

Proposed Energy and Carbon Goals Resolution

Fiscal Note

This resolution would authorize up to \$250,000 in re-allocated funding to develop a plan for city operations to achieve goals of 100% renewable energy and net-zero **greenhouse gas** emissions. Funding would be used for third-party expertise required to develop a plan. Funds dedicated to “Sustainability Improvements” in the adopted 2017 Capital Budget are already available for this purpose.

Title

To update Energy and Carbon Goals in the Sustainable Madison Plan in response to changing science and technology around climate change, renewable energy and energy efficiency.

Body

WHEREAS, the City of Madison (City) desires to formulate and implement energy and carbon policy consistent with the environmental, economic and social objectives articulated in the Madison Sustainability Plan, the City’s Energy Work Plan, and existing State of Wisconsin energy policy applicable to local governmental units under Wis. Stat. sec. 1.12;

WHEREAS, the scientific consensus demands we limit global temperature increases below 1.5 to 2 degrees Celsius to avoid the most destructive and dangerous effects of climate change;

WHEREAS, existing City energy and carbon goals were created before the 2015 United Nations Climate Change Conference, or COP 21, **where 174 countries** developed even more aggressive global targets that have since been ratified by the United States;

WHEREAS, the Common Council has directed the Sustainable Madison Committee to “Create a working group of the Sustainable Madison Committee that includes other community stakeholders to review the City’s climate change goals and update if needed”;

WHEREAS, the “Energy and Carbon Working Group” has received public testimony, consulted with a variety of experts and identified ambitious and common sense goals during five working group sessions from July through November 2016;

WHEREAS, the 2017 Capital Budget includes \$750,000 directed toward “Sustainability Improvements” including renewable energy installations and energy efficiency improvements;

WHEREAS, the City of Madison aims to lead by example in the community, the state, and across the nation.

WHEREAS, the current Madison Sustainability Plan includes the specific air pollution, greenhouse gas, and renewable energy goals and actions to:

- **“Obtain 25% of electricity, heating and transportation energy from clean energy sources by 2025,”**
- **“By 2016, Madison will work with surrounding communities to obtain the American Lung Association’s highest grade possible for ozone and fine particulate levels (PM2.5), which means reducing the number of days where ozone or PM2.5 pollution reaches levels designated by the Air Quality Index (AQI) “Unhealthy for Sensitive Groups” during a three-year period,”**

- “By 2016, decrease ozone pollutants (NOx, SOx, CO and VOCs) to meet a standard of 60 ppb, which would be more protective of public health than current standard of 75 ppb. “
- “By 2020, eliminate incidences of Clean Air Action days, and days that reach the Air Quality Index (AQI) designation of “Unhealthy for Sensitive Groups” levels of ozone or fine particulate pollution. “
- “Reduce emissions, based on 2010 baseline, from mobile sources (NOx, VOCs, CO2) and emissions from stationary sources (GHG’s and SOx) by 10% every 5 years to get to a goal of 40% emissions by 2030.”
- “Reduce emissions, based on 2010 baseline, from solvents (VOCs) by 50% by 2030. “
- “Reduce PM2.5 pollutants coming from residential wood combustion by 50% by 2030. “
- “Reduce PM2.5 [pollutants] coming from construction activities (roads and building) by 25% by 2030.”
- “Based on 2010 baseline, reduce GHG (CO2 and CH4) by 80% by 2050, which will also reduce ozone and PM2.5, thereby improving public health.”

THEREFORE, BE IT RESOLVED, by the Common Council of the City of Madison that: The Sustainable Madison Plan must reflect scientific consensus and community aspirations and establish community-wide Energy and Greenhouse Gas goals of 100% renewable energy and net-zero **greenhouse gas** emissions, within a time-frame that aligns with sound and established science as the official energy and carbon goals of the City of Madison;

BE IT FURTHER RESOLVED, by the Common Council of the City of Madison that: The Sustainable Madison Plan will include new goals for City of Madison operations to achieve 100% renewable energy and net-zero **greenhouse gas** emissions;

BE IT FURTHER RESOLVED, by the Common Council of the City of Madison that: New renewable energy and greenhouse gas goals for community-wide and City of Madison operations shall not eliminate any existing air pollution, renewable energy, or net zero greenhouse gas goals but shall be understood to be *in addition to* existing goals within the Sustainable Madison Plan.

BE IT FURTHER RESOLVED, by the Common Council of the City of Madison that: By January 2018, City staff will develop a plan for City of Madison operations to achieve 100% renewable energy and net-zero **greenhouse gas** emissions that includes, interim milestones, budget estimates, estimated financial impacts, and target dates **consistent with or more timely than existing plan goals and benchmarked to comparable North American cities with existing goals as of December, 2016;**

BE IT FURTHER RESOLVED, by the Common Council of the City of Madison that: up to \$250,000 in re-allocated funding from funds already dedicated to “Sustainability Improvements” in the adopted 2017 Capital Budget shall be available for third-party expertise required to develop a plan for city operations to achieve goals of 100% renewable energy and net-zero greenhouse gas emissions;

BE IT FURTHER RESOLVED, by the Common Council of the City of Madison that: City staff will report on progress of City of Madison operations toward achieving goals to the Common Council in January 2019 and annually thereafter;

BE IT FINALLY RESOLVED, by the Common Council of the City of Madison that: The Sustainable Madison Committee will review and, if necessary, update community-wide goals in January 2019 and biannually thereafter.