

**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.**