

ORDINANCE NO. 25-19

CHAPTER 24

ARTICLE XIV

AN ORDINANCE to amend Chapter 24 of the 1984 Detroit City Code, *Health and Sanitation*, by adding Article XIV, *Greenhouse Gas Inventory*, to include Section 24-14-1, *Purpose*; Section 24-14-2, *Definitions*; Section 24-14-3, *Municipal greenhouse gas emission benchmarks*; Section 24-14-4, *City-wide greenhouse gas emission benchmarks*; Section 24-14-5, *Municipal greenhouse gas assessment*; Section 24-14-6, *City-wide greenhouse gas assessment*; Section 24-14-7, *Annual report to City Council*, to assess the municipal and city-wide greenhouse gas emissions; and with the compiled data collected set forth attainable benchmarks, make strategic efforts to lower greenhouse gas emissions city-wide, and provide an annual report to City Council of progress made.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF DETROIT THAT:

Section 1. Chapter 24 of the 1984 Detroit City Code, *Health and Sanitation*; be amended by adding Article XIV, *Greenhouse Gas Inventory*, by adding Sections 24-14-1 through 24-14-7, to read as follows:

CHAPTER 24.

HEALTH AND SANITATION

ARTICLE XIV.

GREENHOUSE GAS INVENTORY**Sec. 24-14-1. Purpose.**

The City of Detroit recognizes the harmful effect greenhouse gas emissions has on our environment. Climate change poses a serious threat to the economic well-being, public health, natural resources and neighborhoods in the City. In an effort to combat climate change the City of Detroit has pledged to uphold the Paris Climate Agreement, which is an international commitment to limit global temperature. The City seeks to align with global standards by identifying and quantifying greenhouse gas emissions emitted throughout the City. The City will work toward reducing its carbon footprint and set achievable goals to better the overall health and well-being of the community and its environment.

Sec. 24-14-2. Definitions.

Carbon footprint means the amount of carbon dioxide and other carbon compounds emitted due to the consumption of fossil fuels by a particular person, group, or entity.

Carbon signs means forests and other vegetation that remove carbon from the atmosphere.

City-wide greenhouse gas emissions means carbon dioxide and other carbon compounds emitted by entities in the City of Detroit that are non-municipal facilities.

Fugitive emissions means unintended greenhouse gas emissions from the processing, transmission, and transportation of fossil fuels.

Greenhouse gas (GHG) means any gas that absorbs infrared radiation in the atmosphere. Greenhouse gases include carbon dioxide, methane, nitrous oxide, ozone, chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride.

Greenhouse gas emission benchmark means a standard or point of reference against which carbon emissions may be compared or assessed.

Greenhouse gas inventory means an accounting of greenhouse gas emissions for a specific period of time.

Municipal greenhouse gas emissions means carbon dioxide and other carbon compounds emitted by the City of Detroit government buildings, facilities, vehicles, fleets and methods of public transportation.

Office of Sustainability means a City of Detroit office created by the Mayor that develops and implements policies and practices in collaboration with City departments and agencies that focus on enhancing the City's environment.

Sec. 24-14-3. Municipal greenhouse gas emission benchmarks.

The City completed an assessment of its municipal GHG emissions in 2012. The municipal operations were assessed at 1.18 million tons of carbon dioxide equivalent. The City seeks to achieve the following reductions in municipal GHG emissions as follows:

- 1) 35 percent below 2012 levels by 2024;
- (2) 75 percent below 2012 levels by 2034; and
- (3) 100 percent below 2012 levels by 2050.

Sec. 24-14-4. City-wide greenhouse gas emission benchmarks.

(a) The City completed an assessment of city-wide GHG emissions in 2012. The city-wide GHG emissions were assessed at 10.6 million tons of carbon dioxide equivalent. The City will strive to work toward reducing city-wide GHG emissions by 30 percent below 2012 levels by 2025.

(b) City-wide emission reduction targets will be clarified, modified, and

adopted through the Climate Strategy Process and will be completed simultaneously with the GHG assessments as required in Sections 24-14-5 and 24-14-6 of this Article.

Sec. 24-14-5. Municipal greenhouse gas assessment.

(a) An inventory of municipal GHG emissions shall be completed once every four years, with the first such assessment completed by August 1, 2020 with a review of 2019 municipal GHG emissions.

(b) The assessment shall account for the following:

(1) Gas and electricity used in owned and leased municipal buildings and facilities;

(2) Street lighting and traffic signals;

(3) Solid waste fugitive sources and incineration, including: landfill gas, incinerator emissions, fugitive emissions from public and private waste processes, sludge incineration; process emissions from waste water treatment; petroleum refining; and solid waste landfill disposal;

(4) Wastewater drainage, treatment and disposal;

(5) Water supply facilities collection, treatment and distribution;

(6) Municipal transportation, and,

(7) Other sources as recommended by the entity conducting the assessment.

Sec. 24-14-6. City-wide greenhouse gas assessment.

(a) In accordance with the standard methods utilized globally, an inventory of city-wide GHG emissions shall be completed once every four years, with the first such assessment completed by August 1, 2020 with a review of 2019 city-wide GHG emissions.

(b) The assessment shall account for the following:

(1) Gas and electricity used in existing private buildings and infrastructure, including: residential, commercial and industrial buildings and facilities;

(2) Solid waste fugitive sources and incineration, including: landfill gas, incinerator emissions, fugitive emissions from public and private waste processes, sludge incineration; process emissions from waste water treatment; petroleum refining; and solid waste landfill disposal;

(3) Fugitive emissions from mining, processing, storage and transportation of coal;

(4) Fugitive emissions from oil and natural gas systems;

(5) Land use impacts, which may include tree planing, tree canopies, vegetated areas and creation of carbon

sinks in all communities within the City;

(6) Agriculture, forestry and fishing activities;

(7) Transportation including: vehicles, railways, waterborne navigation, and aviation;

(8) Wastewater drainage, treatment and disposal; and

(9) Other sources as recommended by the entity conducting the assessment.

Sec. 24-14-7. Annual report to City Council.

(a) The Office of Sustainability shall provide an annual report to City Council. The report shall review the actions to reduce municipal and city-wide GHG emissions and shall include:

(1) An analysis as to whether the City has achieved the benchmarks set forth in Sections 24-14-3 and 24-14-4 of this Article;

(2) Details of the measures taken by the City to reduce municipal and city-wide GHG emissions;

(3) Detailed estimates of municipal GHG emissions including the following:

a. The cost to implement the identified municipal GHG emissions reduction measures;

b. The annual savings anticipated as a result of the identified municipal GHG emissions reduction measures;

c. The annual GHG emissions reductions anticipated as a result of the identified municipal GHG reduction measures.

d. The total municipal GHG emissions reductions anticipated by 2024, 2034, and 2050 as a result of the identified GHG emissions reduction measures; and

(4) Details of future strategies that may be implemented city-wide and within the municipality to reduce GHG emissions.

(b) The Director of the Office of Sustainability, or his or her designee, shall submit a report to City Council concerning the review of all actions taken, and the findings of any assessment completed, by January 31st of each year.

Secs. 24-14-8 — 24-14-20. Reserved.

Section 2. All ordinances or parts of ordinances, that conflict with this ordinance are repealed.

Section 3. This ordinance is declared necessary for the preservation of the public peace, health, safety, and welfare of the People of the City of Detroit.

Section 4. Where this ordinance is passed by a two-thirds (2/3) majority of City Council Members serving, it shall be given immediate effect and shall become effective upon publication in accordance with Section 4-118(1) of the 2012 Detroit

City Charter. Where this ordinance is passed by less than two-thirds (2/3) majority of City Council Members serving, it shall become effective thirty (30) days after publication in accordance with Section 4-118(2) of the 2012 Detroit City Charter.

(J.C.C. Page)
Passed:
Approved:
Published:
Effective:

July 9, 2019
July 23, 2019
July 24, 2019
August 8, 2019
August 8, 2019
JANICE M. WINFREY
City Clerk

