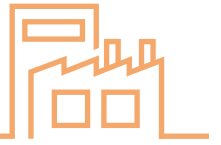




WHAT YOU CAN DO

INDUSTRIAL FACILITIES



Tackling climate change takes all of us. We all generate emissions from nearly everything we do, from turning on the lights and adjusting our thermostats to manufacturing products or food. Here are some things that you can do to reduce the carbon footprint of your industrial facility.



INDUSTRIAL PROCESSES & ENERGY USE

HEATING

Many industrial processes require heating capacity beyond what is easy to electrify. Technological solutions to this problem are emerging, for example, [district hydrogen](#).

- Connect with [Northwest Natural](#) to learn more about their clean hydrogen efforts.

REFRIGERATION

Many refrigeration systems rely on chemicals that are extremely potent greenhouse gasses, hundreds of times more damaging than carbon dioxide. Any leaks in the refrigeration system release these incredibly potent climate pollutants into the atmosphere.

- When possible, switch to less damaging systems such as ammonia or carbon dioxide.
- Maintain your systems to minimize leaks.

USE OR BUY RENEWABLE ELECTRICITY

- Purchase green power through your electricity provider, PGE offers a program where large consumers can fund part or all of a new, [local green power program](#).

GO SOLAR

- Large warehouses and vast parking lots are great places for solar installations.
- These often pay back in 5-10 years.
- Solar installations are a visible advertisement of your commitment to reduce emissions.
- Solar installations also increase the supply of green energy on the local grid.
- Check out [this tool](#) to estimate your facility's solar potential.

REDUCE OR OFFSET EMISSIONS FROM NATURAL GAS

- Work with Northwest Natural to purchase [renewable natural gas](#), or develop renewable sources like [renewable hydrogen](#).
 - The supply of renewable natural gas is limited, so investment in new sources is critical.
- Purchase verified carbon offsets for your non-renewable gas needs via the [Smart Energy program](#).



TRANSPORTATION

SWAP OUT FOSSIL DIESEL FOR RENEWABLE DIESEL

- Renewable diesel, like R99, can be used just like conventional diesel, it is similar in price.
- The City of Tualatin's vehicle fleet is already running on R99 and [all pump stations in Portland](#) will be selling it in the next few years.

TRANSITION TO AN ALL-ELECTRIC FLEET

- Start with your most high mileage vehicles.
- There are many federal and [state incentives](#) to encourage a switch.
- Savings on gas, taxes, and maintenance mean that these vehicles generally cost [thousands of dollars less](#) than gasoline-powered vehicles over their lifetime.

HELP EMPLOYEES TRANSITION TO MORE SUSTAINABLE COMMUTES

- Alternative schedules, remote work, and altering shifts to align with transit schedules can reduce time and energy spent on commuting and increase job satisfaction.
- Install showers, lockers, and secure bike parking for employees who bike to work.
- Public transit options are limited, but employers can encourage use of transit by locating near transit stops or stations, scheduling shifts to align with transit timings, [offering transit benefits](#) (employers get steep discounts), and by partnering with the City and other businesses to advocate to TriMet for increased transit in Tualatin.



SUPPLY CHAIN

WHAT YOU BUY

- Purchase supplies with lower carbon footprints such as post-consumer recycled paper.
- Buy only what you need. For example: reduce food waste when hosting events, limit promotional items that end up as trash, and closely monitor inventory surpluses.

WHAT YOU MAKE

- Incorporate post-consumer recycled content into your operations, like aluminum, cardboard boxes, paper, and plastic bottles to meet packaging needs. This decreases your own emissions and creates a market for recycled materials.
- Use sustainably harvested materials. Ask your suppliers where they source their materials. Many large companies, [like Walmart](#), are beginning to ask for sustainability reports from their vendors.
- The [Carbon Disclosure Project \(CDP\)](#) and [EcoVadis](#) are good resources to look into your suppliers' practices.