

Inter-Urban Water Supply (IUWS) Program Status Update

April 12, 2022

Mariana Balaban, P. Eng. Ph.D.

Project Director, Engineering, Environmental and Infrastructure Services¹

Overview

- 1. My First 55 Working Days*
- 2. Program Objectives and Benefits*
- 3. Work In Progress*
- 4. 20-yr County-Wide Supply vs. Growth Overview*
- 5. IUWS Program Structure*
- 6. 10-yr Delivery Plan and Cash Flow*
- 7. Next Steps*
- 8. Q&A*

My First 55 Working Days

- ✓ Reviewed recent master plan, growth analysis, and delivery plan for alignment and validation
- ✓ Restructured the program based on priorities (scope, budget and schedule)
- ✓ Aligned procurement with delivery priorities in attractive projects
- ✓ Expedited Norfolk-Haldimand agreement review and negotiated terms and conditions to 2041
- ✓ Visited all water and wastewater facilities to review challenges and site-specific conditions
- ✓ Developed and re-issued the first IUWS RFP “Simcoe-Townsend Water Supply” - closing April 12



On-Going Internal consultation with key players - Thank You!

Mayor and CAO Office, Planning, Finance, Asset Management, Purchasing, Engineering, Environmental Services

norfolkcounty.ca

Norfolk
COUNTY

Program Objectives

NORFOLK COUNTY COUNCIL STRATEGIC PRIORITIES 2019 - 2022

Deliver high
quality water
services

Ensure fire
flow to all
urban centres

Ensure water
supply for
2041 growth

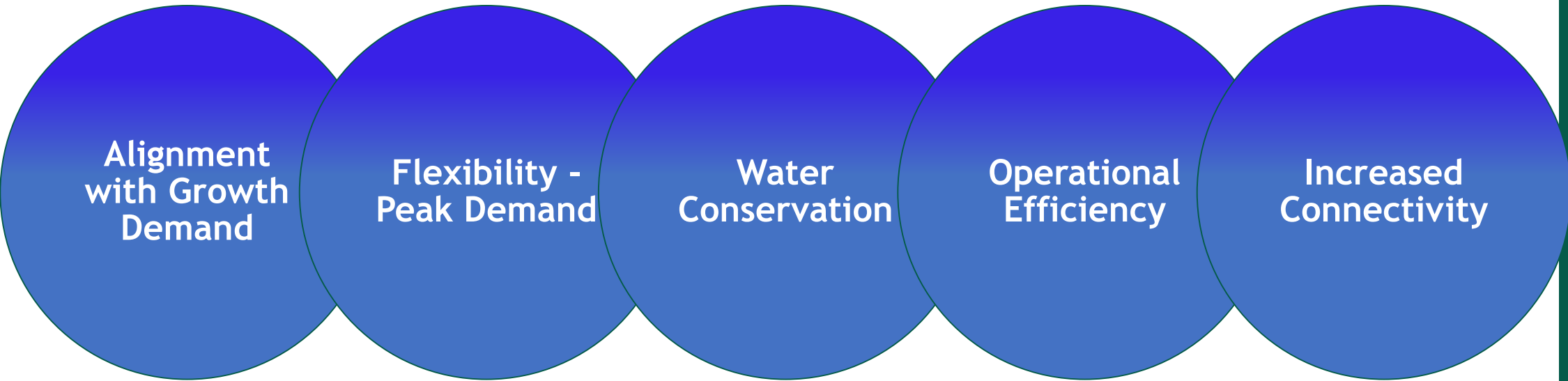
Build reliable
infrastructure

3

Build and Maintain Reliable, Quality Infrastructure

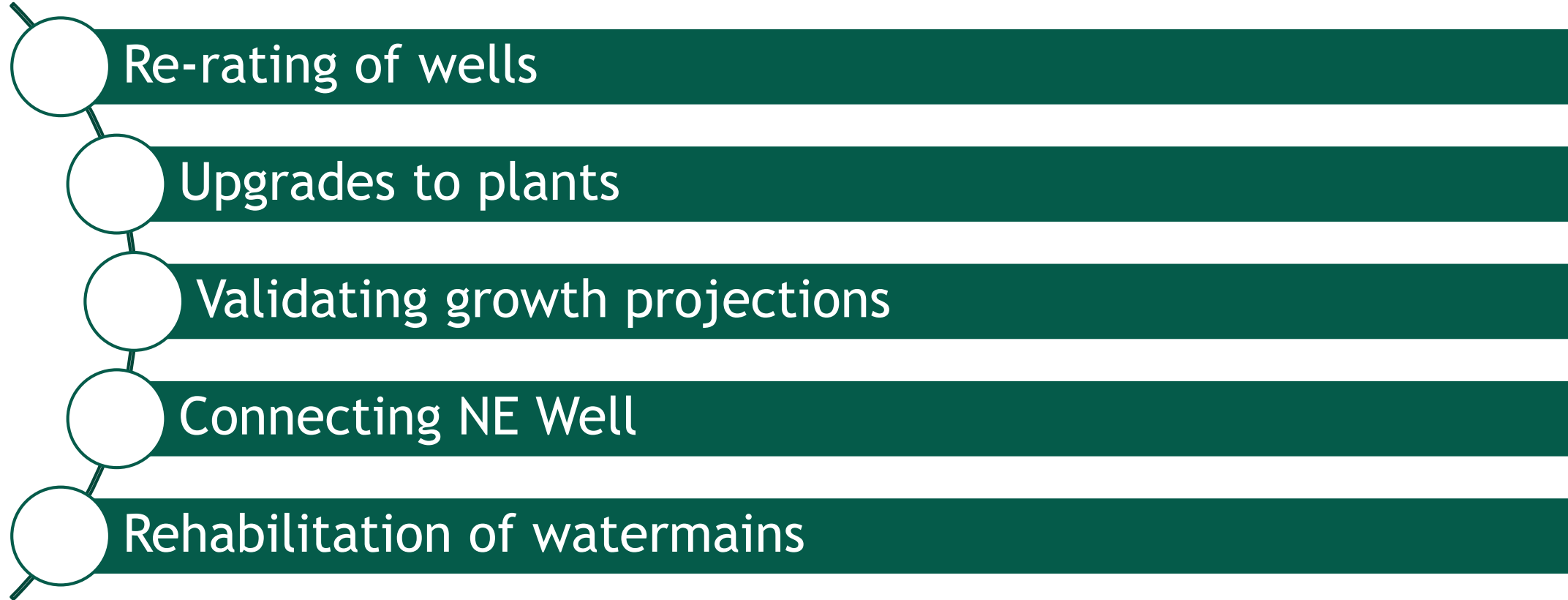
4

Program Benefits – Focus on Sustainability

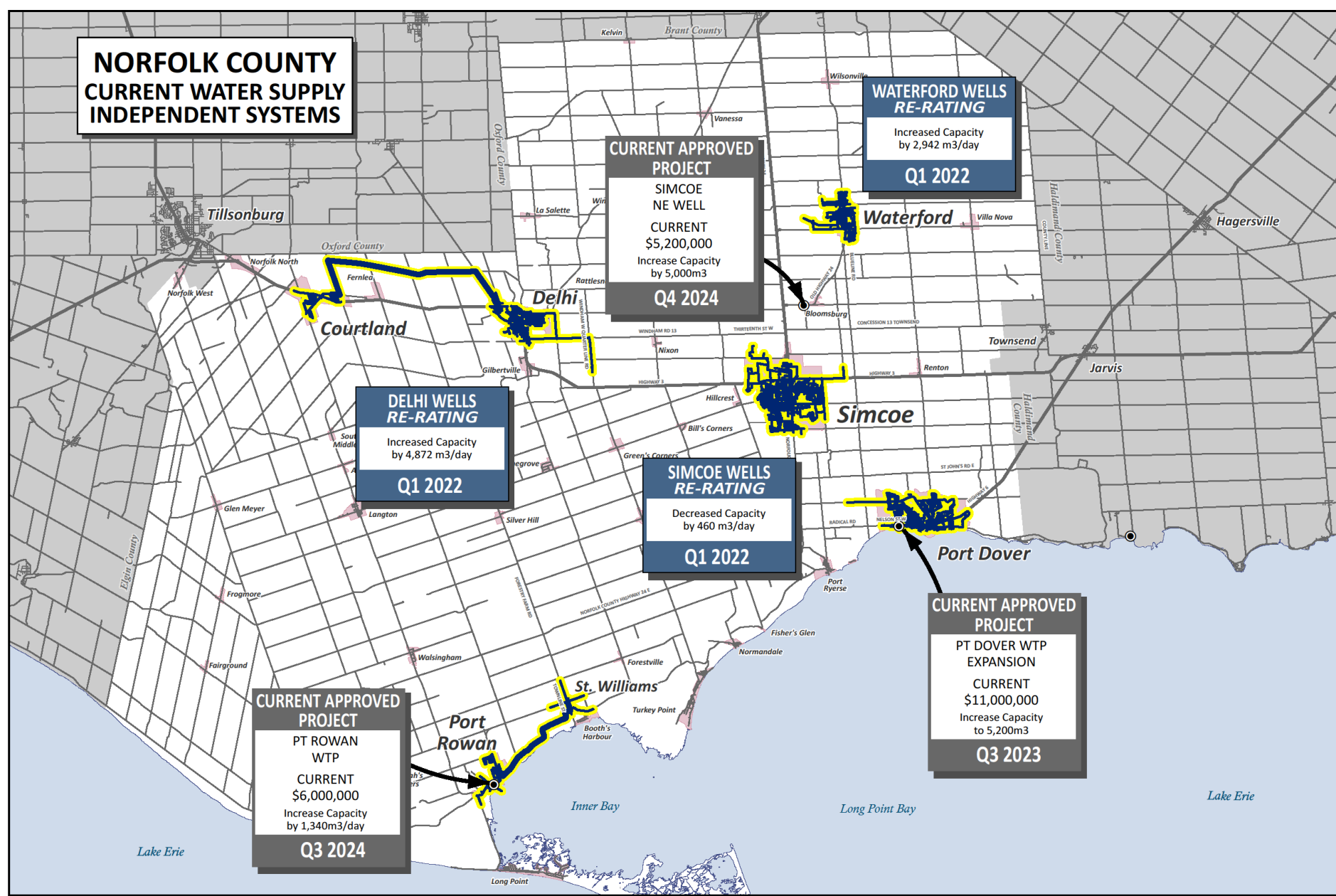


5

Work In Progress

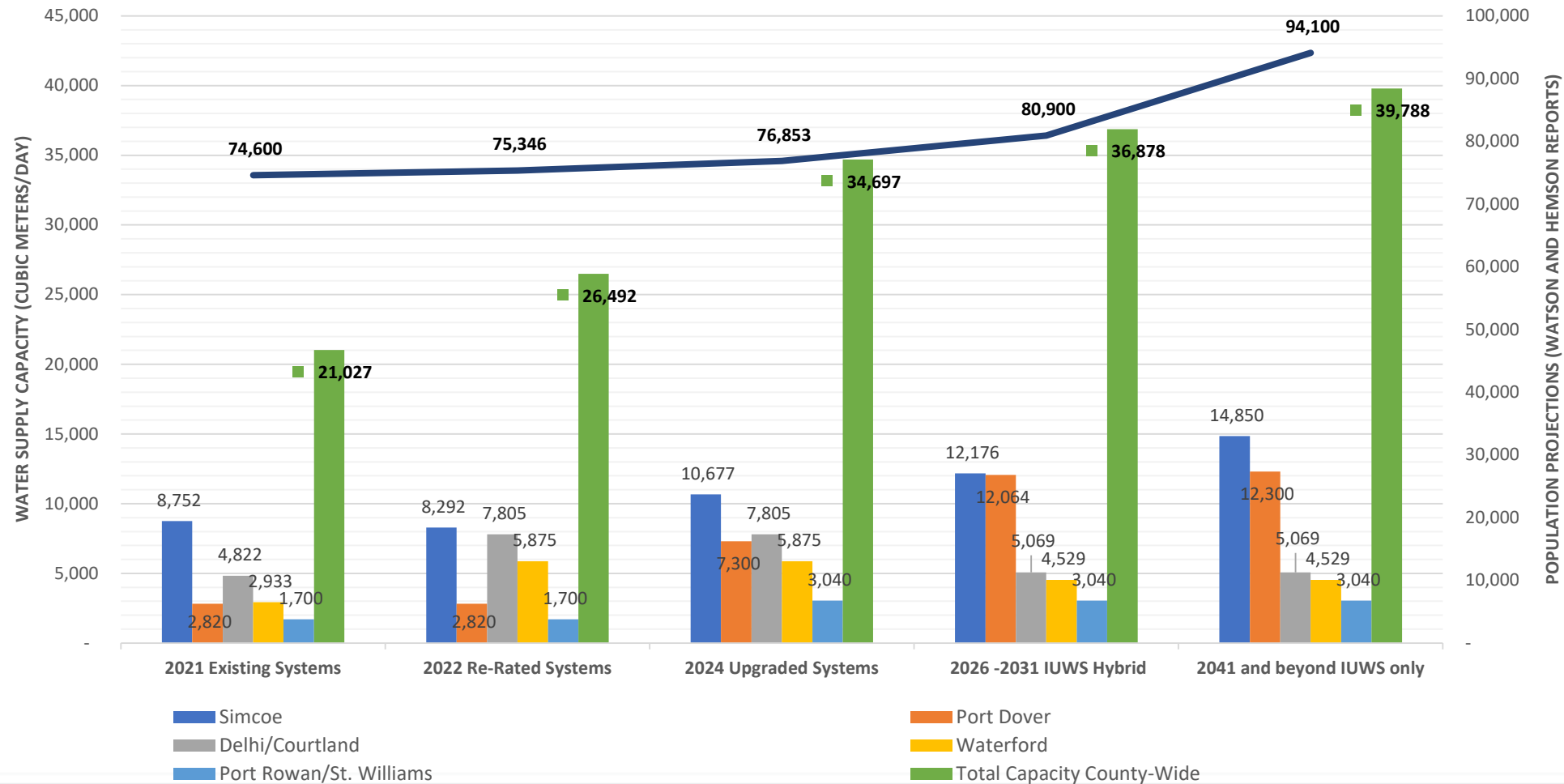
- 
- Re-rating of wells
 - Upgrades to plants
 - Validating growth projections
 - Connecting NE Well
 - Rehabilitation of watermains

NORFOLK COUNTY CURRENT WATER SUPPLY INDEPENDENT SYSTEMS

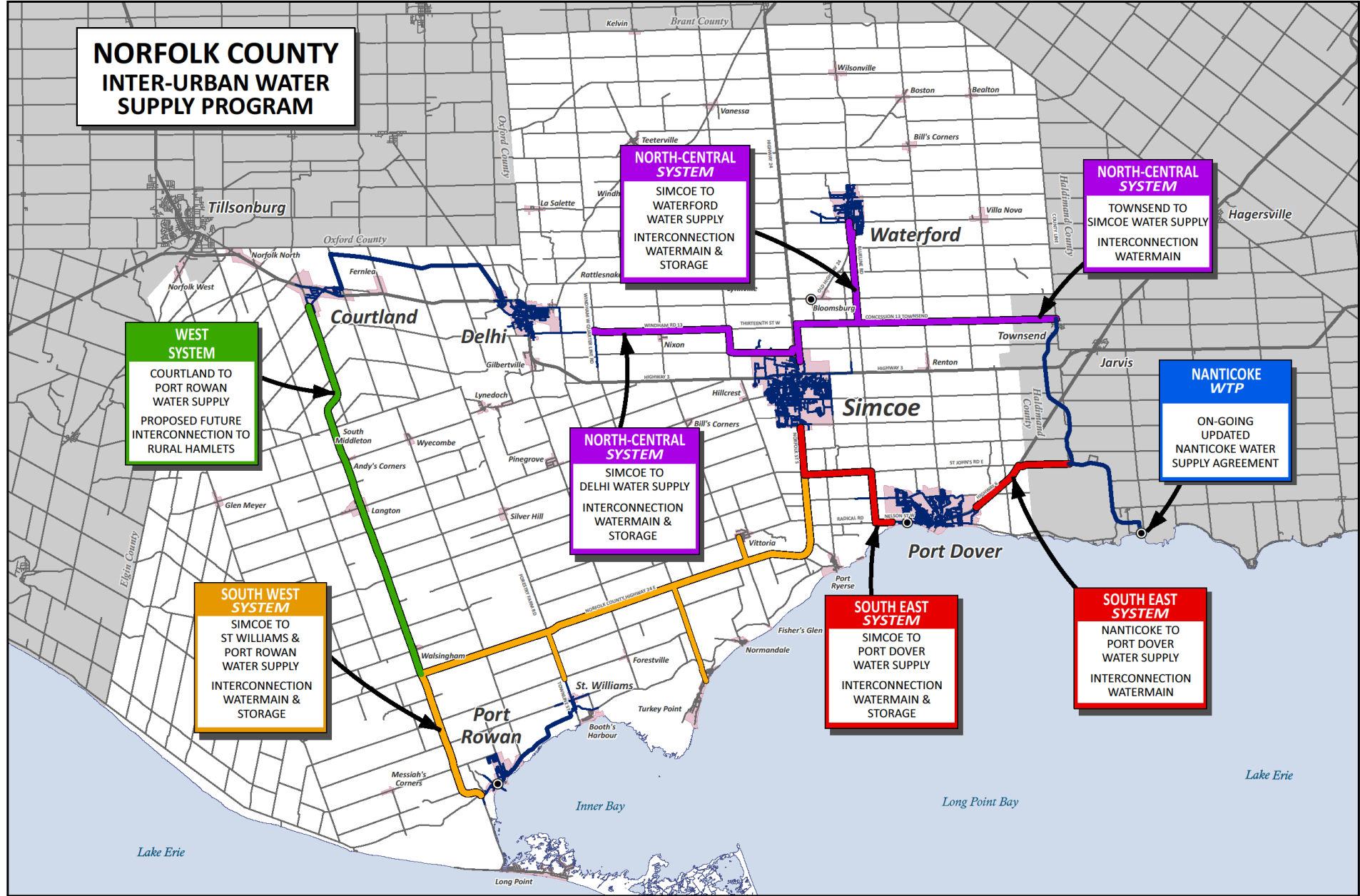


norfolkcounty.ca

2021-2041 County-Wide Supply vs. Growth



NORFOLK COUNTY INTER-URBAN WATER SUPPLY PROGRAM



norfolkcounty.ca

10-yr Delivery Plan

Priority/Project*	Estimated Total Value	RFP & Award	Tender & Award	Substantial Completion	In Service
Simcoe-Townsend	\$37M	2022	2023	Dec 2025	Jan 2026
Nanticoke WTP by Haldimand	\$30M	2022	2023	Dec 2025	Jan 2026
Simcoe-Port Dover-Nanticoke	\$33.35M	2023	2025	Dec 2027	Jan 2028
Simcoe-Delhi and Simcoe-Waterford	\$31.8M	2024	2026	Sept 2029 Oct 2029	Oct 2030 Delhi Dec 2030 Waterford
Simcoe-Port Dover-St. Williams-Port Rowan	\$47.85M	2024	2026	Dec 2030	Jan 2031
Total Program	\$180M	2022\$ not indexed to inflation; approx. 96 km of pipelines			

**Scope for each project includes transmission watermains, storage, metering chambers, future interconnections, booster stations, SCADA integration, HVAC, piping, mechanical and electrical systems.*

10

10-yr Cash Flow & Metrics

\$180M Budget
96 Km Pipelines
10,000 m³/d WTP

Simcoe - Townsend Interconnection & Nanticoke WTP (North-Central)

- \$67M (2022-2026)
- 20.3 km transmission watermain
- Simcoe-Delhi Elevated Tank
- Nanticoke WTP Upgrade
- 5-year delivery timeline

Simcoe-Port Dover Interconnection (South -East)

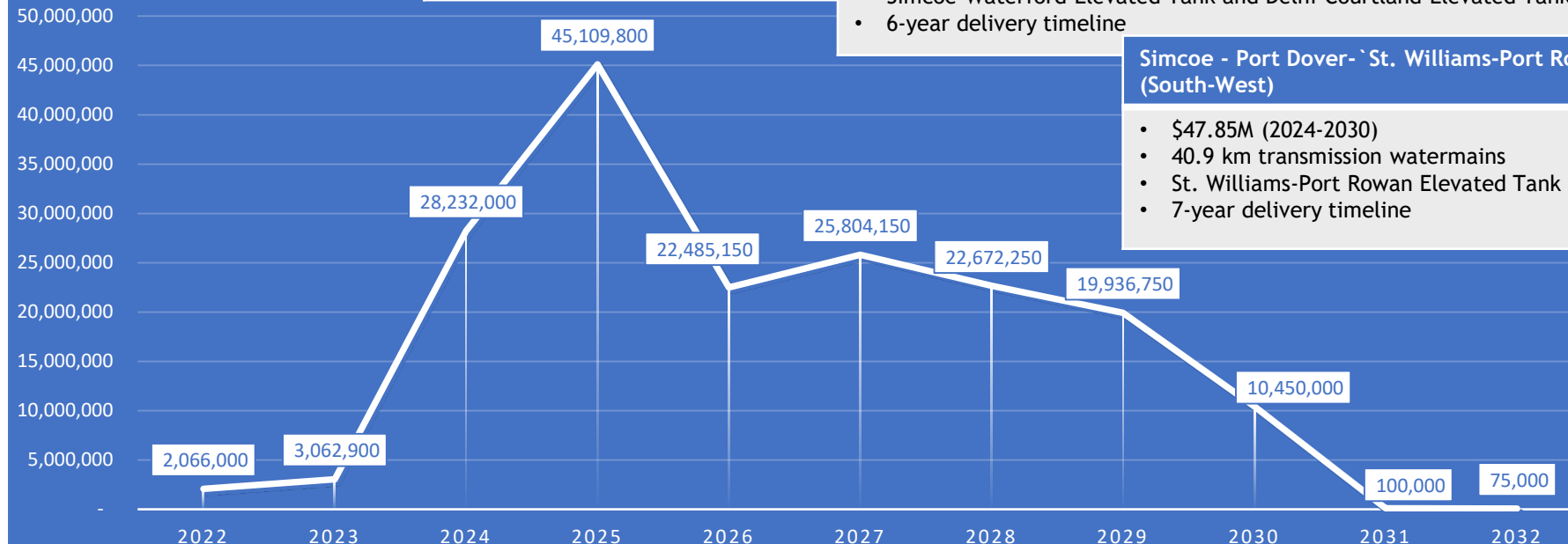
- \$33.35 (2023-2027)
- 16.15 km transmission watermain
- Simcoe-Port Dover Elevated Tank
- 5-year delivery timeline

Simcoe - Delhi-Courtland and Waterford (North Central Expansion to West and East)

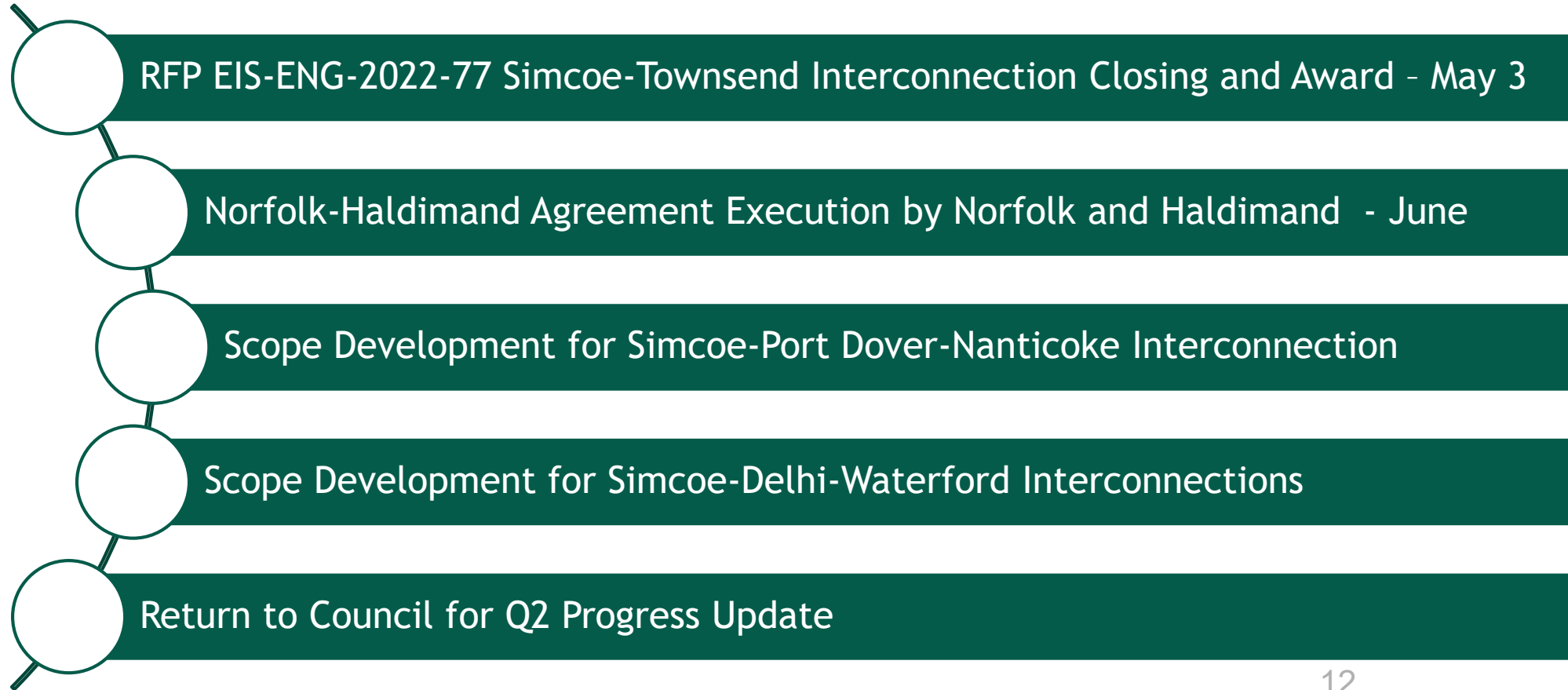
- \$31.8M (2024-2029)
- 18.7 km transmission watermain to Delhi and Waterford
- Simcoe-Waterford Elevated Tank and Delhi-Courtland Elevated Tank
- 6-year delivery timeline

Simcoe - Port Dover - St. Williams-Port Rowan (South-West)

- \$47.85M (2024-2030)
- 40.9 km transmission watermain
- St. Williams-Port Rowan Elevated Tank
- 7-year delivery timeline



Next Steps



12

Questions & Answers

Thank You!

Mariana.Balaban@norfolkcounty.ca