



~40% of U.S. carbon dioxide emissions come from **electricity generation and the appliances and systems used in residential and commercial buildings**. This challenge asks students to dig into that number — and design the solutions that could change it.

CHALLENGE PROMPT

Powering Change: Energy Innovation for a Cooler Planet

Explore the science behind climate change through the lens of energy innovation. How do greenhouse gases like CO₂ enter our atmosphere, and what role does our energy use — from electricity generation to transportation — play in emissions? Investigate how we can rethink and redesign the ways we produce and use energy, then collaborate as a team to build a digital project and short pitch showcasing innovative energy solutions your community could adopt to fight climate change. Present your vision at a virtual Energy Innovation Think Tank for judges and peers.

WHAT YOUR TEAM WILL CREATE

The Pitch — 1 min max

A creative, Shark Tank–style intro to your team, your community, and your project.

The Presentation — 3 min max

A digital presentation or video that pitches your community's energy solution.

YOUR PRESENTATION MUST INCLUDE

- A description of your community's energy or climate impact/challenge
- A strategy or plan to address the issue
- Why this behavior or impact was chosen as your target for action
- How the plan engages and involves the community (stewardship)
- A plan for how you'll measure your project's performance

BY THE NUMBERS

\$2,000

TEAM GRANT FOR SUPPLIES & THINK TANK MEALS/SNACKS

1 + 3 min

PITCH INTRO, THEN PROJECT PRESENTATION OR VIDEO

Grade Bands

TEAMS PRESENT TO JUDGES/PEERS, GROUPED BY SIMILAR GRADE LEVEL

KEY DATES

Projects tested & ready to share	MAY 8
Think Tank & Celebration	MAY 20
Think Tank scheduling	Team availability

SUPPORT & RECOGNITION

Request classroom support or a virtual visit from an Exelon/ESP partner employee volunteer.

All participants receive digital certificates, with prizes awarded to standout teams.

EMPOWERING A CLEANER ENERGY FUTURE

A program-wide ESP & PEEP classroom challenge from Exelon, ComEd, PECO, Pepco, BGE, Delmarva Power & Atlantic City Electric, with Illinois ESP partners bp, Nicor Gas, Peoples Gas & North Shore Gas.