

TRANSPORTATION + LAND USE

GHG Reduction Strategy:

Reduce fossil fuel consumption in motor vehicles.

Reduce vehicle trips and vehicle miles traveled (VMT)

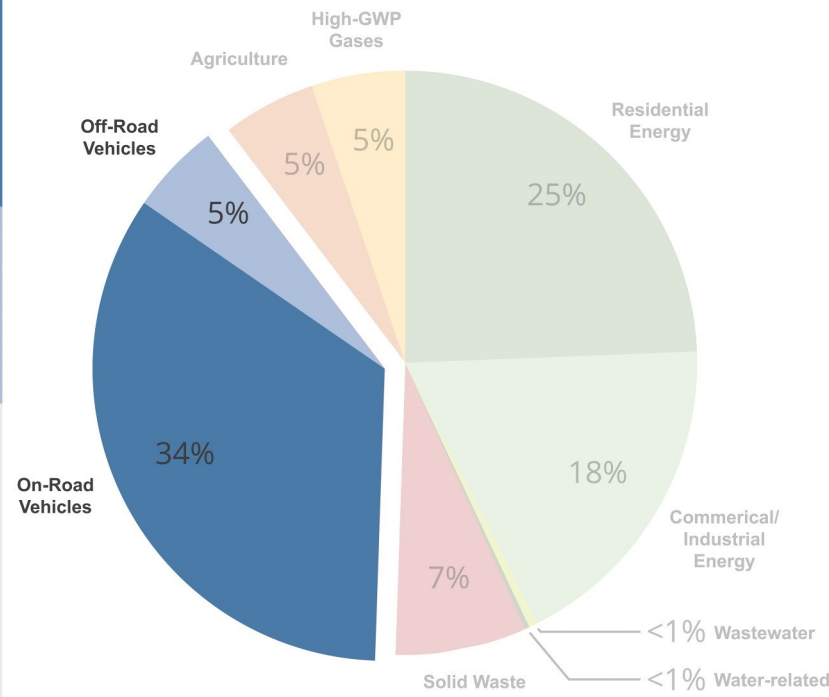
- Coordinated land use and transportation planning
- Expand and/or improve quality of the transit system
- More affordable housing and mixed-use development near transit
- More streets that are safer for walking and biking
- Alternatives to driving alone to work
- Change parking requirements
- Ridesharing (Uber, Lyft, others)

Increase Use of Low- and Zero-Emission Vehicles (electric, hybrid, fuel cell, others)

- Incentives and tax credits
- Marketing and information sharing on available programs

Increase Use of Low-Carbon Fuels

- Examples: ethanol, compressed natural gas, renewable diesel, electric, fuel cell.
- More electric vehicle charging stations, hydrogen refueling stations
- Incentives and permit streamlining



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SAFE STREETS FOR BIKING AND WALKING



BIKESHARE PROGRAM



MIXED-USE DEVELOPMENT



ELECTRIC VEHICLE CHARGING STATION



IMPROVE QUALITY OF PUBLIC TRANSPORTATION

ENERGY + WATER

GHG Reduction Strategy:

Reduce GHG emissions from fossil fuel consumption related to energy and water used in homes, commercial/ industrial buildings, and other facilities.

Increase Energy Efficiency and Conservation

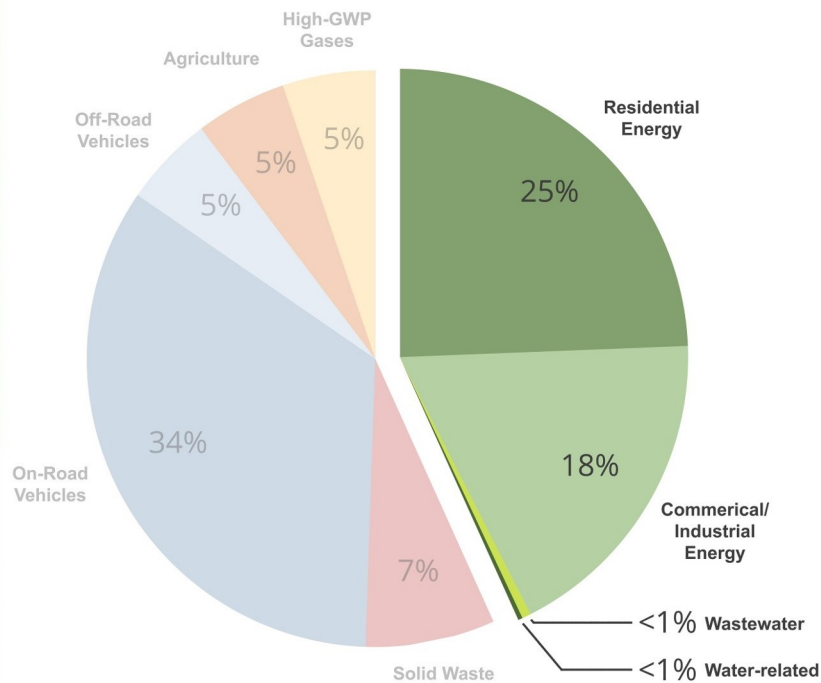
- Easy energy-saving practices (shut off lights, wash clothes in cold water, etc.)
- More efficient appliances and water-heating systems (EnergyStar, other)
- Upgrade heating/cooling systems and weatherizing older homes and buildings
- High-performance standards for new construction (LEED, CALGreen, etc.)

Expand Use of Renewable Energy Sources (Solar, Wind, Organics)

- Residential and commercial solar PV and solar water-heating systems
- Zero Net Energy (ZNE) Standards – 2020 Residential and 2030 Non-residential
- Incentives and permit streamlining
- Utility-based efforts to buy more renewables (“Renewable Portfolio Standard”)

Water and Wastewater Efficiency

- Watering rules
- Water-efficient and river-friendly landscaping
- Cash-for-grass incentives
- Rainwater harvesting
- Graywater reuse on-site
- Recycled water systems
- Metering and pricing water use



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WATER-EFFICIENT LANDSCAPING



RAINWATER HARVESTING



SOLAR WATER-HEATING SYSTEM



EFFICIENT APPLIANCES



ROOFTOP SOLAR PANELS

SOLID WASTE + AGRICULTURE + OTHER

GHG Reduction Strategy:

Reduce emissions from landfills, reduce emissions from fossil fuel combustion in agricultural equipment, reduce emissions from livestock, and reduce other emissions from use of fertilizer and industrial products.

Solid Waste:

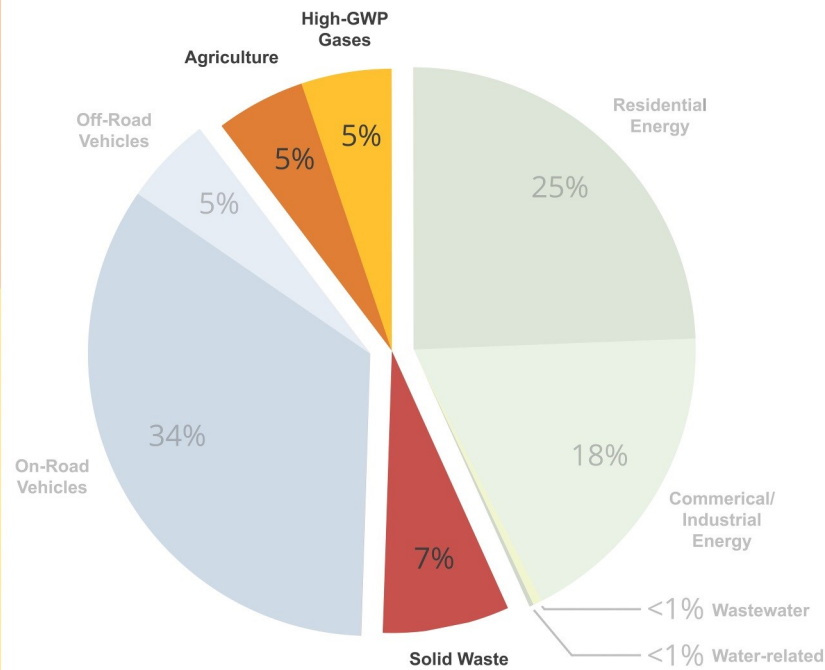
- Reduce waste by choosing products containing less packaging, taking only what's needed
- Reuse items rather than throwing them away
- Recycle paper, metal, glass, and plastic
- Compost kitchen and garden waste
- Capture methane from landfills for reuse

Agriculture:

- Low- or zero-emission agricultural equipment.
- Switch to more organic, lower-emission methods of fertilizing
- Replace diesel water pumps with off-grid solar or grid-tied electric pumps
- Manure management and anaerobic digesters
- Water-efficient irrigation

Industrial:

- Reduce use of hydroflourocarbons (HFCs) in refrigerants and explore replacement options



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METHANE CAPTURE FOR REUSE



SOLAR POWERED WATER PUMP



RECYCLING