

Climate action: what has the city been doing?

Buildings

- Energy efficiency installed in City facilities: ground-source heat pumps, HVAC upgrades (heat pumps, electric boilers), LED lighting, bldg. controls, windows, roof
 - 14 projects thru 2022
 - 13 current/future projects estimated 40,500 gallons fuel reduction in next 5 years
- Measuring energy use in ~ 60 City facilities to identify problems and priorities
- Ground-source heating and numerous efficiency upgrades at Juneau Airport
- Ground-source heat pump at Auke Bay Elementary School
- Since 2020, funding to Alaska Heat Smart for homeowner education & tech support for heat pump conversions. City matching funds to federal grants for lower income homes
- Integrated energy efficiency and sustainability considerations into capital spending (CIP) and deferred maintenance programs

Transportation

- Lessons learned from City's (and Alaska's) first electric public transit bus led to informed ordering of 7 federally-funded "next generation" electric buses for delivery in 2024
- Transit bus charging infrastructure to be installed at Valley Transit Center and City bus barn
- Study underway on Juneau Visitor Circulator
- Funded (fully or partially) over half of the 41 publicly accessible EV chargers in Juneau
- Five passenger EVs in City fleet
- \$5M federal grant application in July 2023 for EV charging infrastructure
- Funding committed for cruise ship dock electrification

Solid Waste

- \$2.5 M secured and another \$4 M federal grant application submitted in January 2023 for a municipal composting facility to divert methane-causing organics from the Juneau landfill
- A \$550,000 federal grant application submitted in June 2023 for public education about food waste
- A \$400,000 federal grant application submitted in June 2023 to partner with Juneau Composts! on paving the site the business leases from the City

City Staffing

- At least 2.0 full-time staff in Engineering/Public Works, Parks & Rec, Docks & Harbors, Tourism, etc. working on the above projects at the City

With thanks to Gretchen Keiser of the Juneau Commission on Sustainability and Denise Koch, Deputy Director of Engineering and Public Works for the City and Borough of Juneau

