

SECTION B: RENEWABLE & ALTERNATIVE ENERGY

Vision Statement: The City & County of Broomfield is empowered and enlightened. Broomfield ensures an adequate supply of reliable and affordable energy, utilizing new technologies, while minimizing environmental impacts by encouraging conservation and responsible use of energy.

GOAL _____: EDUCATION and OUTREACH

Policy S-B.1 (Revised ES-A.2): Utilize incentives to encourage awareness and energy conservation efforts of Broomfield citizens and businesses, promote a reduction in consumption and use innovative technological solutions to achieve such reductions through community participation and programs.

Action Step S-B.1.1 (Previously ES-A.2.2): Encourage energy efficiency through program(s) that encourage and/or reward citizens for the use of energy-efficient appliances, windows, etc.

Action Step S-B.1.2: Compile and distribute an *energy section* of the “Welcome Packet” given to new residents outlining our commitment to conservation and green initiatives.

Action Step S-B.1.3: Create opportunities to make Smart Grid technologies, such as visible energy meters, available to residents to increase awareness of in-home energy consumption.

Action Step S-B.1.4: Create a model ‘Green Home’ available for periodic walk-throughs for members of the community to create awareness of possible energy upgrades to homes.

Action Step S-B.1.5: Provide guest speakers available to the public from Governor’s Energy Office, Xcel, and other leading energy experts on renewable energy, legislation updates or latest efficiency concepts for local governments.

Action Step S-B.1.6: The City & County of Broomfield will annually review existing programs and propose new goals at a local level for energy conservation.

Action Step S-B.1.7: Participate in *Regional Partnerships* with neighboring municipalities, DRCOG, and the state in order to be included in energy related policies, programs, and legislation updates.

Action Step S-B.1.8: Create a bond program for Broomfield residents to perform home energy audits and make improvements, to conserve energy, which will be repaid via property taxes from the benefiting homeowner.

GOAL S-B.A: CONSERVATION

Reduce consumption and provide technological solutions for the purpose of conservation of energy

Action Step S-B.1.9: The City & County will strive to achieve an Energy Star rating on all new construction and significant renovations.

Action Step S-B.1.10: Establish a baseline for energy use in Broomfield buildings to measure against future buildings. Preserve anonymity of properties in establishing baseline.

Action Step S-B.3.2 (Previously ES-B.1.3): Continue to enforce the International Energy Conservation Code.

Action Step S-B.3.3 (Previously ES-B.1.4): Prepare and consider developing programs that encourage low water usage and energy-efficient “green building” practices.

Action Step S-B.3.1 (Previously ES-B.1.2): Encourage large development projects to participate in the Leadership on Energy and Environmental Design (LEED) program or similar programs, as appropriate.

GOAL _____: DEVELOPMENT OF ALTERNATIVE ENERGY TECHNOLOGY

Policy S-B.2: The City and County of Broomfield will lead by example and serve as a role model and leader for new and emerging technologies.

Policy S-B.3 (Previously ES-B.1): Establish and use standards, policies and practices for new development and redevelopment that encourage and support the use of alternative energy resources, water conservation and pollution prevention/reduction.

Policy S-B.4 (Previously ES-E.1): Continue to monitor environmental regulations to assure compliance with all relevant federal, regional and local environmental laws, standards, policies and goals.

Policy S-B.5: Maintain compliance with Federal energy mandates/legislation on new technologies; City & County will also advance these mandates to move quickly when feasible.

Action Step S-B.2.2 (Revised ES-A.1.3): The City and County will be a model to the Broomfield community by utilizing alternative energy (i.e., solar, wind, geothermal, and “mini” nuclear) in future buildings and facilities whenever feasible.

Action Step S-B.2.1: The City and County of Broomfield will review new technologies and propose state-of-the-art solutions

Action Step S-B.3.4 (Previously ES-B.1.5): Encourage new development projects to incorporate solar access and solar energy into design.

Action Step S-B.3.6: Encourage the use of future monitoring technologies to guide and conserve usage and other practices that allow for conscious decisions about energy consumption via adjusting and monitoring usage.

Action Step S-B.3.7: Evaluate and research current use of energy to establish baseline measurements that target conservation efforts.

GOAL S-B.B: ENERGY PROVISIONS

City & County of Broomfield is committed to ensuring reliable, affordable, and clean energy is available to all residential and commercial structures. Maintain efforts investigating generation facilities and franchise establishments for future local energy production.

Action Step S-B.3.5: Periodically investigate the potential for new energy generating facilities as well as private versus City and County ownership of such facilities into the future.

Action Step S-B.3.8: Establish sustainability criteria that should be met in order to be awarded an electrical service franchise. Also consider the establishment of a municipally owned and operated electric utility service at time of contract renewal. (Long range action step).