**MY SCHOOL'S ENERGY REPORT CARD 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.**

**1.7 Many different units are used to quantify energy.**

### 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.**

**4.2 Human use of energy is subject to limits and constraints.**

**4.5 Humans generate electricity in multiple ways.**

**4.7 Different sources of energy and the different ways energy can be transformed, transported, and stored each have different benefits and drawbacks.**

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

**5.1 Decisions concerning the use of energy resources are made at many levels.**

**5.2 Energy infrastructure has inertia.**

**5.3 Energy decisions can be made using a systems-based approach.**

**5.4 Energy decisions are influenced by economic factors.**

**5.5 Energy decisions are influenced by political 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.

**6.1 Conservation of energy has two very different meanings.**

**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.**

**6.8 Amount of energy used can be calculated and monitored.**

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

**7.3 Environmental quality is impacted by energy choices.**