



### Clarkson Wastewater Treatment

- Existing approved capacity is 350 MLD
- Digested and dewatered sludge is trucked to the G.E. Booth WWTP for incineration
- Outfall diameter is 3m, length is 2.2 km into Lake Ontario, capacity is 1500 MLD



### G.E. Booth Wastewater Treatment

- Existing capacity is approximately 500 MLD
- Sludge generated from both WWTPs are incinerated and stored in ash lagoons on-site
- Outfall diameter is 3.65m, length is 1.4 km into Lake Ontario, capacity is 1200 MLD



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 500 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Upgrade to its rated capacity of 518 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct effluent pumping station to increase outfall capacity to 1500 MLD



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 450 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Expand from 500 MLD to 550 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct a new outfall of larger diameter and deeper into Lake Ontario with a capacity of 1650 MLD



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 450 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Expand from 500 MLD to 550 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct effluent pumping station to increase outfall capacity and divert 150 MLD of peak flows



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 500 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Expand from 500 MLD to 550 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct a new outfall of larger diameter and deeper into Lake Ontario with a capacity of 1650 MLD



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 400 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Expand from 500 MLD to 600 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct a new outfall of larger diameter and deeper into Lake Ontario with a capacity of 1800 MLD



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 400 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Expand from 500 MLD to 600 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct effluent pumping station to increase outfall capacity and divert 300 MLD of peak flows



**Clarkson Wastewater Treatment**

- Expand from 350 MLD to 500 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- No outfall modifications or expansions required



**G.E. Booth Wastewater Treatment**

- Expand from 500 MLD to 600 MLD
- Treat sludge on site and beneficially reuse biosolids end-products
- Construct a new outfall of larger diameter and deeper into Lake Ontario with a capacity of 1800 MLD