

COMMERCIAL BUILDING ENERGY SYSTEMS may advance the following

ENERGY LITERACY PRINCIPLES AND CONCEPTS

1 Energy is a physical quantity that follows precise natural laws.

1.1 Energy is a quantity that is transferred from system to system.

1.5 Energy comes in different forms and can be divided into categories.

3 Biological processes depend on energy flow through the Earth system.

3.6 Humans are part of Earth's ecosystems and influence energy flow through these systems.

4 Various sources of energy can be used to power human activities, and often this energy must be transferred from source to destination.

4.1 Humans transfer and transform energy from the environment into forms useful for human endeavors.

4.5 Humans generate electricity in multiple ways.

5 Energy decisions are influenced by economic, political, environmental, and social factors.

5.4 Energy decisions are influenced by economic factors.

5.6 Energy decisions are influenced by environmental factors.

5.7 Energy decisions are influenced by social factors.

6 The amount of energy used by human society depends on many factors.

6.2 One way to manage energy resources is through conservation.

6.5 Social and technological innovation affects the amount of energy used by human society.

6.6 Behavior and design affect the amount of energy used by human society.

7 The quality of life of individuals and societies is affected by energy choices.

7.3 Environmental quality is impacted by energy choices.