

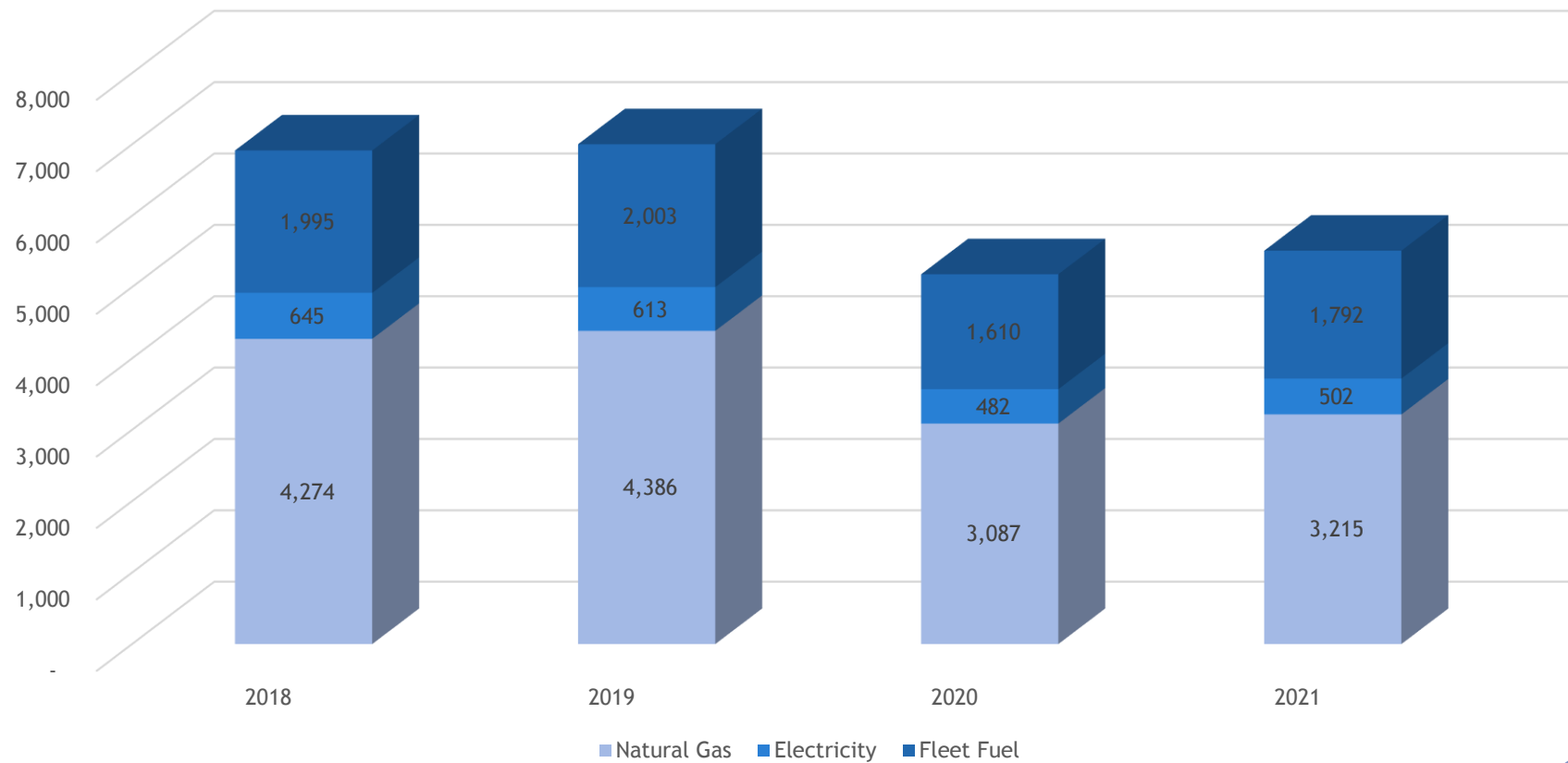


Corporate Energy & Emissions Management Plan Update

Tom Pedlar - Corporate Energy & Emissions Coordinator

2018 - 2022 Data - How are we doing?

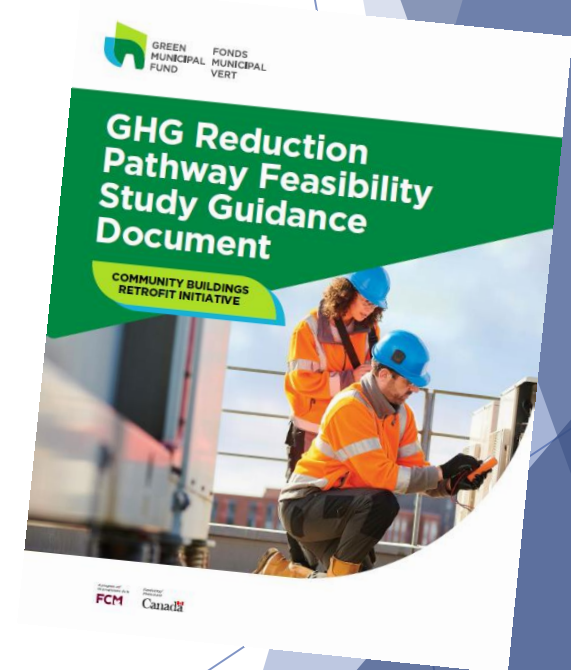
Corporate Emissions (t eCO₂)



Deep Energy Retrofit Studies

► Appleby Ice Centre, Brant Hills Community Centre, Fire Station 2, Fire Station 7

1. Site and Energy System Investigation
2. Calibrated Energy Model of the Existing Facilities
3. Integrated Design Workshop
4. Measure level analysis
5. GHG Reduction Pathway Scenarios and Package analysis
6. Decision Making Workshop
7. Final Report





- Funded through NRCan, TAF and Municipal Partners
- Focusing on re-cladding existing buildings and replacing mechanical systems to suit new insulation values.
- Burlington's building included in the study will be the Burlington Seniors Centre.



Solar PV Capital Plan

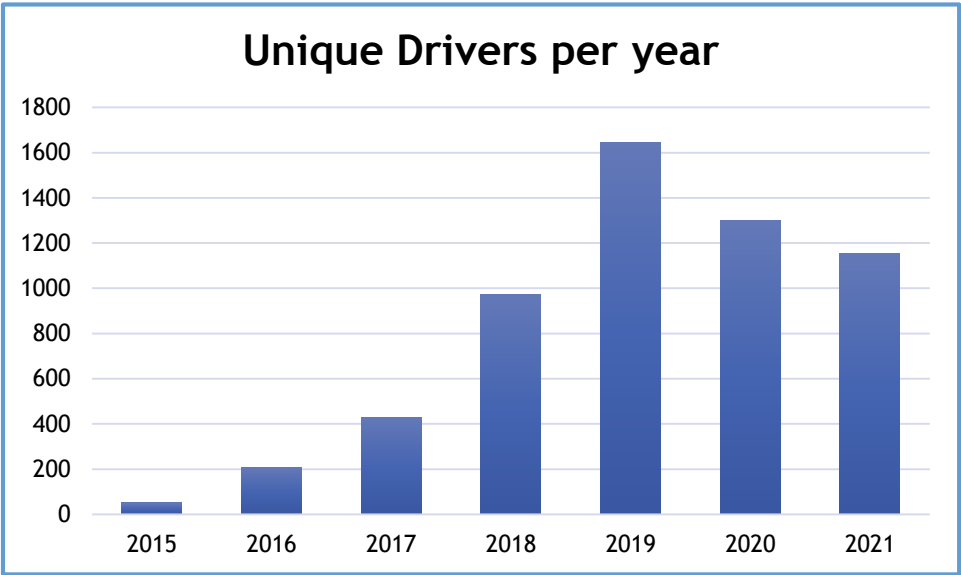
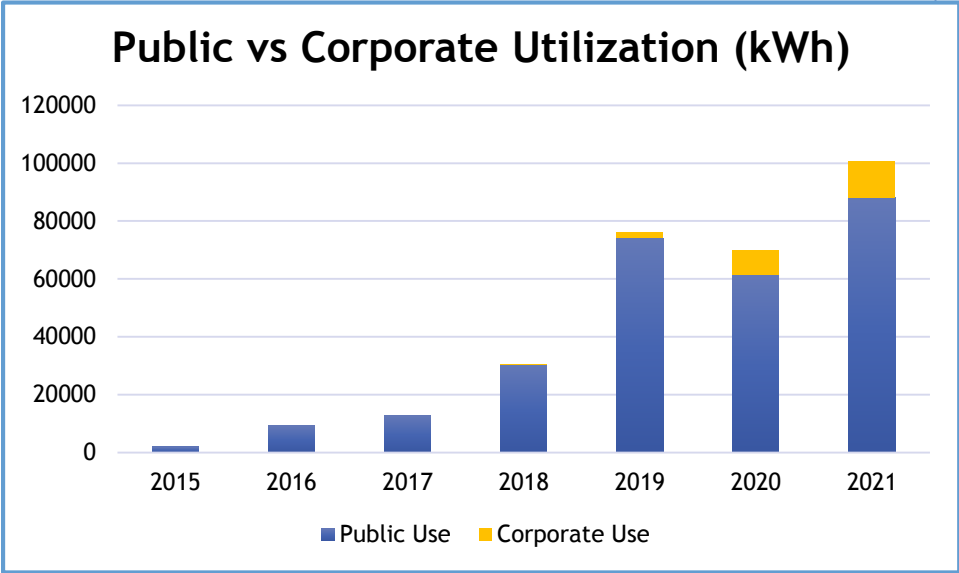
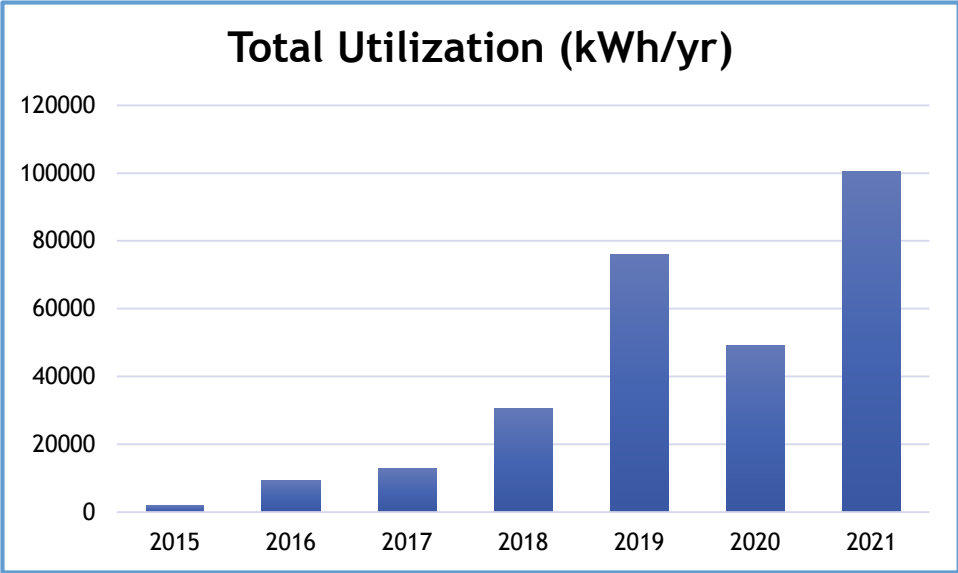
- Review of the potential for the City's assets to have solar PV was completed in 2021.
- Currently working these projects into the 10 year capital plan following roof replacements.

Facility	System Size (kW)	Annual kWh Generated	Offset from total electricity at facility	Estimated Year of Installation
Fire Station 5	30	33,000	112%	2023
Fire Station 1	90	108,000	30%	2025
Brant Hills Community Centre	132	159,000	76%	2024
Nelson Rec Centre	274	302,000	80%	2025
Appleby Ice Centre	978	1,152,000	30%	2027

Electric Vehicle Charging Expansion

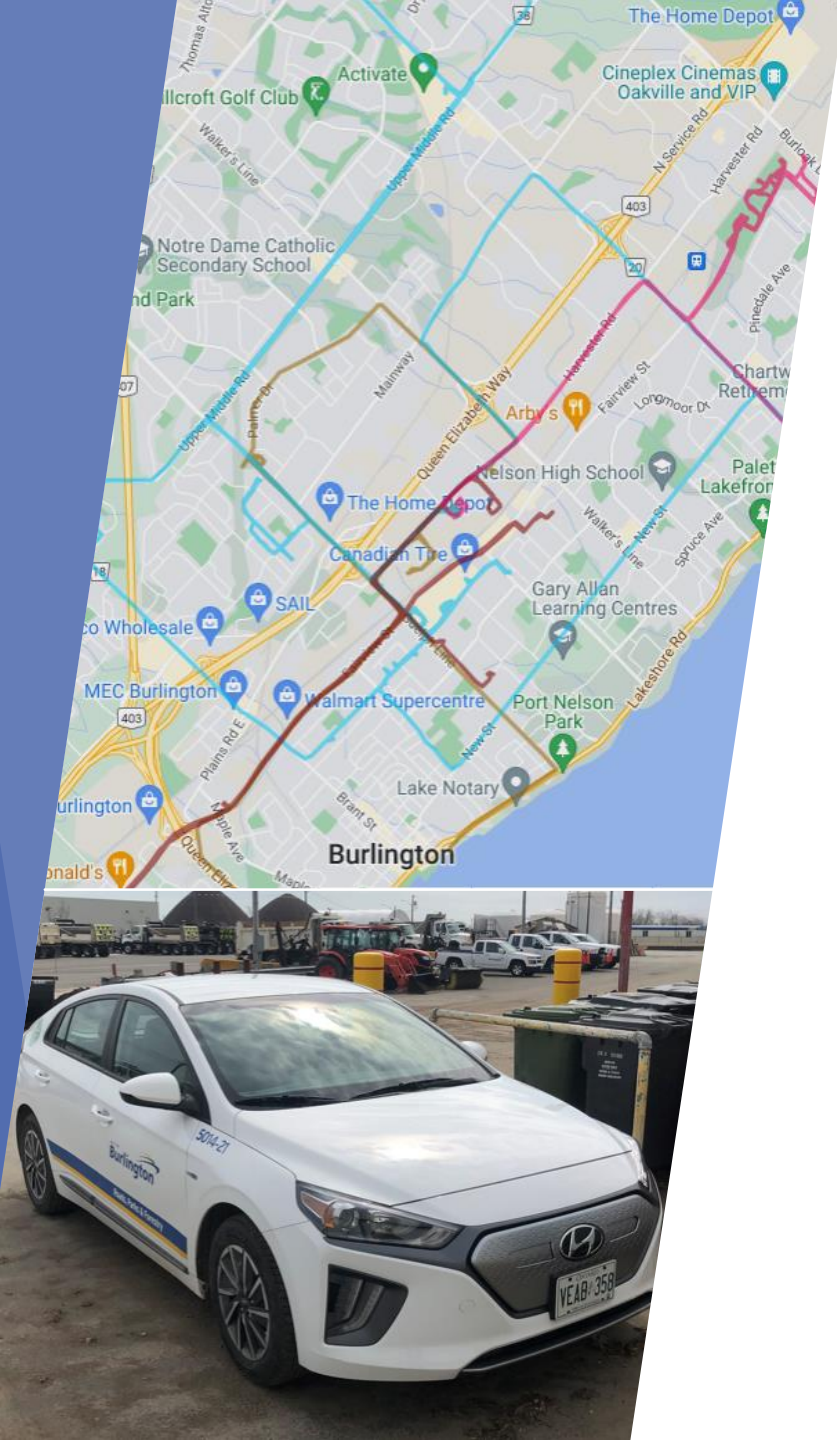
- ▶ Recent Installations at:
 - ▶ Central Arena (2)
 - ▶ Downtown Parking Lot 1 (Elizabeth St)
- ▶ Funding from The Atmospheric Fund for 8 new dual head stations around City facilities.
 - ▶ Mountainside Rec Centre
 - ▶ Appleby Ice Centre (2)
 - ▶ Mainway Rec Centre
 - ▶ Nelson Rec Centre
 - ▶ Haber Rec Centre/Norton Park
 - ▶ Tansley Woods Community Centre (2)

Electric Vehicle Charging Data



Fleet Updates

- ▶ Automatic Vehicle Locator (AVL) Project
- ▶ Update to the Green Fleet Strategy
- ▶ Recent Plug In Hybrid and Battery Electric Vehicle purchases.
- ▶ Electric Equipment Purchases
- ▶ Burlington Transit electrification study with CUTRIC



Major Projects

- ▶ Completion of City View Park Pavilion
- ▶ Tender and Construction of Skyway Arena
- ▶ Renovation of Robert Bateman High School





Questions?

Tom Pedlar - Corporate Energy & Emissions Coordinator