

Climate Change Initiatives

Summary Presentation

Agenda

Introduction

- Strategic Plan
- Climate Change Action Plan

Current Climate Change Initiatives

- Summary of Activities
- Plans Developed
- Grant Submissions
- Reporting and Updates
- Ongoing Projects & Program
- Community Outreach
- Collaborative Approach

Future Climate Change Initiatives

- Plans, ByLaws, & Policies
- Programs, Projects, & Engagement





Introduction

Climate Change Initiatives: Summary Presentation

Strategic Plan

Mission: To efficiently deliver a high standard of municipal services and dependable infrastructure to support the community and to take leadership in planning, decision-making and policy development to ensure a healthy and financially sustainable future.

Strategic Pillars



Vibrant & Complete Community



Good Governance



**Enrich Community Assets,
Environment, & Infrastructure**



Optimize Organizational Excellence

Environmental Stewardship Lens

Actions outlined under the pillars align with the Town's ongoing climate change initiatives and include:

- Develop Natural Asset Plan
- Implement Climate Change Adaptation Plan
- Develop Invasive Species Plan
- Research and Community Engagement for Waterfront Plan
- Research and Data Collection for Coastal Protection Program
- Integrate Sustainability and Green Infrastructure Principals

Climate Change Adaptation Plan (CCAP)

Vision : Niagara-on-the-Lake will demonstrate leadership and innovation to protect the community's natural beauty, charm and heritage against the impacts of climate change today and into the future.



Integrate Climate Change into Plans, Policies, By-Laws and Standards



Urban Forest Resiliency



Reduce Flooding Risks



Incorporate Climate Change in Design and Construction



Minimize Health and Safety Risks to Community Members



Support Public Awareness and Education

Current Climate Change Initiatives

Operations



Summary of Activities

- Plans in Development
- Policy/By-Law Reviews
- Grant Submissions
- Niagara Region—Corporate Climate Action Plan
- Development Application Resources
- Energy Management Reporting
- CCAP Tracking
- Review of Town Approved Tree Species
- Committees & Networks
- Workshops & Webinars
- Events
- Website & Social Media

Natural Asset Management Plan

Purpose: To assess and manage green infrastructure, supporting sustainable asset management planning in compliance with O. Reg. 588/17.

Update : Initial draft completed & under review.

In development by: Niagara-on-the-Lake



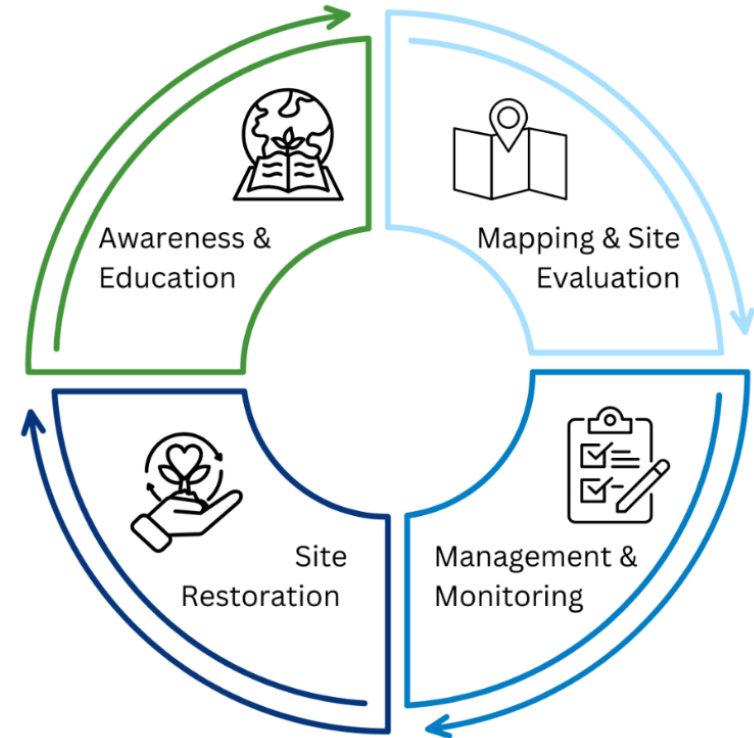
Natural Asset Management Framework

Invasive Species Management Plan

Purpose: To define steps staff will take to manage invasive species.

Update : Initial draft completed.
Mapping models under development.

In development by: Niagara-on-the-Lake



Natural Asset Management Framework

Grant Submissions



Heritage Trail Restoration

Led by: Government Relations, Economic Development, and Tourism Office

Status: Awarded \$2,500 for restoration effort along Trail



From Assets to Action

Led by: Climate Change Coordinator

Status: Pending approval
Total Project Value: \$130,000



From Biogas to Biomass

Led by: Climate Change Coordinator

Status: Pending approval
Total Project Value: \$90,300

Reporting & Updates



Development Application Resources

Status: Complete

Comments & infographic developed to include climate lens on new development projects.



CCAP Tracking

Status: Complete

Excel database established to track on going CCAP actions.



Energy Management Reporting

Status: Complete

Continuation of annual STARs Energy Portfolio report submissions.



Tree Species List Review

Status: Complete

Recommendations provided to increase tree species list for approved planting.

Ongoing Projects & Programs



Corporate Climate Action Plan (Developed by: Consultant)

Status: In development
Supports CCAP action 4.5



NPCA Watershed Plan

Status: In development
Strategic Plan support & CCAP
action 3.2



Greening the Landscape Research Consortium (Phase 2)

Status: In development
Supports CCAP action 2.6



Coastal Protection Program (Data Collection)

Status: In development
Supports CCAP action 4.4 & 5.2



Natural Asset Inventory

Status: Anticipated start Q3 2025
Strategic Plan & CCAP action 6.1

Community Outreach/ Involvement

- Invasive Species Workshop
- Earth Day: Seniors for Climate Niagara
- Niagara Children's Water Festival (2025)
- NICHE Agriculture
- Walker Campus Tour
- Social Media Posts



Collaborative Approach



Committees &
Networks



Strengthened
Partnerships



Webinars

Future Climate Change Initiatives

Operations



Plans to be Developed



Natural Asset Management Plan

Status: In development
Strategic Plan & CCAP



Invasive Species Management Plan

Status: In development
Strategic Plan & CCAP



Stormwater Management Plan

Status: Anticipated start Q3 2025;
**possible addition in the Master Servicing Plan*
CCAP action 2.1



Urban Forestry Management Plan

Status: Anticipated start Q4 2025
CCAP action 3.1



Flood Preparedness & Evacuation Plan

Status: Anticipated start Q2 2026
CCAP action 3.3

Items to be Reviewed



Official Plan

Status: Under review
Strategic Plan support
& CCAP action 1.1



Private Tree By-Law

Status: Under review
Strategic Plan & CCAP
action 1.2 support



Tree Protection & Preservation Policy

Status: Under review
Strategic Plan & CCAP support



Engineering Design Standards

Status: Under review
CCAP action 1.4



Floodplain Mapping

Status: Anticipated start Q3 2025
CCAP action 3.2



Sustainable Procurement By-Law

Status: Anticipated start Q4 2025
**subject to updating by-law*
CCAP support

Proposed Policies



Climate Action and Response

Status: Anticipated start Q3, 2025

CCAP support



Infrastructure Design Standards & Climate Change

Status: Anticipated start Q4, 2025

CCAP action 1.3



Invasive Species

Status: Anticipated start Q1 2026

CCAP support



Net Zero (2050)

Status: Anticipated start Q3 2026

CCAP support



Ecological Offsetting

Status: Pending deliberation

CCAP support

Proposed Projects & Programs



Electrify Fleet & EV Chargers

Status: Pending deliberation

Strategic Plan support & CCAP action 4.5



Retrofit Building(s)

Status: Pending deliberation

Strategic Plan support & CCAP action 4.3



Tree Planting

Status: Pending deliberation

Strategic Plan & CCAP support



Low Impact Development (LID)

Status: Pending deliberation

Strategic Plan & CCAP support



Active Transport

Status: Pending deliberation

Strategic Plan & CCAP support



Invasive Species Removal

Status: Pending deliberation

Strategic Plan & CCAP support

Proposed Events / Engagement Campaigns



Species Identification
(BioBlitz)



Clean Up



Star Gazing



Environmental Art Display



Ecological Tours and Walks



World Climate Events Campaign
(United Nations Climate Change
Conference)

THANK YOU!