

Ensuring a sustainable supply to 2038

2013 WSMP UPDATE



AECOM

Objectives

WSMP Update

- To provide a community-endorsed framework for provision of an adequate and sustainable supply of water to meet the current and future needs of all customers; over the next 25 years
- To “...*establish a sustainable water supply to regulate future growth.*” City of Guelph Council Resolution, October 20 2003
- To develop a “strategic plan” for implementation of specific projects (future works / developments) in a phased approach with identified triggers
- To provide the basis for individual studies under the Class EA process

Purpose Statement

WSMP Update

The City of Guelph is committed to manage population growth as it continues to develop strategies for ensuring adequate water supply. The goal is to develop a reliable and sustainable supply of water to meet the current and future needs of all residents, industrial, commercial and institutional customers.

Recent analysis confirms that the existing water supply capacity will not meet future demands. It is, therefore, prudent update the previous Master Plan (2007) to identify strategies to increase the capacity of the City's existing water supply.

The strategies must ensure that an adequate amount of water is provided in a safe and cost-effective manner while ensuring that environmental sustainability is not compromised. The update will build on the recommendations made during the 2007 Water Supply Master Plan, including water conservation/efficiency measures.

Scope of Work

WSMP Update

Task 1 – Public Consultation

- Pre-consultation Interviews
- WSMP Community Liaison Committee (CLC) meetings (2 or 3)
- Municipality / Agency Workshops (2)
- Community Open Houses (2)

Task 2 – Population and Water Demand Forecasts

- Develop population projections – residential and ICI (employment)
- Develop water demand projections

Task 3 – Existing Water Supply Capacity Assessment

- Update the assessment of existing well performance, maximum capacity and potential constraints for each supply source
- Comparison of existing capacity with demand forecast

Task 4 – Water Supply Alternatives

- Demand management & conservation programs
- Groundwater sources inside city
- Groundwater sources outside city
- Local surface water supply
- Do nothing

Task 5 – Water Supply Master Plan Update

- Evaluation of alternatives
- Risk assessment
- Develop WSMP Update Report

Proposed WSMP Update Project Schedule

TASK / TIMING	2013								2014
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	
Task 1 - Public Consultation									
PICs									
CLC meetings									
Agency meetings									
Task 2 - Water Supply Demand Forecast									
Task 3 - Water Supply Capacity									
Task 4A - Demand Management									
Task 4B - Groundwater Sources									
Task 4C - Surface Water Sources									
Task 4D - Evaluation									
Task 5 - Update WSMP									
Task 6 - Project Management									

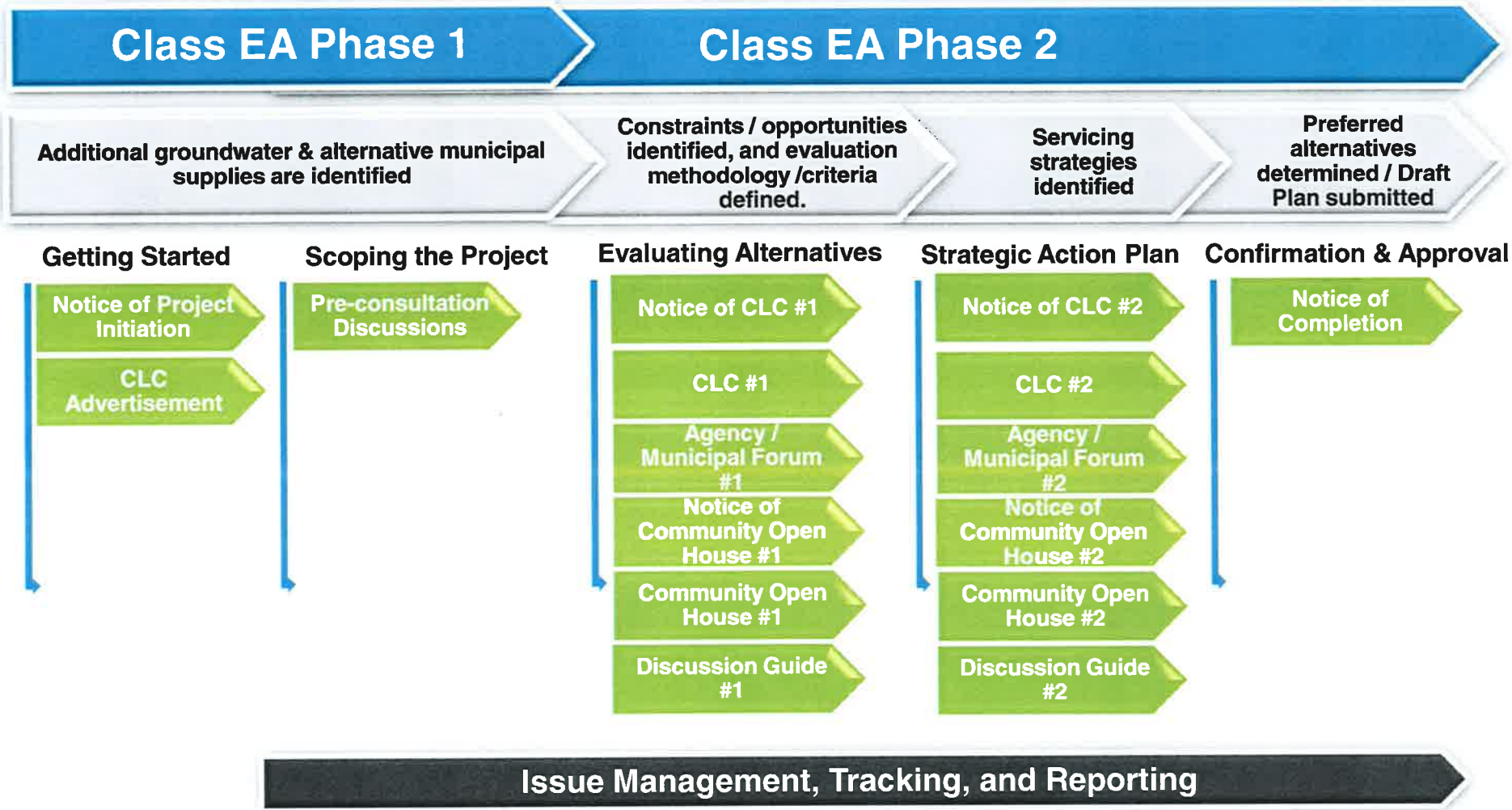
LEGEND:

● Public Meeting ● Deliverable submission

Community Engagement Goals

- Engage the Guelph community to develop a shared vision for managing the City's water supply
- Generate a broad awareness of the Water Supply Master Plan and the opportunities for participation
- Obtain an understanding of the community's aspirations/concerns relating to water management
- Keep key stakeholders informed of WSMP activities, and communicate in a timely and clear manner
- Affirm the City's commitment to community engagement and open planning processes, and demonstrate the impact of engagement efforts on the Master Plan Update and the Class EA process

Consultation Plan



We'd Like Your Input...

- Are the Objectives and Purpose Statement adequate for the WSMP Update? Are there additional objectives that you feel should be considered?
- Are there changes (i.e., additions or deletions) that should be considered for the scope of work; to improve the recommendations resulting from the Water Supply Master Plan update?
- Are our community engagement plans adequate?

