

PREFACE

The following activities are designed to encourage high school students to learn how their communities generate energy, explore alternative ways of producing green electricity, and help them understand climate change mitigation and Greenhouse Gases (GHG) reduction strategies.

These activities and projects are hands-on and student-directed. They provide a venue for students to research, learn and discuss community energy needs, and understand the process for producing energy for business and homes. By exploring perceptions and behaviours around energy usage, students will be able to create projects that are not only informative to them and their classmates, but to their communities.

Energy production, distribution and reliability are real-world challenges that students will have to face. Green energy production and new energy technologies can provide solutions to future energy needs for Northerners.