ACS Climate Change Advocacy Workshop

Climate change mitigation and adaptation technologies accessibility text

2.6.3 Carbon sequestration card text:
Card 1 front – What is Carbon Sequestration?

Card 1 back –
Carbon Sequestration is the process of capturing and removing carbon dioxide from the atmosphere or water using geologic, biologic, or other technological pathways.

Examples:

- Planting native trees in an area to absorb carbon dioxide
- Transforming atmospheric carbon dioxide to a mineral form, like calcite.
- Converting into other stable materials like building materials

2.6.13 Net-zero vs. zero-emissions card text:
Card 1 front – What is Net-Zero?

Card 1 back –
Net-Zero is a balance of greenhouse gases emitted and the amount removed from the atmosphere. It is an intermediate goal toward becoming zero-emissions.

Card 2 front – What is Zero-Emissions?

Card 2 back –
Zero-Emissions refers to something (a city, country, organization, company) that does not emit any greenhouse gases. This is the ultimate goal.

2.6.17 Carbon credits card text:
Card 1 front – What are Carbon Credits?

Card 1 back –
Carbon credits are a way for an entity to continue emitting greenhouse gases while paying another group to offset those emissions through tree planting or various technologies that capture carbon before it makes its way to the atmosphere. This process is not well established or regulated yet.

1 credit = 1 ton of CO2 removed from the atmosphere.