Please use evidence-based data including year-end financial reports and historical data for comparison.

1. Describe how resources are aligned with the campus strategic plan, which includes Engagement, Service, and the Public Good; Welcoming and Inclusive Campus; Student Success; and Academic Distinction.

Funding from lottery fund was mainly used to purchase softwares and software licenses for ECST instructional laboratories. Having up-to-date engineering softwares available to our students is critical to their academic success. One of the software titles, Labview, a graphical programming software that help users visualize every aspect of the application, including hardware configuration, measurement data, and debugging, was purchased through a shared CSU agreement with many other CSU campuses from one of our vendors, National Instrument. In addition, a portion of the lottery budget was also used to purchase miscellaneous equipment items for the Hydrogen Station and the college.

2. Provide key performance metrics to measure and sustain success.

Every engineering courses that require access to real-world engineering software programs are included in their curriculum of studies and made available for students use in both in-class laboratories and in some cases, the student’s edition, can be downloaded from vendors’ website. The measurement of student success is that students are able to progress through their plan of study because resources, such as engineering softwares, are made available for all the engineering disciplines.

3. Describe program outcomes and results. Identify challenges encountered.
Continued lottery funding will help support the college to procure the needed professional engineering and scientific software programs for our students to succeed in their course work and completion of degree. Many students have completed their engineering programs annually and are in a good position to compete for good job offers.

Challenges:

Prior to FY 2017/18, ECST was allocated $208,000 to support both the STEP program and Softwares/Software License Fees. Now, the lottery budget allocation has been reduced to $141,260, of which roughly two-thirds of the budget is devoted to softwares and the remaining one-third to provide college equipment upgrades and maintenance. The STEP program expenses (averaged $150K+ annually) have been diverted to the general fund category.