Summary of CSU Energy and Sustainability Requirements

1. LEED
   a. USGBC LEED Silver equivalent is required for new buildings and major renovations. Campuses shall strive to achieve Gold or Platinum levels.
   b. LEED certification is encouraged.

2. Carbon Emissions
   a. Strive to reduce greenhouse gas emissions (GHG) to 80% below 1990 by 2040
   b. EO B-30-15 orders a reduction of GHG to 40% below 1990 levels by 2030.
   c. Consider bottoming cycle cogeneration or fuel cells in lieu of boilers.

3. Resilience to Climate Impacts
   a. Projects shall take climate change into account in planning and scoping.
   b. Project shall employ life-cycle cost accounting to evaluate and compare infrastructure investments and alternatives.
   c. CSU capital program planning and investment shall be guided by the following principles:
      i. Priority should be given to actions that both build climate preparedness and reduce greenhouse gas emissions
      ii. Flexible and adaptive approaches shall be taken to prepare for uncertain climate impacts.
      iii. Per EO B 30 15, actions should protect the state’s most vulnerable populations.
      iv. Natural infrastructure solutions should be a priority.
   d. Cal Poly San Luis Obispo’s faculty have published Adaption Planning Guides that can assist MRB and campuses in project scoping.
      http://resources.ca.gov/climate/safeguarding/adaptation_policy_guide/

4. Water Conservation
   a. SB 407 requires existing non-current compliant water fixtures be replaced when renovations require a permit.

5. Metering & Meter Data Reporting
   a. Sub-metering shall be installed as part of the work when improvements affecting an energy or utility consuming system are made.
   b. Meters shall be connected to campus Energy Information Systems.
   c. New meter installations shall be communications capable revenue grade meters for all commodities used by the building/project, including but not limited to:
      i. Grid supplied electricity
      ii. On-site renewable electricity
      iii. Natural Gas
      iv. Potable Water
      v. Irrigation water
      vi. Heating Hot Water
      vii. Chilled Water
      viii. Sanitary Sewer
   d. Meter shall be capable of communication by TCP/IP, BACnet or Modbus protocols.