

## EnergySmart: It's How We're All Connected (Energy, Energy Planning, Energy Conservation)

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1. **What is Energy?** (10 min)
  - What is energy?
  - Law of Conservation of Energy
  - Types of Energy
    - Wind turbine activity
2. **We use Energy to make Electricity** (5 min.)
  - Use of earth's resources
  - Renewables/non-renewables
  - Environmental impact discussion
3. **Be an Energy Planner for a Day** (10 min.)
  - Challenges for providing energy to the community
  - Energy Mix - Current & Future generation
    - Energy planner game
4. **How Electricity gets to you** (10 min.)
  - Electricity Delivery
    - Electric transmission activity
5. **How you use Electricity** (10 min.)
  - Energy use in the home
    - Watt detective game
6. **How to be EnergySmart** (10 min)
  - Your choices matter – small actions make a difference
    - Top Student actions for sustainability
    - Peak demand - Shift use to reduce the peak
  - Resources from Springs Utilities
  - Efficiency options

Total program time = 55 minutes

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<https://www.csu.org/Pages/ClassroomPresentationRequest.aspx>

**Objective:** Learn how Colorado Springs Utilities generates and distributes electricity, how we depend on earth's resources and best ways to use energy wisely.

**Target grades:** 6<sup>th</sup> through 8<sup>th</sup> grade

**Time commitment:** 55-minute presentation; optional pre/post activities:

**Standard/ GLE Code:** SC.MS.3.8