

Supporting Industry Growth & Sustainability

PRESENTED BY

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AGENDA

1. Who Is EnviroSystems?
2. EnviroSystems in HRM
3. Environmental Sustainability Initiatives
4. Why R&D for Sustainability

WHO IS ENVIROSYSTEMS?

One of the largest environmental and industrial service providers in North America

- Founded in Halifax, Nova Scotia
- 44 locations in 6 provinces and 8 states
- 2 recent acquisitions in 2016
 - Victoria marine waste treatment facility
 - Denver specialty chemical cleaning business



WHO IS ENVIROSYSTEMS?

Industrial Services

- Industrial Cleaning & Turnaround Services
- Chemical Cleaning
- Catalyst Change-out Services

Waste Services

- Oil Re-refining
- Waste Treatment / Processing
- Wastewater Treatment

Environmental Field & Contracting Services

- Onsite Waste Processing
- Dredging & Dewatering
- Construction / Demolition



NOVA SCOTIA
OPERATIONS

- 2 Industrial facilities
- 2 Waste facilities
- 180+ employees
- 75% in HRM
- Avg \$2.5M Capital Investment in NS annually

ENVIROSYSTEMS IN HRM

Main services required

- Harbour services
- Refinery services
- Municipal services

Objective is to support the environmental sustainability initiatives of all our industrial customers, including:

- Imperial Oil
- Halifax Shipyards
- Department of National Defense
- Halifax Water
- Nova Scotia Power

ENVIRONMENTAL SUSTAINABILITY

Initiatives

RESEARCH & DEVELOPMENT

Substantial investments in R&D to support industry, resulting in new technologies

- Resource recovery
- Hydro-excavation slurry de-watering
- Paint recycling
- Ozone Ultrasonic Treatment
- Waste-to-energy (next slide)



WASTE-TO-ENERGY

Power generation using EnviroSystems waste fuels

- 6 month trial
- Determine viability - cost per kWh
- Full size (600kW) would service

Potential

- Sell electricity back to the grid
- Direct energy sale to customers
- District energy applications



WHY R&D FOR SUSTAINABILITY?

KEEPING THE R&D PIPELINE FULL

Several of our sustainability initiatives have come from our employees. This has resulted in the development of our “Bright Ideas” portal which feeds our R&D pipeline.

EnviroSystems approach to R&D:

1. Concept / Idea Stage
2. Initial Research
3. Data Gathering
4. Conceptual Solution
5. Prototype (if needed)
6. Testing & Trials
7. Commercial



ENVIROSYSTEMS OBJECTIVE

- Keep pace with industry solutions around the globe
- Innovate cost competitive solutions
- Help reduce carbon footprint of industry
- Partner with HRM to reach waste diversion objectives and other sustainability initiatives
- Contribute to our economy and environment

Thank You



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