



EnerNOC, Inc
One Marina Park Drive
Suite 400
Boston, MA 02210

Tel: 617 224 9900
Fax: 617 224 9910
www.enernoc.com
info@enernoc.com

To:

The Association for the Advancement of Sustainability in Higher Education (ASHEE)
Sustainability Tracking, Assessment, & Rating System (STARS)

From:

Prakash Rapolu, PE, CEM, DCEP, LEED AP
Senior Engineer
EnerNOC, Inc.

Subject: California State University, Chico Monitoring Based Commissioning (MBCx) Program

To whom it may concern, I write to affirm that California State University (CSU), Chico, identified, developed, and implemented a progressive energy and sustainability program worthy of recognition for innovation credit in accordance with the current STARS technical manual.

CSU Chico, identified the need for in-depth, data-driven, technology based building analysis and improvement at five priority buildings in 2008. As a leading campus in the CSU system, and in collaboration with the CSU Chancellor's Office, CSU Chico helped spearhead and demonstrate the development of a unique and advanced form of building retrocommissioning not previously seen in the marketplace. The campus and the Chancellor's Office retained our firm, EnerNOC, to provide this software and service combination for continuous data collection and automated diagnostics with high quality energy engineering in order to achieve both a deeper level of energy efficiency (EE) assessment and ongoing monitoring of EE improvements over time. This combination allows facilities staff to ensure significant, low cost improvements that persist year after year.

The project included the following buildings: O'Connell, Performing Arts Center, Student Services, Tehama Hall, and Yolo Hall. The project resulted in significant energy savings, incentivized by the utility, Pacific Gas & Electric, through the Statewide Energy Efficiency Partnership Program. The total energy savings for this five building portfolio was 1,378,800 kWh and 36,542 therms. The project cost totaled over \$400,000 and had a payback of less than two years.

We look forward to providing ongoing services to CSU Chico and applaud their innovative efforts as they continue improving campus sustainability.

Sincerely,

Prakash Rapolu, PE
e-mail: prapolu@enernoc.com