Decoding Carbon

#DECODINGCARBON
Activity: Negative Externality Game – Collective Action and Climate Change

Learning Outcomes

By the end of this activity learners will

- Learn about the different climate policy options
- Learn that all climate change policy tools have co-benefits and trade-offs, and that policy design often requires a weighing of co-benefits and trade-offs
- Understand how climate policies have been implemented in different jurisdictions, and the successes and challenges in implementation

Curriculum Connections

- Grade 10 Science
- Grade 10 - 12 Environmental Science in British Columbia
- Grade 10 - 11 Social Studies in Alberta
- Grade 12 Canada & World Studies in Ontario

Length of Activity

1 – 1.5 hours

Materials List

- Topic Backgrounder
- Climate Policy Options Infographic
- Marking Rubric
- Internet Enabled Device

Activity: Step 1

Read the following text to your class **(5 minutes)**

Public policy sets the plan for action to tackle a given issue. Policy can drive creation of certain laws. In this module, we will have a chance to design a new climate policy solution for Alberta using a simulator provided by the Pembina Institute.

Activity: Step 2

Using the backgrounder, review the Climate Policy Options with class, using the infographic below as a reference **(15 minutes)**

Activity: Step 3

In groups or individually, complete the following activities:

1. In groups, students will research pros and cons of the policy options presented in the infographic and present their findings in class. **(30 minutes)**
2. In groups, students will research and analyse a climate policy of another jurisdiction. Students will identify the successes and challenges faced by that jurisdiction in implementing the policy. Students will share their findings with the class. Use the backgrounder as a reference for guiding the students**. (45 minutes)**