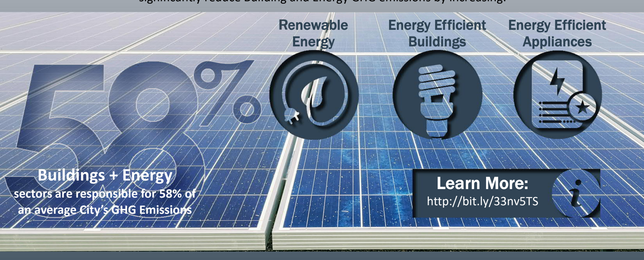
Climate Change Solutions For Edina

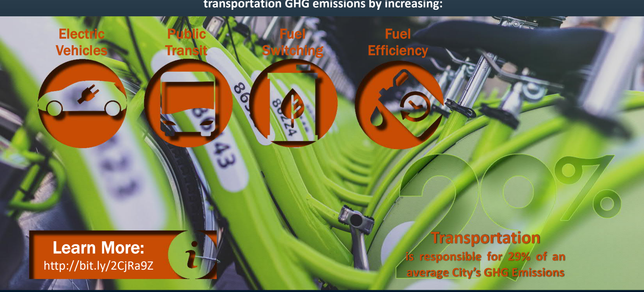
Buildings + Energy

The Building Energy sector includes all residential, commercial, and industrial buildings. Greenhouse gas emissions from this sector come from **direct emissions** – from fossil fuels burned on site for heating or cooking needs – as well as **indirect emissions** – from fossil fuels burned offsite in order to supply that building with electricity. Cities and individuals can significantly reduce Building and Energy GHG emissions by increasing:



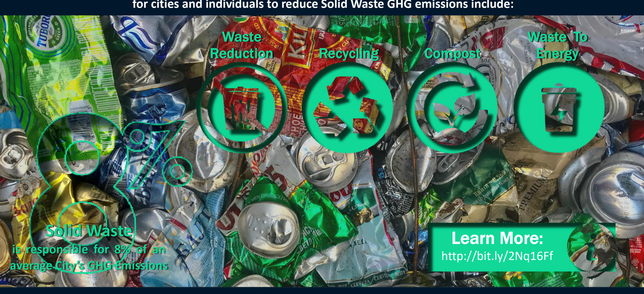
Transportation

The Transportation sector includes the movement of people and goods by cars, trucks, trains, ships, airplanes, and other vehicles. Cities and individuals can significantly reduce transportation GHG emissions by increasing:



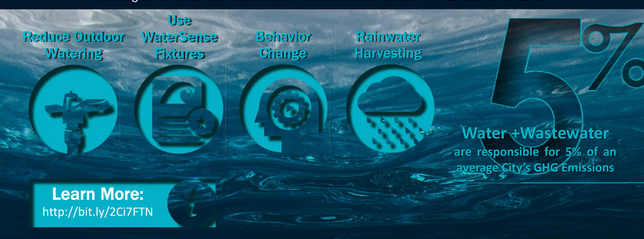
Solid Waste

Landfills are some of the greatest producers of methane gas, a greenhouse gas that's an estimated 35 times more potent than carbon dioxide. By diverting waste from landfills cities can reduce global emissions and the subsequent warming of the planet. Strategies for cities and individuals to reduce Solid Waste GHG emissions include:



Water + Wastewater

According to a report by The River Network, Water related energy use totals 13% of US electricity consumption and has a carbon footprint of at least 290 million metric tons. Meanwhile, wastewater treatment is responsible for 3% of global GHG emissions. Strategies for **cities and individuals to reduce water related GHG emissions include:**



The Climate Economy

The link between climate change, economical scarcity and poverty is straightforward. Low income individuals and those living in poverty in our communities are especially prone to the impacts of climate change. Climate Change Solutions for Cities can reduce our contributions to global greenhouse gas levels, deal with the risks posed by climate change, and achieve economic growth and opportunity.

Transformative change is needed now in how we build our cities, produce and use energy, transport people and goods, and manage our landscapes. And the challenge is urgent. Luckily, all of the climate change solutions available to our cities represent opportunities to improve our quality of life, improve health outcomes, and provide opportunities for new jobs and economic development. Cities can support the advancement of a Climate Economy in a number of ways - learn more:

Learn More:
http://bit.ly/2NKKB5y

Climate Economy

References:

https://www.nrel.gov/docs/fy19osti/73028.pdf
https://www.nrel.gov/docs/fy13osti/54175.pdf
https://www.energy.gov/energysaver/articles/how-much-can-you-really-save-energy-efficient-improvements
https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions
https://www.c2es.org/content/reducing-your-transportation-footprint/
https://jamesrivertrans.com/wp-content/uploads/2012/05/ComparativeEnergy.pdf
https://www.fueleconomy.gov/feg/factors.shtml
https://www.fueleconomy.gov/feg/driverhabits.jsp
https://www.americanprogress.org/issues/green/reports/2013/04/17/60712/energy-from-waste-can-help-curb-greenhouse-gas-emissions/
https://archive.epa.gov/waste/conserve/tools/payt/web/html/factfin.html
https://www.globalsyngas.org/syngas-production/waste-to-energy-gasification/
https://www.drawdown.org/solutions/food/composting
https://www.powermag.com/energy-waste-greenhouse-gas-winner-pollution-loser/
https://www.climatecentral.org/news/sewage-plants-overlooked-co2-source-20840
https://www.watercalculator.org/save-water/
https://www.sustainablewaters.org/five-big-ways-to-conserve-water/
https://nca2014.globalchange.gov/highlights/report-findings/water-supply
https://www.thedailygardener.com/saving-garden-water
https://www.epa.gov/watersense/how-watersense-calculator-works
https://www.cbsnews.com/news/how-to-save-water-and-beat-the-drought-psychology/
https://socialprotection-humanrights.org/key-issues/topical-issues/environmental-sustainability-climate-change-and-the-green-economy/
https://www.c40.org/researches/climate-opportunity-more-jobs-better-health
https://www.greenbiz.com/article/how-many-jobs-does-clean-energy-create
https://aceee.org/files/pdf/fact-sheet/ee-economic-opportunity.pdf

The CITY of EDINA

paleBLUEdot llc
www.paleBLUEdot.llc