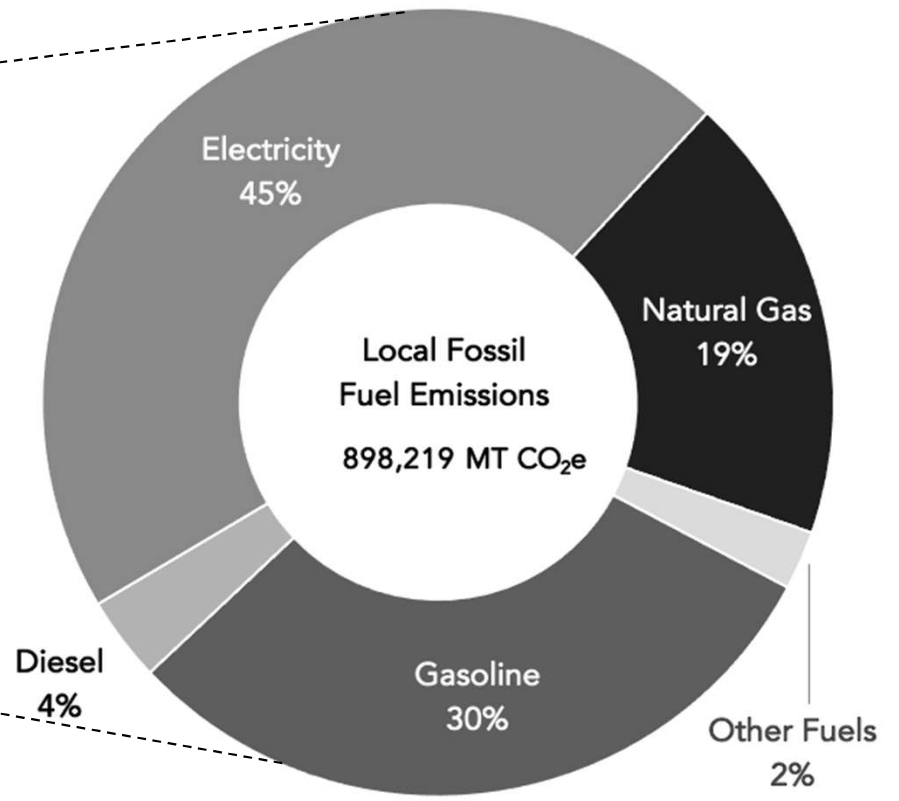
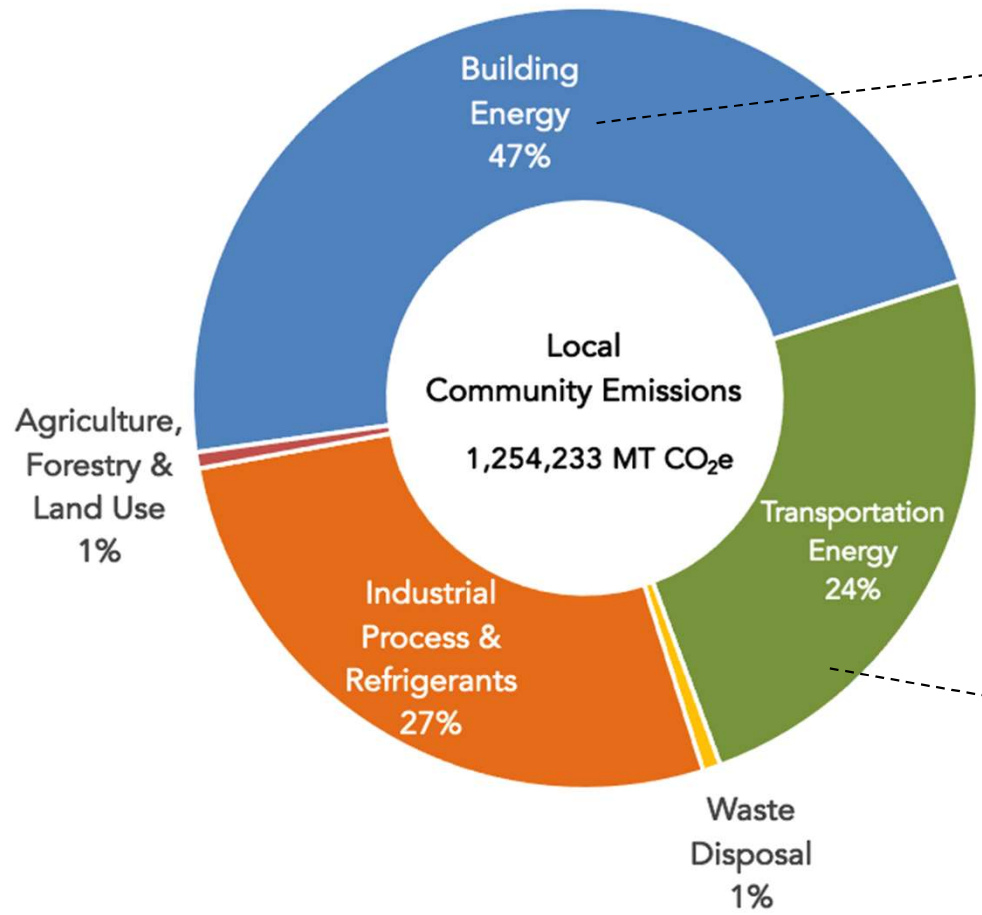
Climate Action

CITY OF
GRESHAM

Gresham's Climate Action Journey



Local Emissions & Fossil Fuels

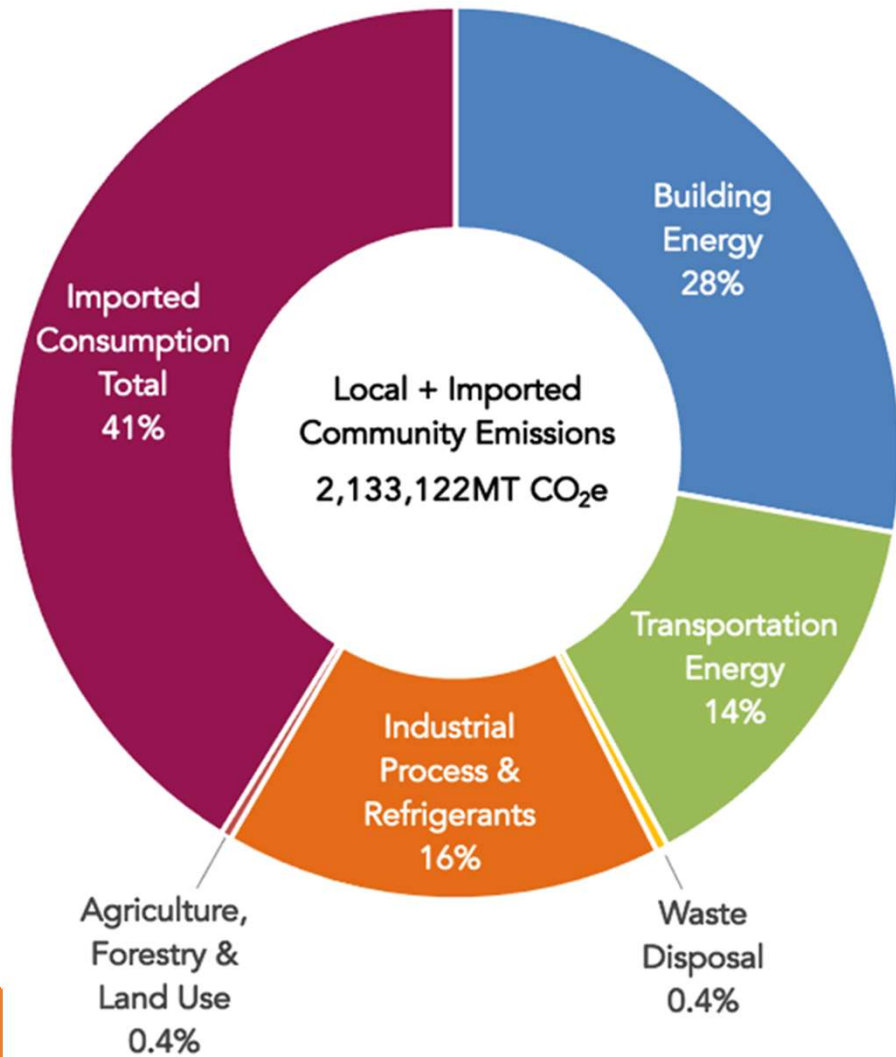


Slide 3

SFO

Is there a way to split this graph up to only include the Local Emissions Sources (Sector-based) on this slide? It would allow you to make the text labels larger so you can read them. You could do a second slide with Indirect Emissions from Imported Goods and Negative Emissions.

Steve Fancher, 2024-01-11T17:44:28.226



Imported vs. Local Emissions

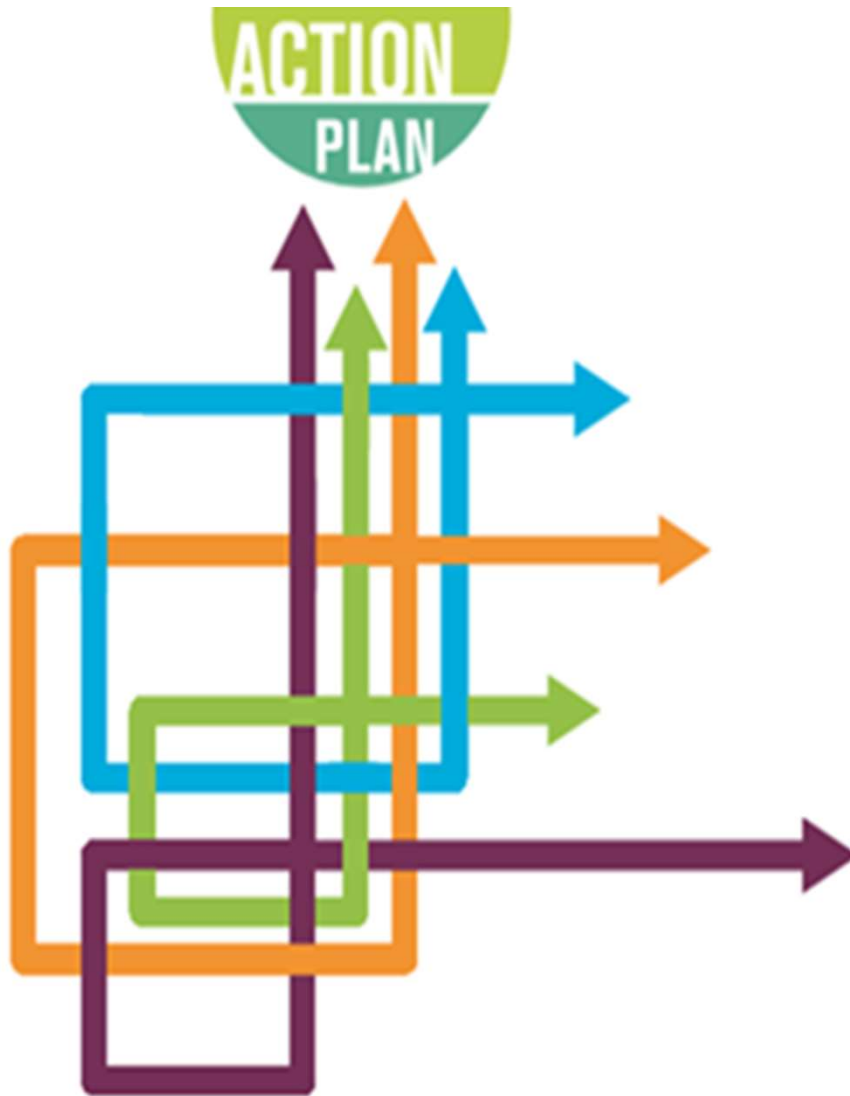
Consumption Category	MT CO ₂ e	Per capita
Goods, 35%	307,051	2.8
Food, 33%	284,415	2.6
Fuel Production, 25%	229,765	2.1
Air Travel, 7%	57,658	0.5
Total	878,889	8.0

Slide 4

SFO

Is there a way to split this graph up to only include the Local Emissions Sources (Sector-based) on this slide? It would allow you to make the text labels larger so you can read them. You could do a second slide with Indirect Emissions from Imported Goods and Negative Emissions.

Steve Fancher, 2024-01-11T17:44:28.226

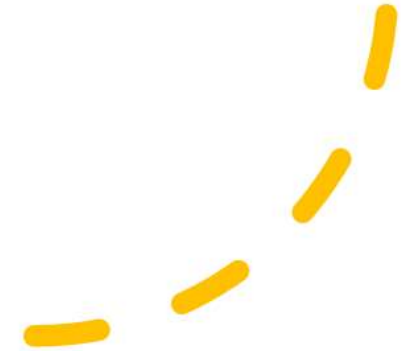


Central Hub to Our Work

- **Buildings & Energy**
- **Urban Planning & Transportation**
- **Solid Waste & Consumption**
- **Climate Preparedness**
- **Internal Operations**

Buildings and Energy

- **Energy sourcing – PGE / NW Natural**
 - Community solar programs
 - PGE Green Tariff
 - Renewables (internal operations)
- **Building weatherization**
 - Community Energy Project
 - Mult Co programs
- **Building energy efficiency**
 - Heat pumps and other appliances
- **Strategic Energy Management**
 - Internal operations
 - Businesses



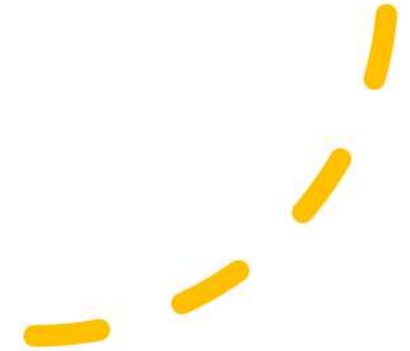
Urban Planning and Transportation

- **Neighborhoods and communities**
 - Mixed use – walkability
 - Tree canopy – access to nature
- **Green development**
 - Renewable energy – micro hubs
 - Green building and public works standards
 - Heat pumps (cooling for all)
- **Transportation**
 - Micro mobility (last mile connection)
 - Alternative transportation connection
- **Electric vehicle transition**
 - EV charging infrastructure
 - Fleet transition (internal)
 - Public education



Climate Preparedness

- **Extreme weather preparedness**
 - Heat, fire, smoke, winter weather
- **Resiliency hubs**
- **Heat islands (tree canopy)**
 - Tree code
 - Revegetate neighborhoods
- **Green infrastructure**
- **Social infrastructure**
- **Economic infrastructure**



Heat Plan

Debris Plan

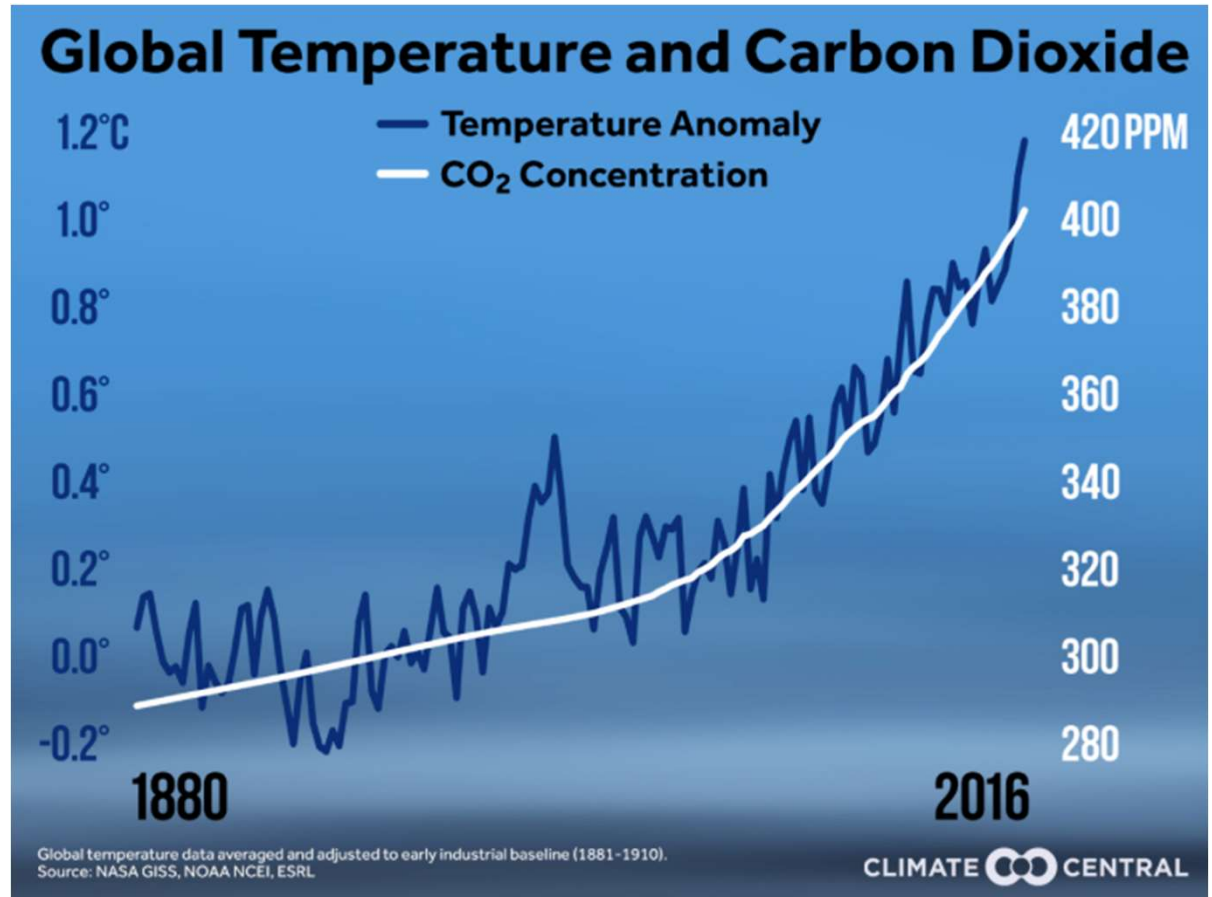
NHMP Plan



Why Do This?

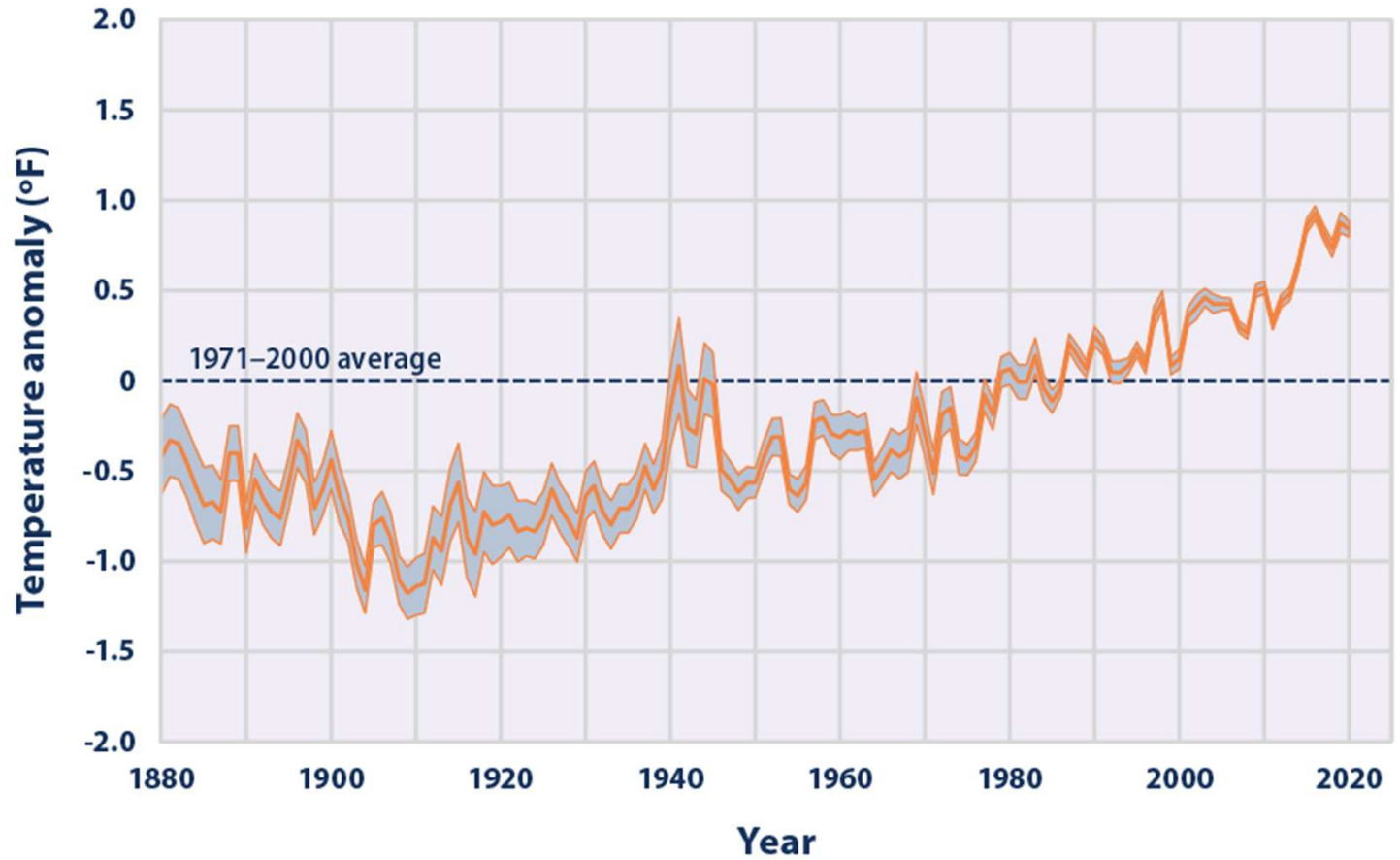
To hold the global temp increase to 1.5 degrees, atmospheric concentration of GHGs will have to be held to 450 PPM and eventually trend down towards pre-industrial levels.

At current rate, average temps will increase by at least 4 degrees



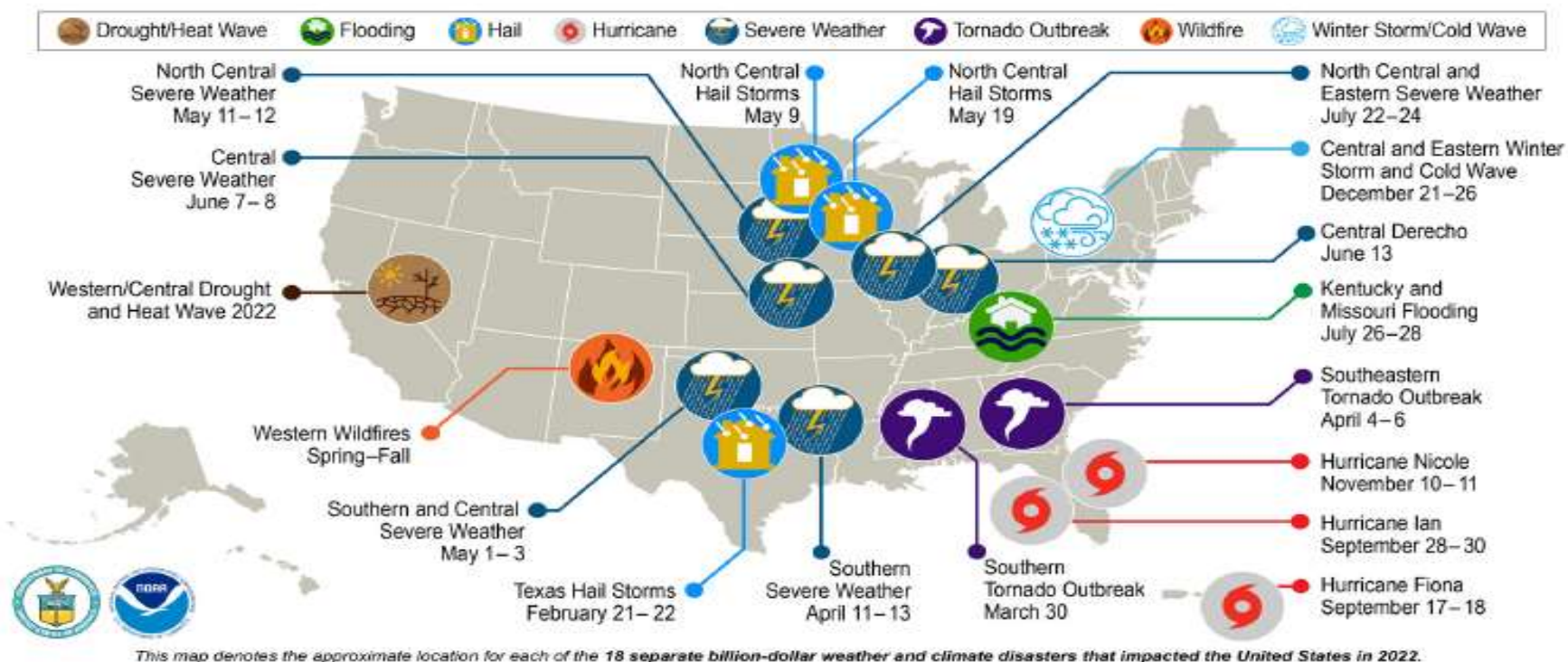
Why Do This?

The surface temp of the world's oceans has changed since 1880.



Surging Natural Disaster Costs

U.S. 2022 Billion-Dollar Weather and Climate Disasters



Source: NOAA.⁶

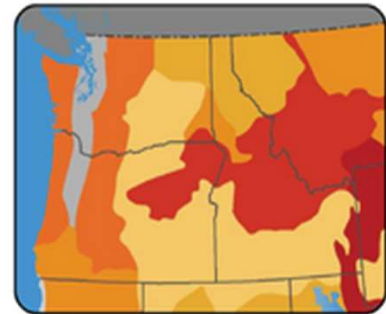
Future Conditions



The number of days over 90 degrees **7 days to ~65** by 2100.
Strong climate action can decrease this to **~30** days



11 days of extreme fire danger will be **21** by 2100.
Strong climate action can decrease the number of extreme fire danger days to **18**.



Slide 13

JD0 Let's keep these questions but move them to a different slide
John Dea, 2023-02-15T22:09:30.611



Energy Audits

30% tax credit up to \$150 per year **(to 2032)**

Make a plan for future replacement

A Clean Future for All

Go 100% renewable for about \$7.00 more a month on average and help fund new renewable projects in Oregon.

NW Natural Smart Energy buys RECs from biodigesters and subsidizes farmers waste disposal. Average cost is \$5.50 a month.



Community Solar Benefits



Get solar credits on your bill, offsetting your electricity use. Most customers see savings on their bills.



Help the planet—reduce your carbon footprint



Support local solar development and local clean energy jobs.



Households that meet low-income guidelines are eligible for discounted subscription rates and other benefits.



How does community solar work?



1

You sign up as a subscriber to a local solar project.



2

The solar project generates clean, renewable energy for the utility grid.



3

You receive a bill credit for your portion of the solar energy generated and pay a subscription fee on your monthly utility bill. The credit covers the subscription fee and can save money on annual electricity costs.

www.oregoncsp.org

CITY OF
GRESHAM

A Clean Future for All

- 30% off solar, batteries, and geothermal systems.
- Energy Trust of Oregon incentives
- State incentives



- Households with income less than 80% of AMI: \$8,000 rebate up to 100% of equipment and installation costs
- Households with income between 80-150% AMI: \$8,000 rebate up to 50% of equipment and installation costs
- Households with income at or above 150% AMI: 30% tax credit worth up to \$2,000 per year



A Clean Future for All

- Households with income less than 80% of AMI: \$1,750 rebate up to 100% of equipment and installation costs
- Households with income between 80-150% AMI: \$1,750 rebate up to 50% of equipment and installation costs
- Households with income at or above 150% AMI: 30% tax credit worth up to \$2,000 per year

AVOID 1-3 TONS CO₂/YR



INSTALL A HEAT PUMP
WATER HEATER

A Clean Future for All

- Households with income less than 80% of AMI: \$840 rebate up to 100% of equipment and installation costs
- Households with income between 80-150% AMI: \$840 rebate up to 50% of equipment and installation costs
- Households with income at or above 150% AMI: N/A



A Clean Future for All

- **New EVs: \$7,500** rebate
- **Used EVs: \$4,000** rebate up to 30% of sale price

State Incentives

- **\$2,500**
- **\$5,000** low-income



YES, YOU CAN STACK INCENTIVES

	Nissan Leaf S	Ford Mustang MachE
MSRP	\$27,400	\$43,895
Federal Tax Credit	- \$7,500	- \$7,500
Oregon Clean Vehicle Rebate	- \$2,500	- \$2,500
Oregon Charge Ahead Rebate	- \$5,000	- \$5,000
Local Incentives	- \$100 - \$1,500	- \$100 - \$1,500
Price After Incentives	\$10,900 - \$12,300	\$27,395 - \$28,795

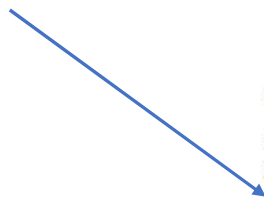
** Examples are for illustrative purposes only, not an endorsement of specific auto companies or vehicle models.*

Climate Action Website

Take the survey



Sign up for updates



Draft climate action strategies



Climate Action

From extreme weather to air quality, climate change impacts Gresham's residents, our economy, and the natural environment. Together, we can reduce pollution and improve community health.

Summer outreach

Climate Action Plan

- New! [Take the survey](#) and help us prioritize Gresham's climate actions.
 - [Spanish](#)
 - [Russian](#)
 - [Somali](#)
 - [Swahili](#)
 - [Farsi](#)

A community effort

City staff is developing the framework of a community-wide climate action plan. Our daily work reducing emissions and operating costs at the City continues.

[Sign up to receive updates.](#)

Four Focus Areas	Project Background	Resources
<p>The plan includes four core focus areas where the City and community will work together.</p> <p>Read the draft climate action strategies.</p> <h3>Energy</h3> <p>Energy use is the largest source of greenhouse gas emissions in Gresham. These emissions come from</p>		

Community Engagement success

Community Presentations

- Design Commission
- Urban Forestry Committee
- Neighborhood Coalition
- Historic Downtown Chamber
- Staff Lunch & Learn
- NW Neighborhood Association
- Kelly Creek Neighborhood Association
- Southwest Neighborhood Association

Workshops & Events

- Learn, Do, Event
- CBO Workshops
- Soil & Water Conservation
- Small Business Workshop
- Large Business Workshop
- Community Workshop
- Spanish Workshop
- All Things Trees Workshop
- All Things Energy Workshop
- MHCC Event
- Survey (155)
- Rockwood Village Event
- Arts Festival

Council Work
Session

Council Plan
Adoption

