

BUILDING A NETWORK OF WATER STEWARDSHIP PROJECTS IN THE GTA AND BEYOND

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INNOVATIVE WATER TECHNOLOGIES PROGRAM:

Challenge: Rising water costs and aging municipal infrastructure

Opportunity: Help organizations reduce their process and wastewater footprint to maximize environmental benefits and minimize costs incurred through:

- Business Case Development
- Strategic Market Research
- Dedicated Service and Technology Vendor Networks
- Regulatory Insights
- Implementation and Alignment with Municipal Programs

CASE STUDY: DEXTRAN PRODUCTS LTD. WHY DID DEXTRAN PURSUE AN INNOVATIVE WATER TECHNOLOGY PROJECT?

- Combat extremely high water bills
- Comply with, and enroll in, programs with the City of Toronto
- Expand sales globally, requiring a different water quality standard
- Promote being a greener, more socially responsible company
- Benefit from Partners in Project Green and utility incentives

"I always knew it was possible to save water, but it took the support of Partners in Project Green to see how easy it was and how much money we could save."

– **George Usher**, President, Dextran Products Ltd.

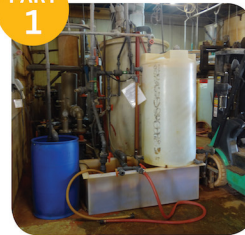


**TOTAL ESTIMATED
WATER SAVINGS:**
21,604 m³ per year



**TOTAL ESTIMATED
COST SAVINGS:**
\$52,767 per year

**PART
1**



Install a temperature
regulator valve and
vacuum pump

**PART
2**



Connect a cooling
tower to four
remaining reactors

**PART
3**



Install a Reverse
Osmosis System

**PART
4**



Install condensate
recovery pumps

**PART
5**



Install automatic
blowdown on two
boilers

**PART
6**



Stop overflow from
cooling tower sump
to drain

**PART
7**



Switch water softener
and increase set
blowdown conductivity

**PART
8**



Send reject water to
scrubber and cooling
tower

