



# MILWAUKEE COUNTY'S CLIMATE COMMITMENT



PREPARED FOR THE CITY-COUNTY  
JOINT TASKFORCE ON CLIMATE AND ECONOMIC EQUITY

NOVEMBER 26, 2019  
GORDIE BENNETT, SUSTAINABILITY DIRECTOR



# OUTLINE

- Services & Programs
- Energy & Fuel Use
- Climate Policies & Plans
- Climate Actions
- Next Steps





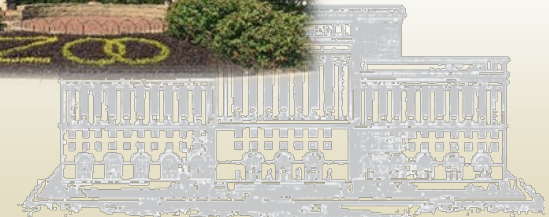
# SERVICES & PROGRAMS



ISONline



Panoramio (floydatic)





# OUTLINE

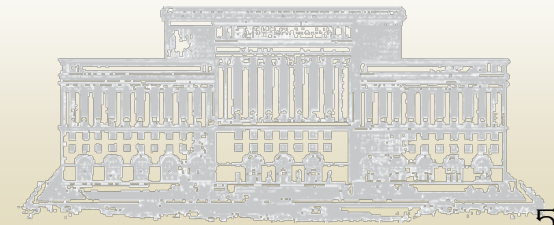
- Services & Programs
- **Energy & Fuel Use**
- Climate Policies & Plans
- Climate Actions
- Next Steps





# ENERGY & FUEL USE

- 2018 MKE County operations used:
  - 4.1 million gallons diesel
  - 123,000 MWh electricity
  - 4.7 million therms natural gas
  - 218,000 mlbs steam
- Primary source: fossil fuels
- Impacts environment and climate





# OUTLINE

- Services & Programs
- Energy & Fuel Use
- **Climate Policies & Plans**
- Climate Actions
- Next Steps





# CLIMATE POLICIES

- File No. 07-111: Creates “Green Print” initiative for MKE County.
- File No. 17-506: Establishes County will support principles and targets of Paris Climate Agreement.
- File No. 19-582: Backs creation of City-County Climate and Economic Equity Task Force.



# CLEAN ENERGY PLAN

- Adopted by MKE County Zoo in 2016
- Provides five-year roadmap for:
  - Reducing energy use by 20%
  - Reducing water use by 30%
- Progress to date:
  - High-performance buildings
  - Lighting and BCS upgrades
  - Sustainability and HVAC staff





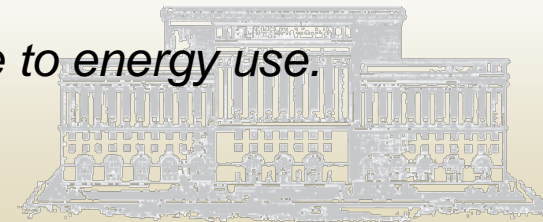


# SUSTAINABILITY PLAN

- Adopted by MKE airport in 2018
- Includes 'Climate Change' and 'Economic Prosperity' focus areas
- Includes climate-related goals:
  - Develop carbon reduction program
  - Be regional leader in carbon mgmt.
- Recommends annual carbon inventory



*Baseline inventory suggests 95% of MKE's emissions due to energy use.*





# OUTLINE

- Services & Programs
- Energy & Fuel Use
- Climate Policies & Plans
- **Climate Actions**
- Next Steps





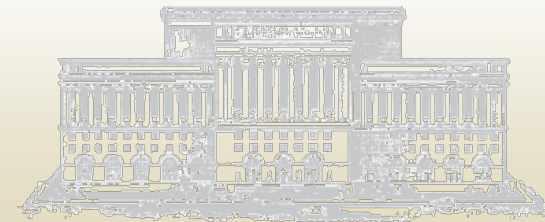
# ENERGY EFFICIENCY

- 20% energy reduction goal
- 11% reduction from 2014-18
- \$9.2 million+ in upgrades
- New Energy Program Manager
- Building commissioning program



BETTER  
BUILDINGS  
CHALLENGE

ecoCITY of  
MILWAUKEE





# RENEWABLE ENERGY



Rob Gebelhoff / MKE Business Journal





# PACE PROGRAM

## Project #1



### Fairfield Inn & Suites

Location: West Milwaukee

PACE Financing: \$1.1 million

Est. Savings: \$81,000/year

## Project #2



### TownePlace Suites

Location: Oak Creek

PACE Financing: \$2.5 million

Est. Savings: \$111,000/year





# ELECTRIC BUSES

- MCTS proposal\*:
  - Initial fleet of 15 battery-electric buses
  - Additional BEBs possible after 2025
- Up to 45% reduction in emissions
- Greater reductions possible with lower-carbon electricity.

\* Pending review and approval of County Board of Supervisors.  
See [File No. 19-908](#).



# OUTLINE

- Services & Programs
- Energy & Fuel Use
- Climate Policies & Plans
- Climate Actions
- **Next Steps**



# NEXT STEPS

- Measure & report emissions from County operations.
- Develop roadmap for reducing emissions in line with Paris Climate Agreement.
- Possible focus areas:
  - Energy efficiency
  - Renewable energy
  - Fleet electrification
  - Green infrastructure
- Evaluate and refine as needed.







# CONTACT

Gordie Bennett  
Sustainability Director

Milwaukee County

Department of Administrative Services

Facilities Management Division

Phone: 414-278-4837

Email: [sustainability@milwaukeecountywi.gov](mailto:sustainability@milwaukeecountywi.gov)

Web: <https://county.milwaukee.gov/sustain>

