

Attachment 1
Corporate Environmental Action Plan 2022 Progress Report DRAFT

WATER CONSERVATION

Objective W1: Reduce Town owned facility water consumption

Objective W2: Reduce the uncontrolled and inadequately controlled storm water areas with respect to both quality and quantity by following recommendations of the Town's Comprehensive Storm water Management Master Plan

- Town Square Greywater system will be operational next year (2024) (W1)
- Number of water meter installations: (W1)
 - 2021: 315
 - 2022: 1000 (104.2% increase compared to 2021)
- Stormwater ponds inspections conducted by the LSRCA on an annual basis and reports are generated and provided to the Town with identified deficiencies. (W2)
- Design for the installation of a new OGS unit along the Murray Drive culvert was completed in 2022. Installation of OGS unit is anticipated to commence in 2023. (W2)
- Engineering and Operations Divisions completed a retrofit of a stormwater management pond facility (WC3 – near Deerhorn Crecent and Kennedy St W). Retrofit consisted of an enlargement permanent pool and a pond cleanout. (W2)
- Operations Division cleans out OGS units on an annual basis (W2)
 - Total number of OGS cleanouts in 2021: 10 units
 - Total number of OGS cleanouts in 2022: 7 units (35.3% decrease compared to 2021)
 - Total number of catch basin cleanouts in 2021: 1,499 units
 - Total number of catch basin cleanouts in 2022: 1,682 units (11.5% increase compared to 2021)
- Total disposal of waste gathered from cleanout activities in 2022: 105 tons (2.5% increase compared to 2021). (W2)
- Operations Division provided maintenance to the LID located at the Aurora

Cultural Centre parking lot. (W2).

- Engineering Division adopting soil regulations (O.Reg 406/19) into design and construction tenders to improve the reuse of soils during construction projects. (W2).
- Engineering Divisions adopting York Region's Infiltration and Inflow Standard for future projects to reduce I&I development on new sanitary sewers. (W2)

SUSTAINABLE URBAN DEVELOPMENT

Objective S1: Foster a sustainable green development and alternate methods of transportation to improve the quality of life of Aurora's residents and Town staff.

- The establishment of the formal policy on Alternative Work Arrangements was developed in 2022 and approved in 2023. Approximately 65% of Town employees are participating in hybrid which reduces the amount of commuting. (S1 and C3)
- Engineering Division introduced a project on the development of a turtle crossing project on Henderson Drive to address wildlife conservation. The project was in its design phase in 2022 with construction anticipated to commence in 2024. (S1)
- Design of new sidewalk projects, located along Edward Street and Industrial Parkway North, to promote active transportation for residents (S1)
- Community garden was planned for a new park construction in the 2C lands. Construction anticipated to commence in 2023, provided available funding. (S1)
- The Town applied for a grant offered through the Green Municipal Fund involving the development of a Feasibility Study for a Community Efficiency Financing Program within the Town. (S1)

WASTE REDUCTION and DIVERSION

Objective D1: Implement sustainable construction practices to reduce waste, incorporate sustainable design and reclaim or recycle materials.

Objective D2: Reduce waste going to landfill disposal.

- Engineering Division incorporated sustainable construction practices for 2022 road reconstruction projects: (D1 and D2)
 - Recycled concrete for granular use for right-turn construction (road widening) project at Yonge and Wellington.
 - Asphalt grindings were used to improve deteriorated pavement at the end of Dunning
- Reuse of existing frames and lids incorporated for catch basin or manhole repairs. (D1 and D2)
- Community waste diversion tracking: (D2)
 - 2018: Aurora's diversion rate: 65% (Baseline)
 - 2019: Aurora's diversion rate: 65%
 - 2020: Aurora's diversion rate: 64%
 - 2021: Aurora's diversion rate: 66%
 - 2022: Aurora's diversion rate: 70% (Increase of 5% compared to 2018)
- Front-end multi-residential recycling program tracking: (D2)
 - 2019: Multi-res participation: 28 buildings
 - 2020: Multi-res participation: 29 buildings
 - 2021: Multi-res participation: 30 buildings
 - 2022: Multi-res participation: 30 buildings (Increase participation rate by 6.9% compared to 2019)
- Bag Tag Program was implemented in January 2022. (D2)
 - The total number of bag tags purchased in 2022: 3,560.
 - The total revenue generated from the bag tag program in 2022: \$17,800.00
- Annual Stewardship Programs (D2 and A1)
 - Event 1: eWaste – January, May, and October
 - Event 2: Cleanup – April and September/October – to be implemented in 2023
 - Event 3: Compost giveaway program – held once a year
 - Event 4: Community garage sale – normally held in summer
 - Event 5: Blue Box Collection Program – continues annually up to 2026

BIODIVERSITY and NATURAL HERITAGE

Objective B1: Enrich Aurora's ecology by protecting and preserving biodiversity.

- Expansion of the David Tomlinson Nature Reserve, located in the 2C lands, into the second phase. Second phase includes trails, boardwalks, native plantings, and ecological features. (S1 and B1)
- Parks Division planted 1,933 trees in 2022. This exceeded tree planting in 2021 by 1.72%. Tree plantings are not part of the tree compensation program. (S1 and B1)
- Online promotions were administered to the public to promote against feeding wildlife on Town-owned property. (B1 and A1)
- The Phragmites strategy was approved by Council in 2022, including operational funding for the next four (4) years. (B1)
- The Town is involved with ongoing partnerships with residents/community groups to remove invasive species including Garlic Mustard and Buckthorn; outreach programs also implemented on this effort. (B1)

CLIMATE CHANGE and ENERGY

Objective C1: Prepare a Climate Change Adaptation Plan

Objective C2: Implement the Provincial Climate Change Plan Actions

Objective C3: Reduce the town's greenhouse gas emissions by town staff and at town facilities. * Actions pulled from the Provincial Climate Change Plan

- The Climate Change Adaptation Plan was completed and endorsed by Council in 2022. (C1)
- The Green Development Standards Phase I was completed and endorsed by Council in 2022. (C1)
- Climate change lens included in the Town's updated Official Plan. (C2)
- Fleet Division continued to upgrade their vehicle fleet with the purchase of more fuel and technologically efficient vehicles. Also in the process of the procurement of an EV Ice Re-surfacer and Ice Edger. (C3)
- Facility Annual Energy Consumption (Natural Gas/Electricity) (C3)
 - Base year: 2018
 - 2018: 23,180,806 equivalent kilowatt-hours
 - 2019: 24,641,678 equivalent kilowatt-hours
 - 2020: 19,860,541 equivalent kilowatt-hours
 - 2021: 19,828,350 equivalent kilowatt-hours
 - 2022: 19,386,242 equivalent kilowatt-hours (2.3% decrease compared to 2021)
- Monthly Building Performance meeting setup with Facility staff and Energy and Climate Change Analyst, to discuss ongoing energy projects, operational changes, energy consumption, trends, best practices for energy conservation, new technologies, utility incentives etc. (ongoing since 2020) (C3)
- EV Charging Station Data (C3)
 - Total charging sessions in 2022: 1,300 sessions
 - Total electricity consumption used in 2022: 12,244 kWh
- The Town generated 649,131 kWh of electricity through its solar PV systems across four (4) Town-owned facilities. (C3)
- Facilities Division hired a consultant to conduct a Building Condition Assessment study across all Town-owned buildings which included energy conservation measures. (C3)

- Council approved \$50,000 in 2022 budget for capital projects involving energy conservation measures at Town-owned facilities. (C3)

ENVIRONMENTAL AWARENESS

Objective A1: Encourage the stewardship of Aurora's natural resources and advance green initiatives by promoting community involvement.

- Shared York region social media messaging related to water quality. Partnered with the region to access Water related print materials that are given out at Access Aurora. (A1)

- Aurora Chamber Street Festival - Presence of Enbridge Gas, as a Presenting Sponsor, providing information on Home Energy Rebate Plus (HER+) and Home Winterproofing Program (HWP). KPIs from event: (A1 and C3)
 - # of interactions: 210
 - # of sign-ups for HER+: 45

- Shared LEAF social media messaging regarding Backyard planting program, as well as Arboretum and LSRCA efforts. (A1)

- Parks promoted the adopt-a-park program to Town residents (Ongoing initiative), as well as supported the Arboretum planting, Neighborhood work, and the planting of trees and shrubs. (A1)