



**ANCHORAGE CLIMATE
ACTION PLAN
2ND ANNUAL REPORT**

2021

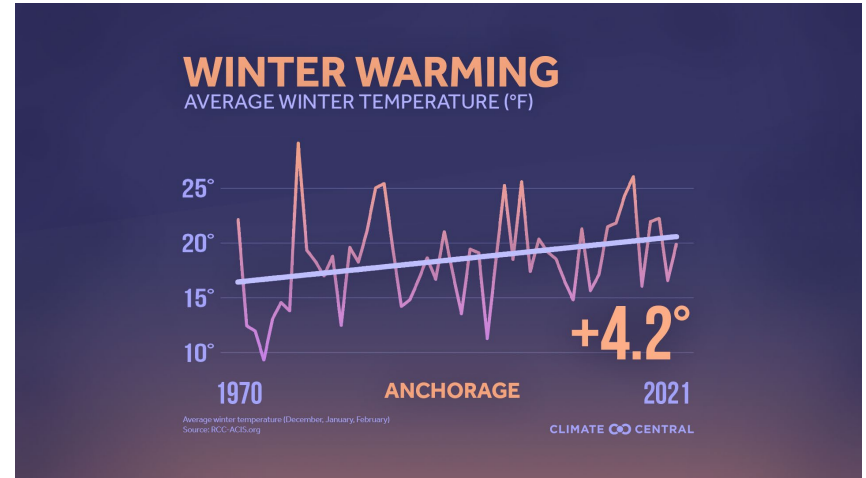
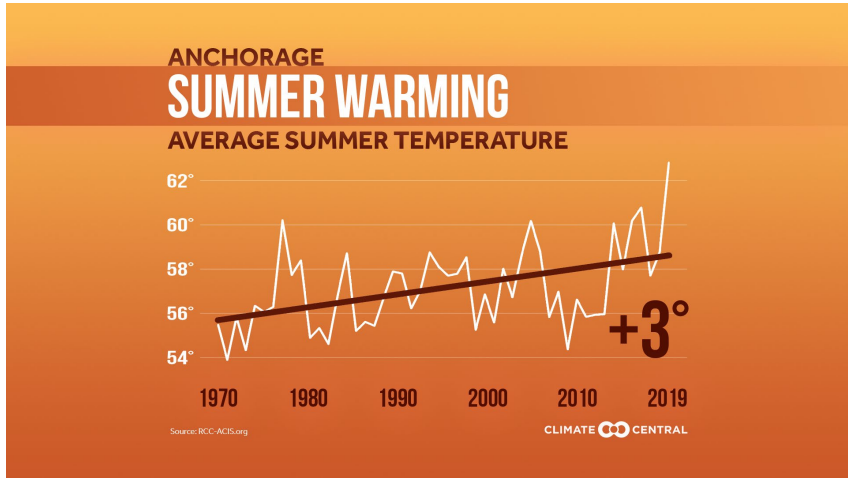


ANCHORAGE
Climate Action Plan



UNIVERSITY
of **ALASKA**
Many Traditions One Alaska

Warming in Anchorage



\$340 - \$700M per year: The likely annual net loss due to a warmer climate - from failing infrastructure to community relocation, increased wildfire frequency and shorter ice road seasons (Alaska)

- ACDA LED upgrades

- 7th and G St.
- 6th and H St.
- 5th and B St.
 - **36% savings**
 - **Improved safety**
 - **Less maintenance**

“It’s a win for the taxpayer, downtown patrons and work force, tourists, and the Municipality.” Mike Robbins, ACDA Executive Director



- LED upgrades:

- Eagle River Town Center
- Ben Boeke Arena
- Dempsey Anderson Arena
- Russian Jack Greenhouse
- Kincaid Park
- Tikishla Park
- West High School Pool

Solar Panels

- Egan Center (75kW)
- Fire Station 10 (9.3 kW)
- M&O Warehouse (9.3 kW)
- Anchorage Regional Landfill (50kW)

Landfill Gas to Energy (7MW)

- Powers the equivalent of 60,000 homes

Up Next

- Two AWWU generation projects, totaling over 500 MWH of energy per year



50 kW of solar at the Anchorage Regional Landfill

BUILDINGS + ENERGY



www.akcpace.com

www.muni.org/cpace

C-PACE Expansion Bill, HB 227
passed May 2022

Awaits Governor's signature



ReNEWvation Program

*Loan Program for home upgrades and
construction advice*

Grants for up to \$5,000 for energy upgrades

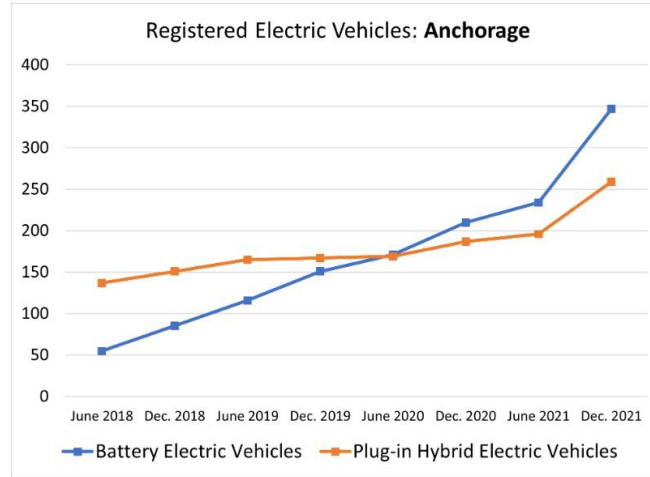
www.nwalaska.org/homeownership/home-loans



LAND USE + TRANSPORTATION

Alternative Fuels

- 220 Electric box truck integrated into fleet
- Integrate Alaska's first electric garbage trucks (\$690k grant from Dept. of Energy + \$25k grant from Alaska Energy Authority)



Source: Chugach Electric Association

- OUR DOWNTOWN District Plan Draft Complete
- Title 21 proposal to support mixed-use developments and parking reduction
- AMATS Non-Motorized Plan approved and progress towards Metropolitan Transportation Plan



CONSUMPTION + SOLID WASTE

- Constructing new Central Transfer Station to include cogeneration unit
- Powered the equivalent of over 60,000 homes with landfill gas
- Developing leachate disposal system to reduce operating costs and emissions

Did you know your trash creates energy?

SWS uses gas created at the landfill to power JBER!



265,000
TONS

of trash a year
move through the
Central Transfer Station

... That much trash can fill the
BP building
in garbage every

MONTH.



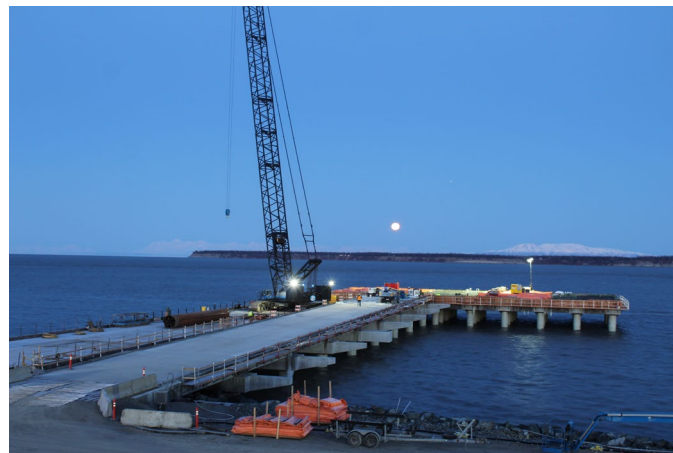
Completed compost feasibility study and purchased 500 compost carts through USDA grant

HEALTH + EMERGENCY PREPAREDNESS

Port of Alaska Modernization Progress: increase dock height 4' to accommodate sea level rise; develop microgrid for resiliency

Office of Emergency Management:

- Emergency Response Team formed
- All Hazards Mitigation Plan Update
- Comprehensive Emergency Operations Plan
- Improving language access for residents





URBAN FOREST + WATERSHEDS

- Beetle kill and invasive plant mitigation (Parks and Recreation)
- Anchorage Water and Wastewater Utility: 92nd Avenue and Reservoirs 3&4 Circulation Line Projects to generate ~550 MWH annually
- Firewise Planning in preparation of growing wildland fire hazard (Anchorage Fire Department)



Dena'ina Athabaskan-inspired renovations to Frontierland Park



Youth improve parks and trails, Parks and Rec Department





www.muni.org/ClimateActionPlan
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