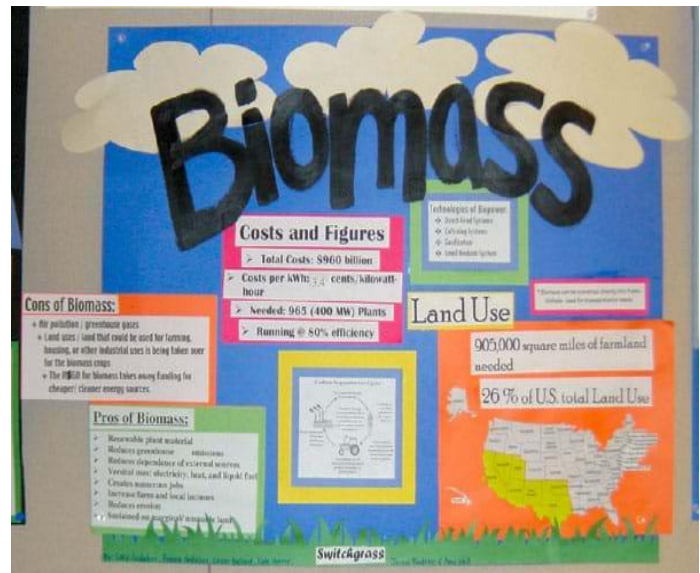


Colorado Renewable Energy Science & Technology Center



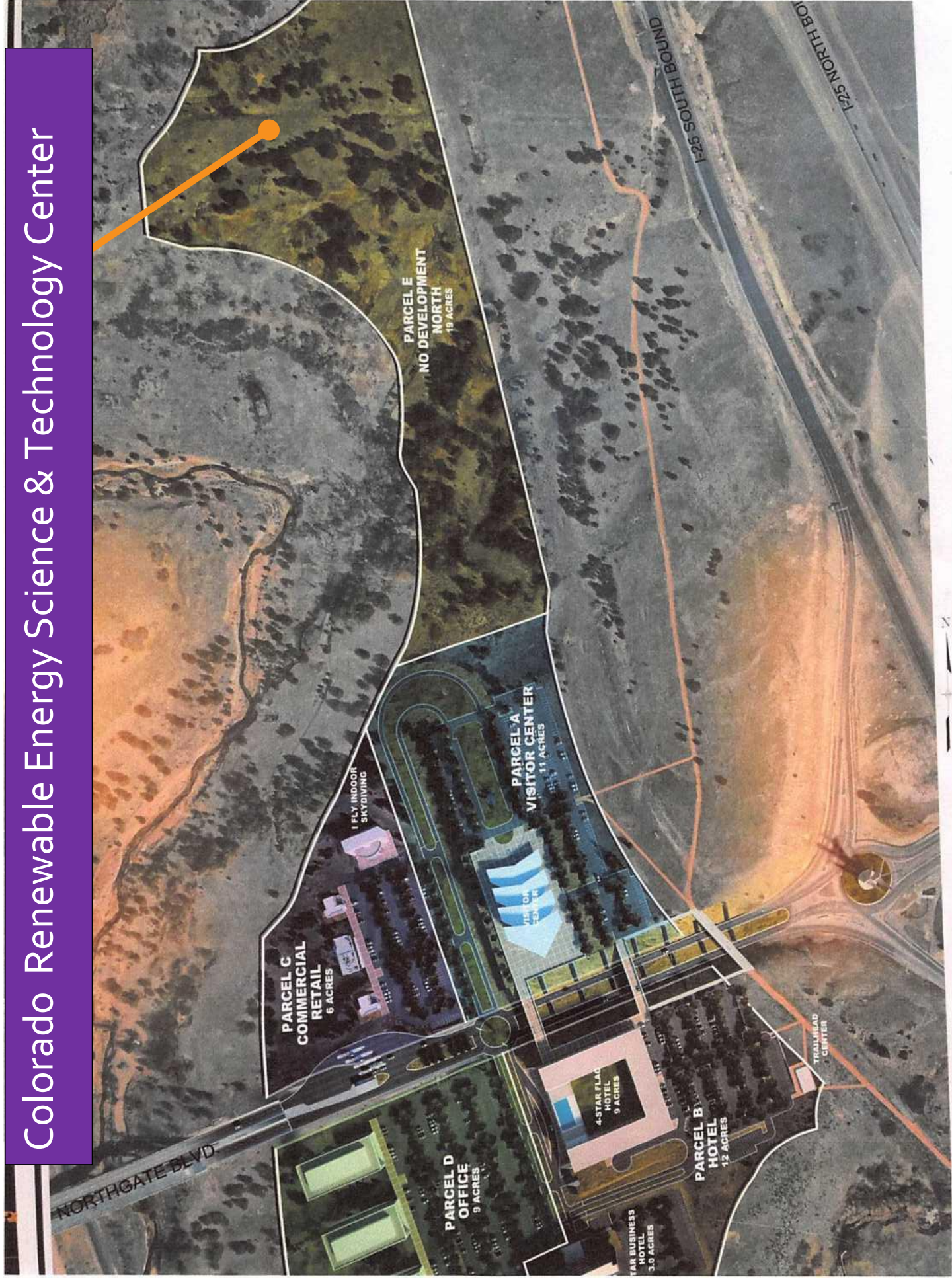
Enhance Learning, Inspire Innovation An Asset to the North Gate Development Project

Purpose – Be a leading science & technology center for the demonstration and innovation of technologies that are sustainable and part of a cleaner future.

Vision – A working national science and engineering center as a public-private partnership contributing to US leadership in renewables. Inspire the public on leading trends in renewables. A natural extension of a visit to the new USAFA Visitor Center. Be a place for Academy and High School students to study and conduct learning projects under the leadership of USAFA science and engineering professors. A community asset. Position Colorado Springs as a leader in renewables technology.

How – Funded and supported by companies and associations within the renewables industry. Demonstration exhibits of their technologies.

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Example: Renewable Energy Center Concept from Spain

Madrid-based international architecture firm [A-cero](#), under the direction of principal Joaquín Torres, has recently won the architectural competition for **an academic center that researches renewable energy sources**. The building that blends in with the surrounding landscape aims to reach highest goals in sustainable architecture. The international competition was organized by the commission of Education, Formation and Employment of the Murcia region in Spain.

The winning project presented by A-cero, raises the center as a landscape operation blurring the limits between architecture and free space. The horizontal plane of the plot bends producing a new orography marked by fissures that will be the spaces of access to the center and exterior spaces of the teaching areas. The resultant geometry north - south looks for the orientation for the interior program. The surrounding one (walls and covering) triangulated specializes and diversifies adopting different solutions as orientation and conditions of use. The idea is that it is possible to cover the "covering" as a park where there coexist green areas (indigenous vegetation and gardens) with areas destined for solar, photovoltaic panels, and other systems of clean energies and energy saving. A complex of 9,000 m² (97,000 sq. ft) constructed that there constitute teaching areas (lecture rooms and workshops), library, audio-visual, auditorium, administrative area, restoration, facilities and services and parking.

