



Liberty Lake Comprehensive Plan Climate Element: Shaping Our Future for Resilience

By taking action to reduce emissions and enhance our resilience, we can mitigate the risk of extreme weather events and prepare for a better future.

What is a “Climate Element”?

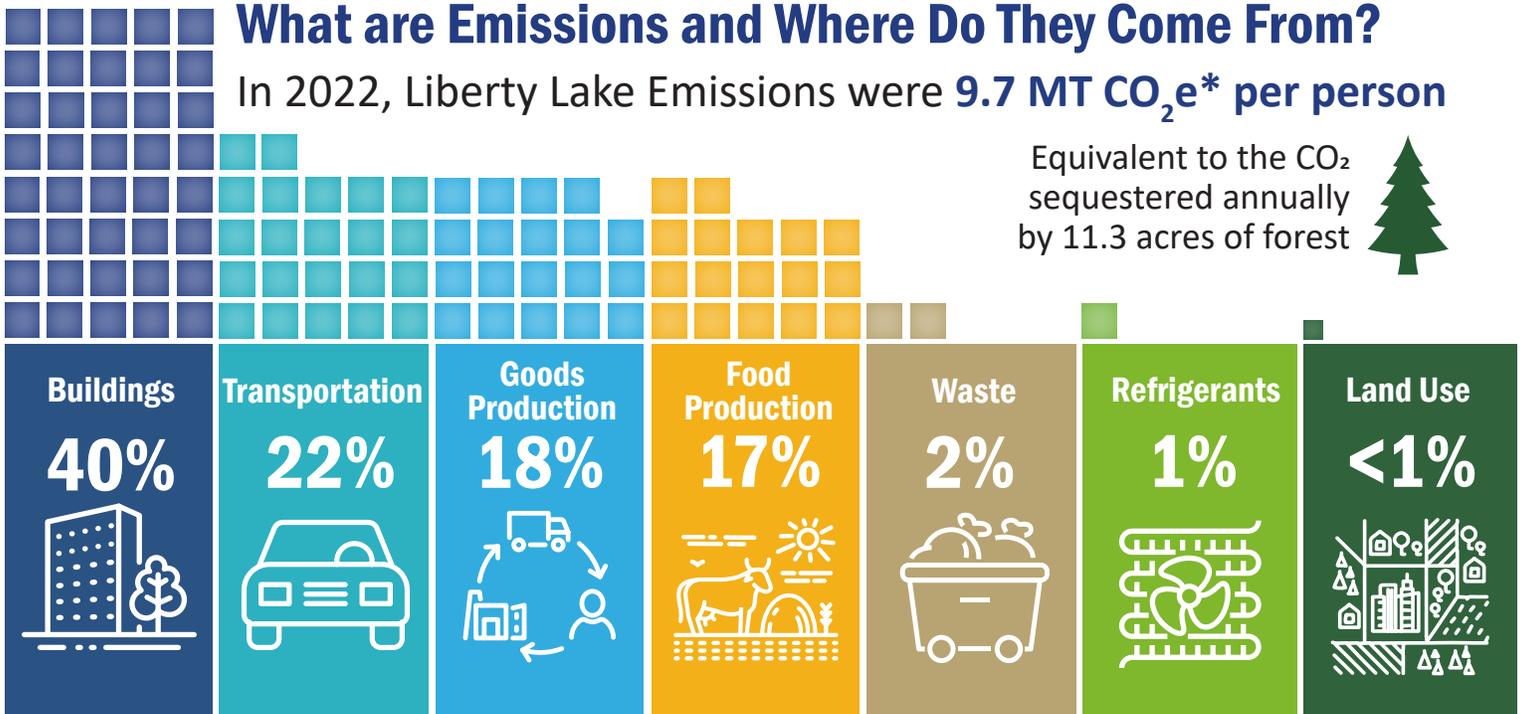
In 2023, Washington State passed a law requiring cities to include a Climate Element in comprehensive plans. The Climate Element focuses on two key areas:

1. Reducing greenhouse gas (GHG) emissions
2. Building community resilience to natural hazards and extreme weather impacts

What are Emissions and Where Do They Come From?

In 2022, Liberty Lake Emissions were **9.7 MT CO₂e*** per person

Equivalent to the CO₂ sequestered annually by 11.3 acres of forest



What is Included in These Emissions Categories?

Buildings: heating, lighting, air-conditioning, electricity, and energy production

Transportation: passenger cars, freight trucks, public transit, air travel, and fuel production

Goods Production: energy used to manufacture and transport consumer goods

Food Production: fertilizer, farm animals, and energy used to grow, process, and distribute food

Waste: generation, collection, and treatment of garbage and sewage

Refrigerants: gases used in cooling systems and refrigerators

Land Use: developing former grassland and golf course fertilization

*MT CO₂e stands for **metric tons of carbon dioxide equivalent**, used to measure emissions from all types of greenhouse gases.

Our emissions are driving increased risk of extreme heat, drought, flooding, and wildfires. By taking action to reduce emissions and enhance resilience, we can mitigate the risk of extreme weather events and prepare for a better future.

In Liberty Lake, We Are Facing:



More Drought



More Extremely Hot Days



More Wildfires and Smoke



Stronger Storms

Reducing Emissions Can Lead to Many Benefits, Such As:

COST SAVINGS: Energy efficiency leads to lower utility bills for residents and businesses

ENERGY INDEPENDENCE: Reducing our reliance on external energy sources

ECONOMIC OPPORTUNITY: Investing in new technologies and creating local jobs

COMMUNITY RESILIENCE: Preparing for potential increases in natural hazards and extreme weather events

AIR QUALITY: Reducing emissions leads to cleaner, healthier air

Want to learn more about the Climate Element?

Visit Our Online Open House!

For more information on the climate element and work done to date, visit the online open house via the QR Code.

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