

# Alternative Fuels

## CAC Workgroup

### Meeting #2

June 17, 2022



**Climate Action  
Council**

# Agenda

- > Housekeeping
- > Discussion - Alternative fuels definitions and assessment criteria
- > Discussion - Alternative fuels in the GHG Inventory
- > Discussion - Biofuels feedstocks potential

# Defining Alternative Fuels

Alternative fuel	Draft Definition	Uses in the Draft Scoping Plan				
Green hydrogen	Hydrogen formed through hydrolysis powered by renewable electricity (without greenhouse gas emissions).	Used in fuel cells to power vehicles (HDV and non-road)	Hard-to-electrify buildings such as campuses with direct energy systems	Used in fuel cells to produce electricity	Used in combustion turbine to produce electricity	High-heat industrial processes
<b>Waste-derived fuels</b>						
Renewable natural gas (biogas)	RNG is a biogas refined to be used in existing equipment. Produced through anaerobic decomposition of organic materials such as food waste, sewage, or agricultural (crop or animal) wastes at landfills or in anaerobic digesters such as at wastewater facilities, farms or food processing facilities. The feedstock used will impact the GHG emissions accounting.	Fuel for waste hauling vehicles	MHDV	Building heat, if proximate to source	Cogeneration for high-heat manufacturing	Cogeneration at WRRFs
Renewable diesel	A hydrocarbon fuel that is produced by reacting a feedstock (used oil, animal fats, etc.) with hydrogen.	HDVs and other transportation equipment				