

Fairbanks Museum & Planetarium

Climate Change Resiliency and Renewable Energy

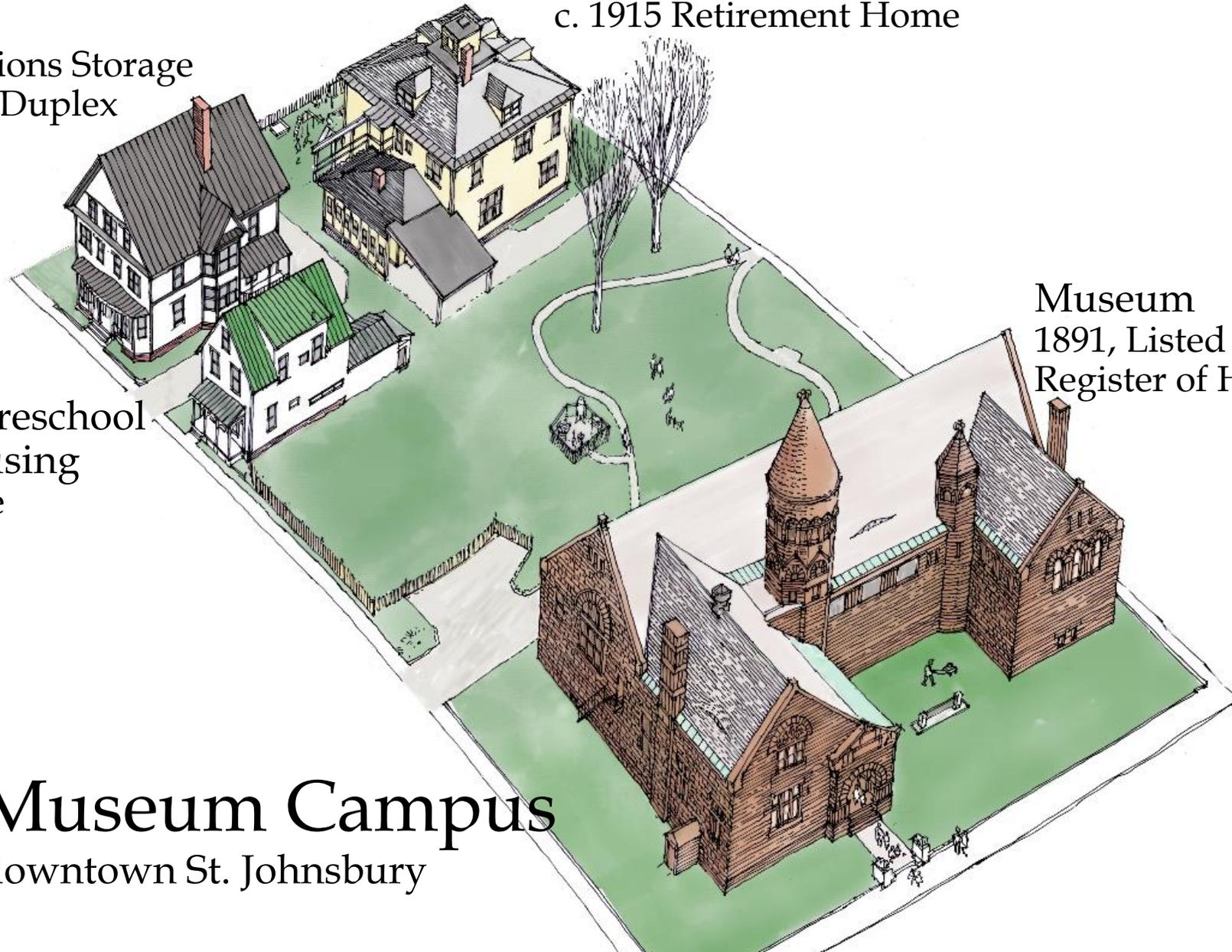
McGuire Center
Administrative Offices, Eye on the Sky, and Archives
c. 1915 Retirement Home

Collections Storage
c. 1880 Duplex

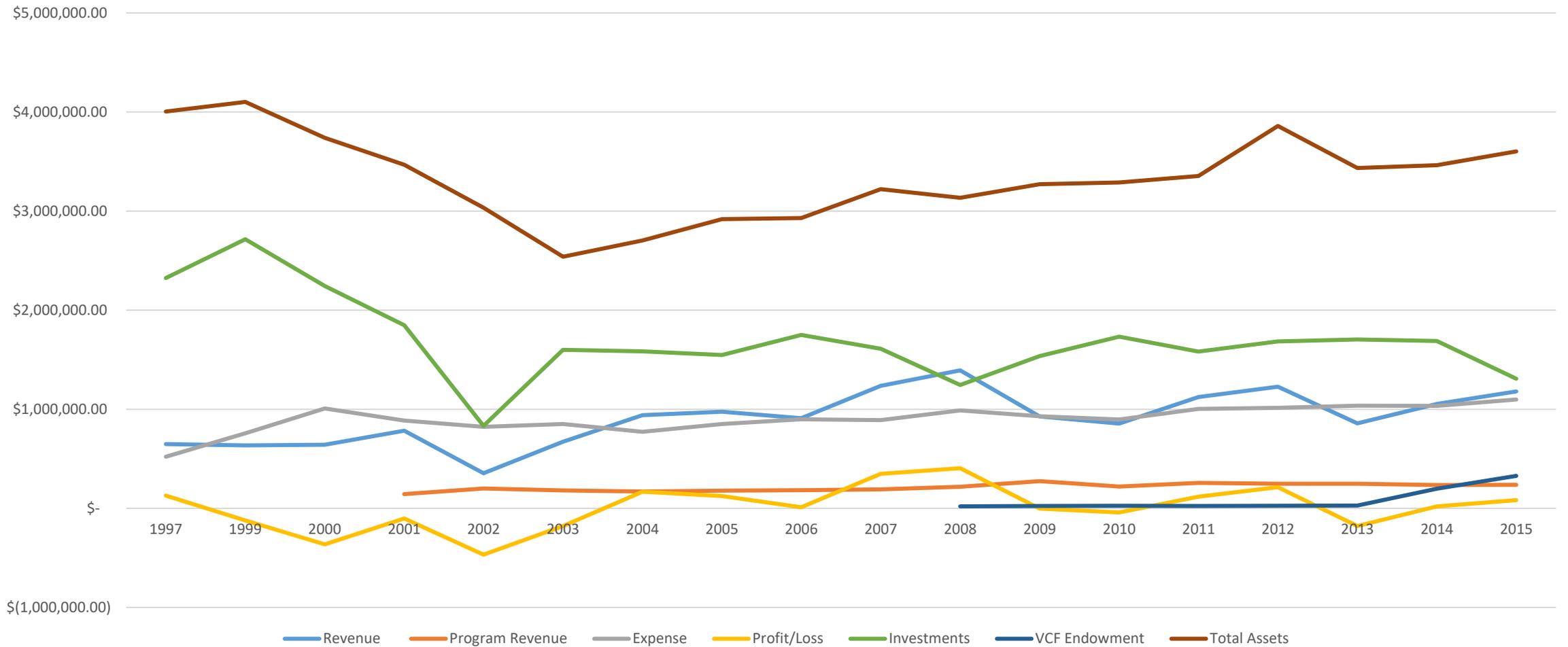
Balch Nature Preschool
and Intern Housing
c. 1895 Residence

Museum
1891, Listed on the National
Register of Historic Places

Fairbanks Museum Campus
1.5 acres in downtown St. Johnsbury



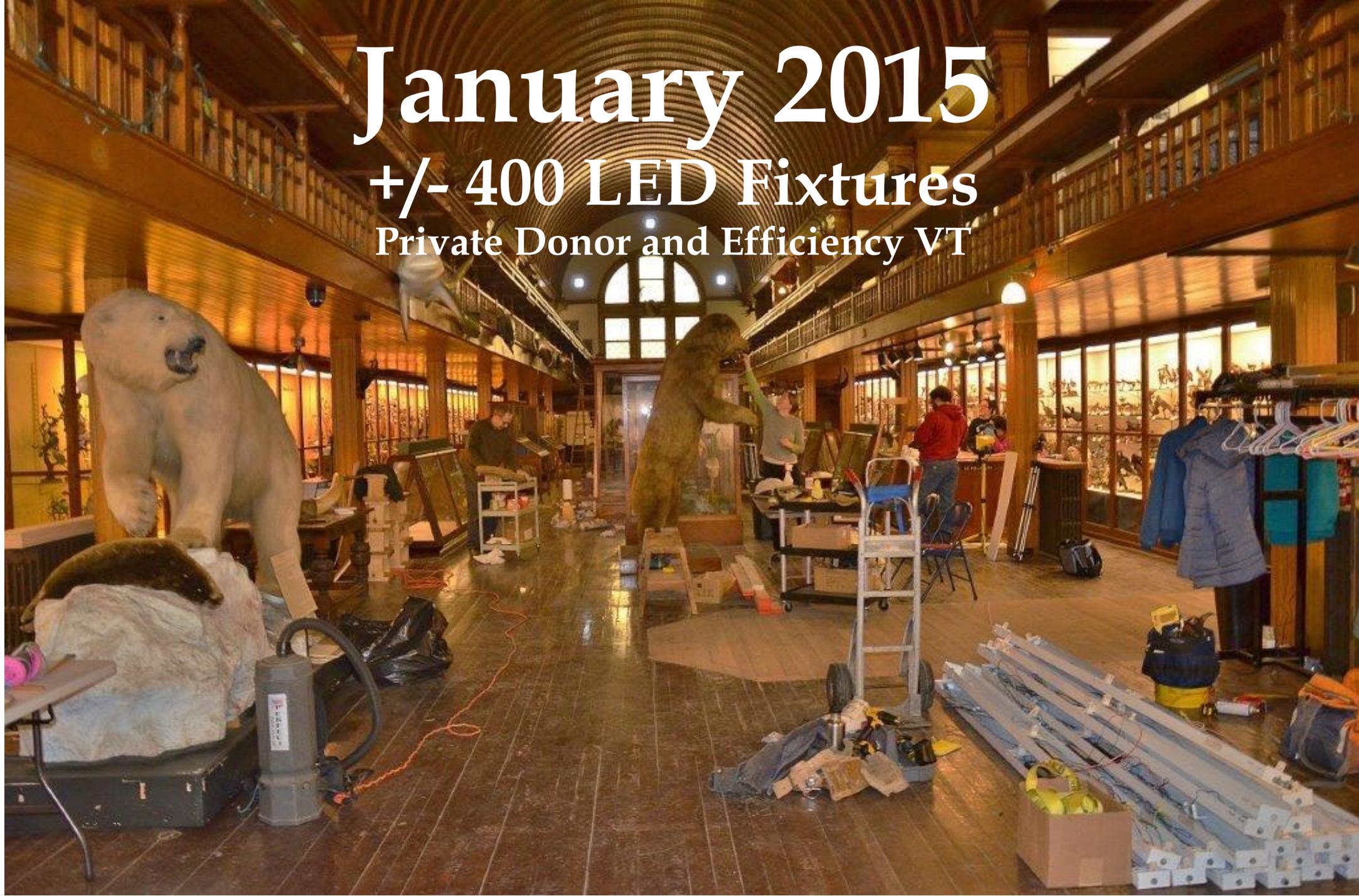
Fairbanks Museum Finances 1997-2015



January 2015

+/- 400 LED Fixtures

Private Donor and Efficiency VT





First Solar: 10kW
Fall 2015
GMP and Private Donor

Second Solar: 12kW

2016

Green Mountain Community Solar in Groton
USDA Community Facilities
and Private Donor



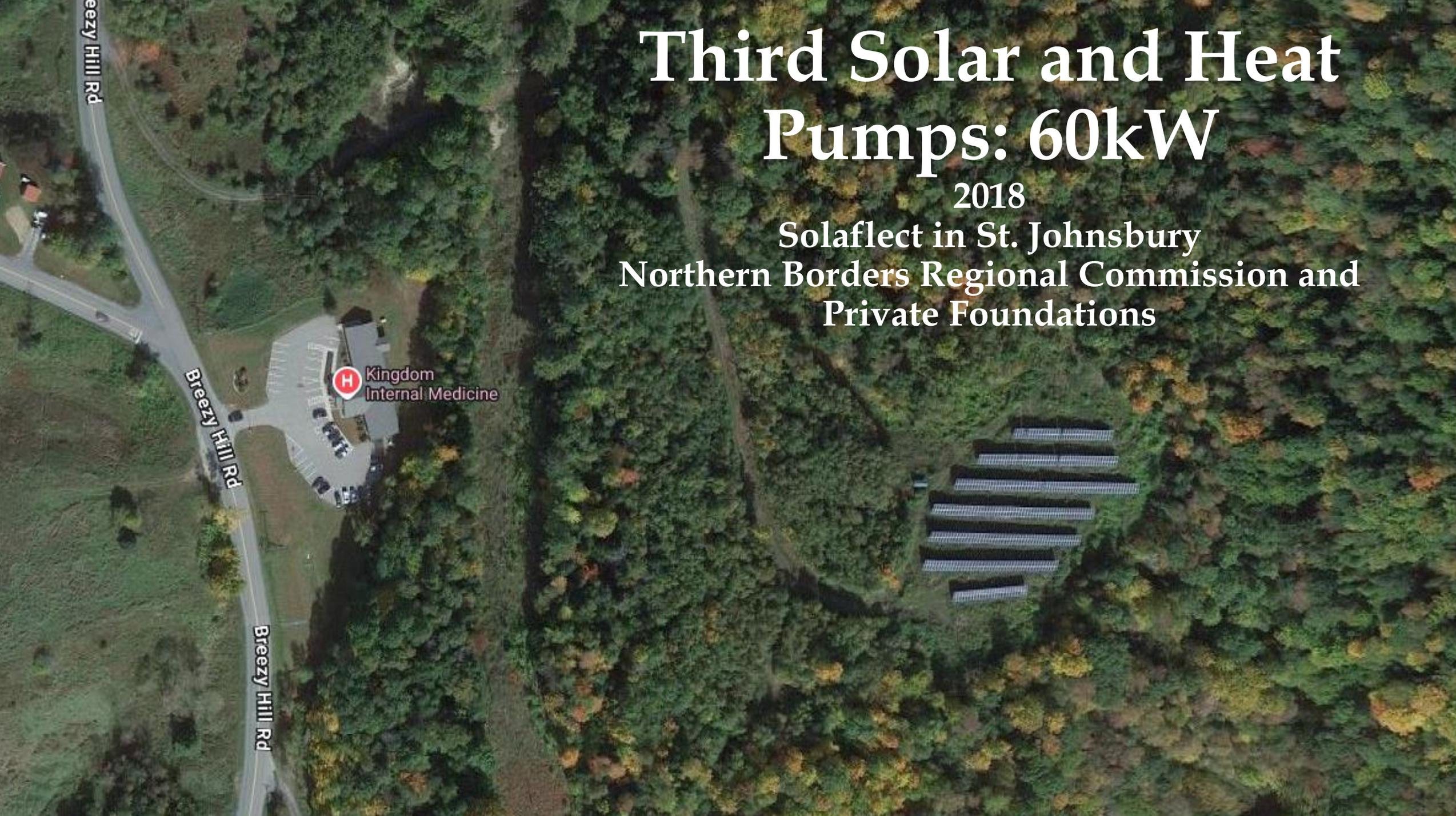
Layers

Google

Third Solar and Heat Pumps: 60kW

2018

Solaflect in St. Johnsbury
Northern Borders Regional Commission and
Private Foundations



Kingdom
Internal Medicine

Breezy Hill Rd

Breezy Hill Rd

Breezy Hill Rd

Fourth Solar, EV Charging, Batteries, and Powerlines: 26kW

2020-21

SunCommon and Alliance Construction
Economic Development Administration and
Private Foundations





VIA
VERMONT INTEGRATED
ARCHITECTURE, PC

Tang Science Annex and Restoration Project

2022-24

Ground Source Geothermal

Mass Timber

Climate Change Hardening

Accessibility

STEM Exhibits

CCV-St. Johnsbury Site

Science Annex: Mass Timber Project

Primary Funders: USDA Community Facilities, Northern Borders
Regional Commission, U.S Forest Service Wood Innovation Program,
VT Capital Investment Program



Science Annex: Geothermal Heating/Cooling

2022-24

Primary Funder: Inflation Reduction Act Tax Credits?
\$378,000 Now Uncertain



Restoration Project

2022-24

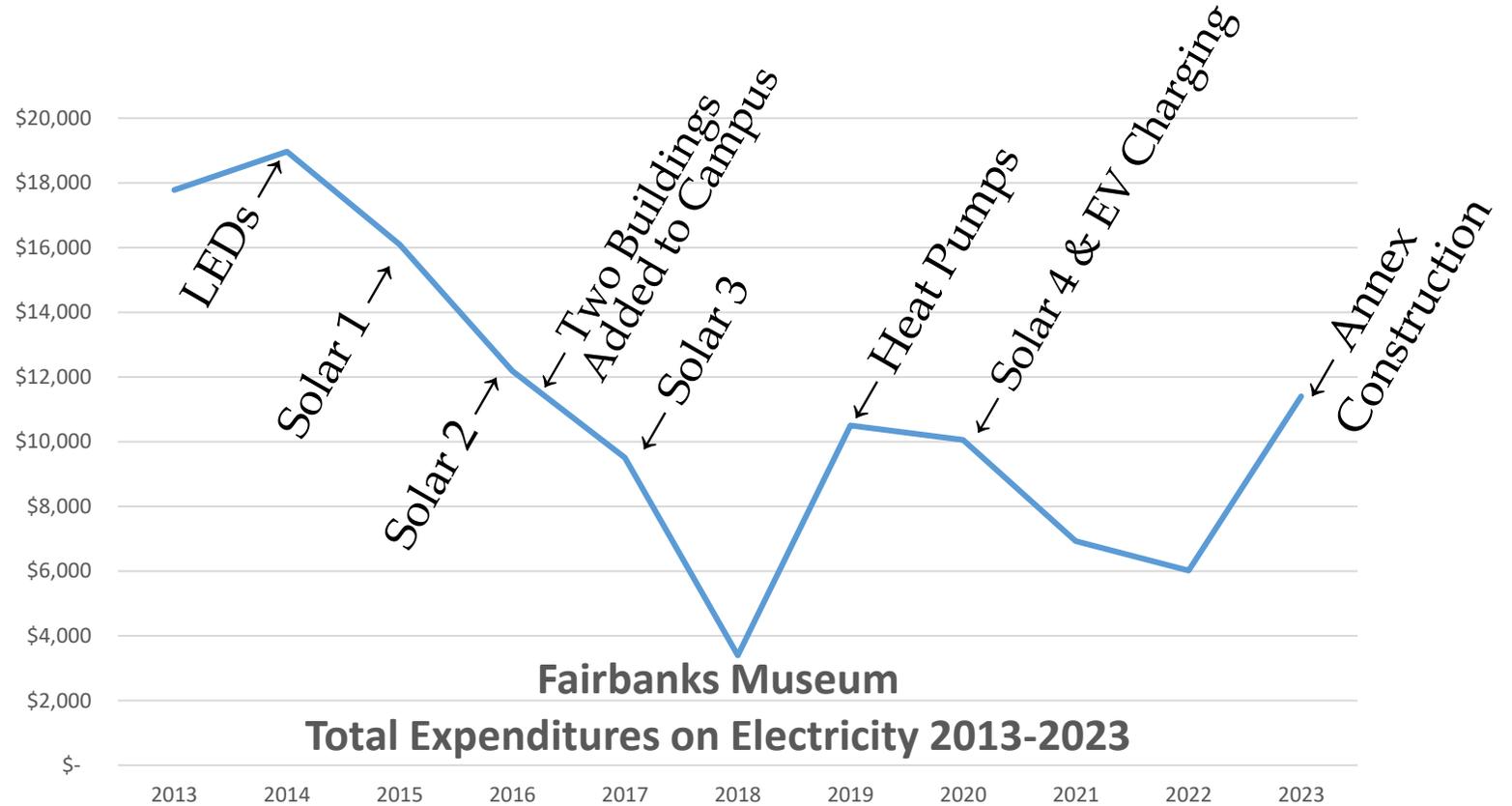
Primary Funder: National Park Service's Save America's Treasures Program and Private Foundations



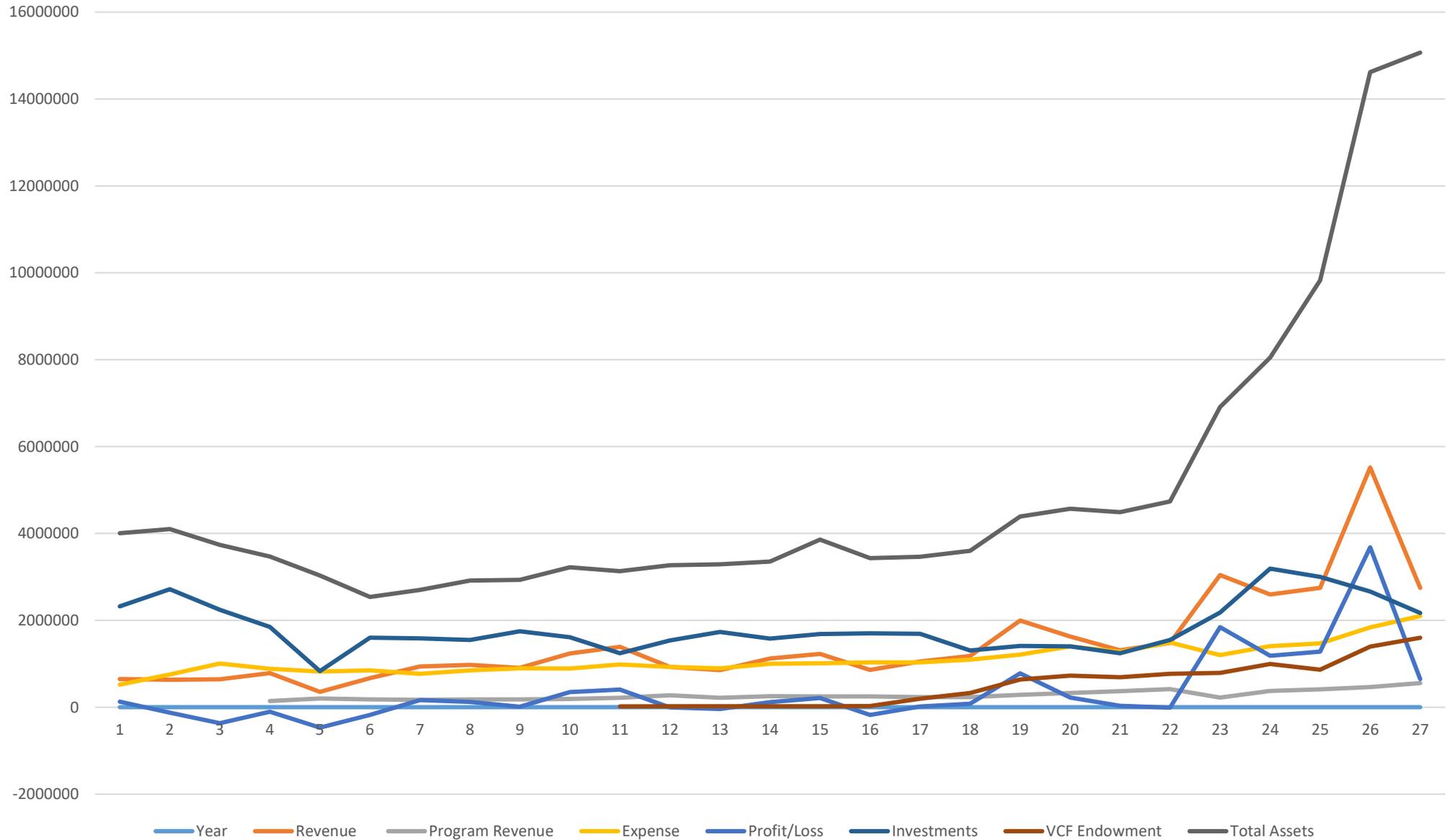
Accumulated Cost of Electricity
2013-2023 = \$122,835

Savings Based on 2013 Basis =
\$72,745

Additional EV Charging Revenue =
\$7,600



Fairbanks Museum Finances, 1997-2024



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