

NIAGARA COLLEGE

INTEGRATING SKILLS & COMPETENCIES IN TVET CURRICULA

Taryn Wilkinson – Manager, Sustainability

July 19th 2024

Mechanisms to Enhance Clean Energy



Identify the Gaps & Opportunities



Industry Engagement



Institutional Alignment & Planning

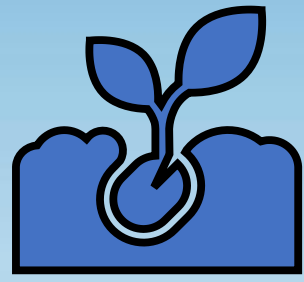


Opportunity and Engagement



Case Study: Renewable Energies & Automotive Technologies





IDENTIFY GAPS & OPPORTUNITIES

- Academic programs
 - *New programs and existing programs*
- Volunteer Opportunities
 - *Enhance and complement skills and competencies*
- Operational excellence
 - *Living labs for hands-on learning*
- Creative Solutions
 - *Research and innovation*

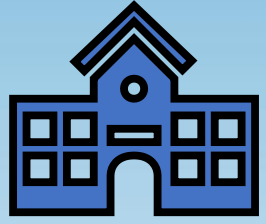




INDUSTRY ENGAGEMENT

PROGRAM ADVISORY COMMITTEES

- All programs of instruction require a program advisory committee (PAC)
- Provides the vital link between the community at large and the Niagara College administration, faculty and students
- Comprised of Niagara College faculty and staff, as well as relevant industry professionals
- Areas of responsibilities include:
 - *Review curriculum, course materials and equipment needs to ensure the relevance of same to current employment realities*
 - *Recommend modifications to program content to meet the future requirements of the workplace*
 - *Recommend new types of equipment and training facilities, enrolment strategies, student field placements, and other community linkages*
 - *Assist in public relations and promotions for the program*



INSTITUTIONAL ALIGNMENT

2024-2029 Sustainability Plan

This plan establishes the priority of sustainability at an institutional level and provides a roadmap to make progress on broad sustainability goals and targets in all areas of the College. Launching end of July 2024!

SDG Accord

On March 27th, 2023, Niagara College proudly signed the SDG Accord honouring our commitment to embed the United Nations Sustainable Development Goals into our education, research, leadership, operations, administration and engagement activities.



Niagara College President, Sean Kennedy, and Senior Vice President, Pamela Skinner, sign the SDG Accord and the Nature Positive Pledge on behalf of Niagara College.



NC CASE STUDY

- Academic Programs
 - Renewable Energy Technician Program
 - Green Automotive Technology Centre
- Campus as a Living Lab
 - On-Site Renewable Energies
 - Roof-top mounted solar grid system
 - Ground mounted solar micro-grid system
 - Geothermal heat pump
 - Small-scale wind turbine
 - Campus electric vehicle charging stations
- Impacts on Industry
 - NC played a key role in attracting Asahi Kasei, the Japanese multinational company, to open an EV battery manufacturing facility in Niagara in 2027



Mechanisms to Enhance Clean Energy



Identify the Gaps & Opportunities



Industry Engagement



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Opportunity and Engagement





Niagara
College
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Thank You!

