

March 25, 2014

MCES 2013 Energy Update

Environment Committee



Presentation Overview

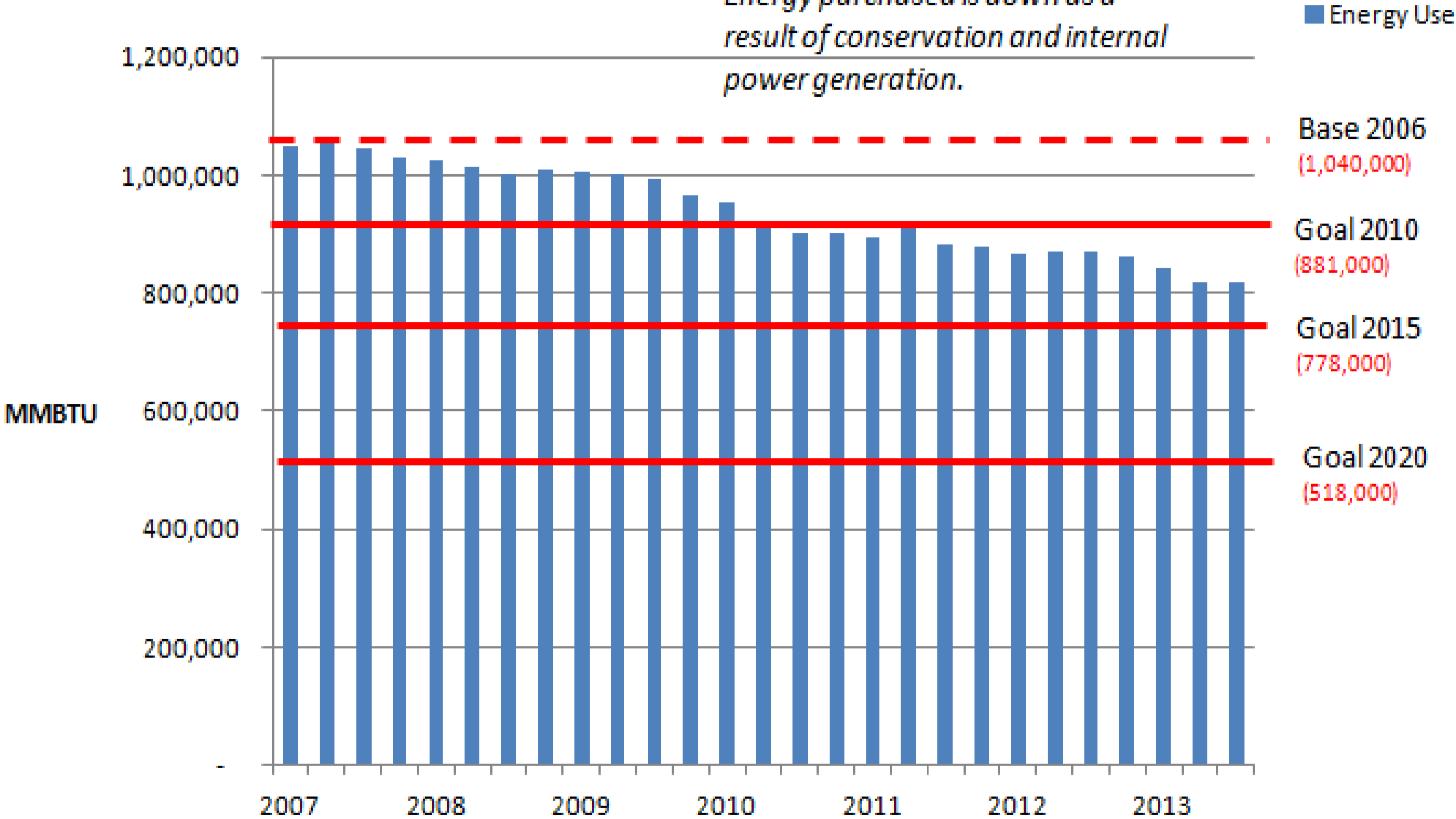
- Energy Goal Progress
- Financial Accomplishments
- Energy Planning and Management
- Solar Projects
- 2013 Energy Performance Report



MCES Energy Goal Progress

ES Energy Purchased

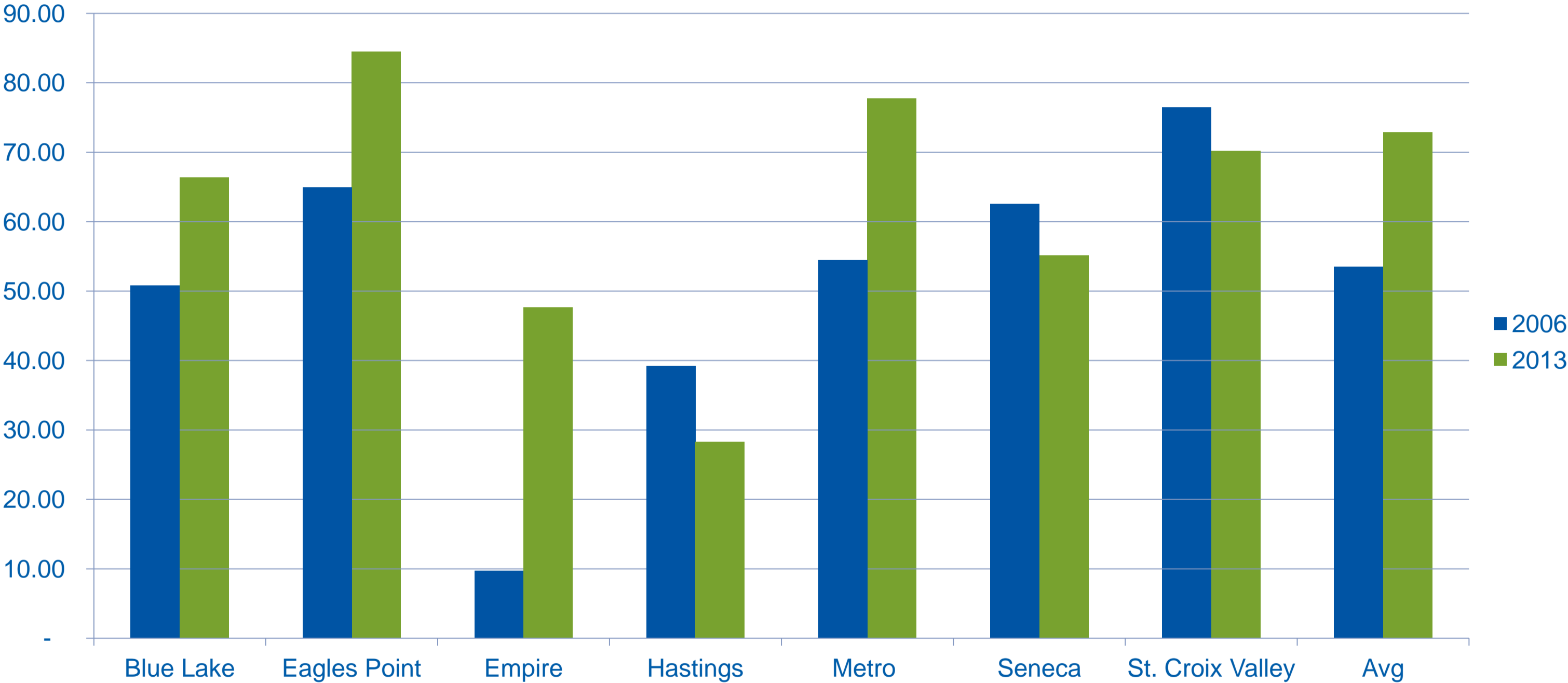
Energy purchased is down as a result of conservation and internal power generation.



Projected Goal Progress

- On track to meet 2015 Energy Goal!
 - projected additional savings 99,500 MMBTU by 2015
- Additional 200,000 MMBTU savings required to meet 2020 Energy Goal.

MCES Energy Star Ratings

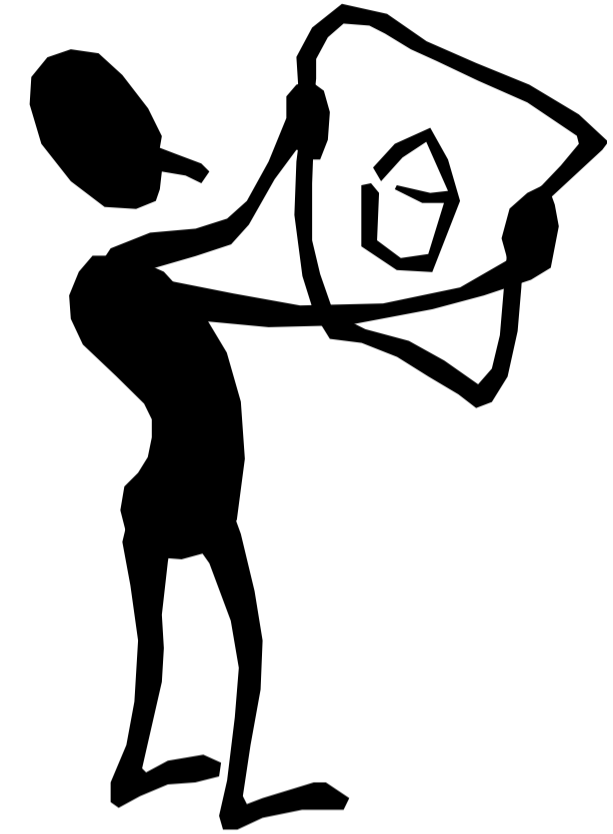


2013 Financial Accomplishments

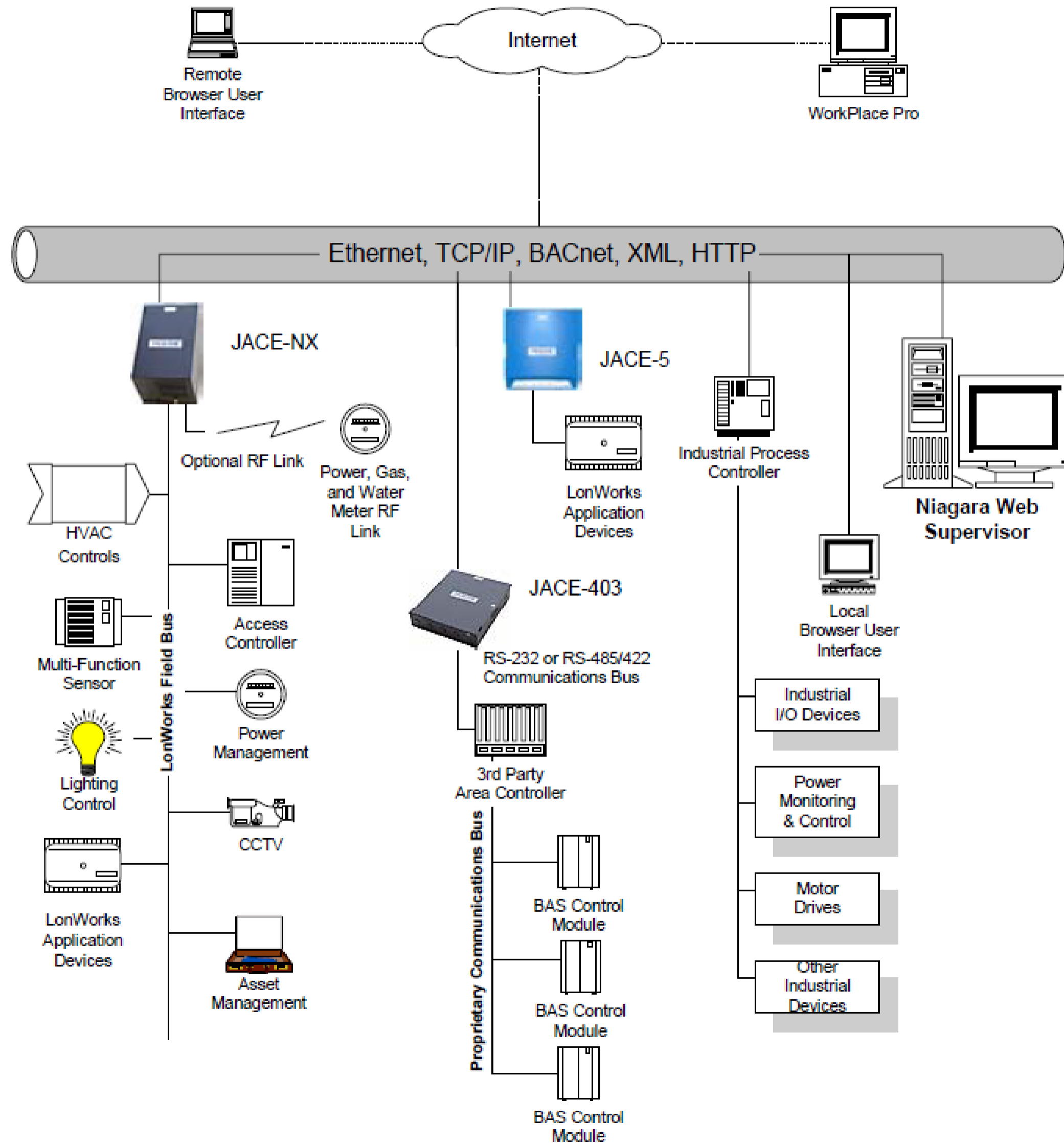


Energy Master Plan

- Project Cost – \$161,966
 - 85% paid by Xcel Energy
 - 15% paid by MCES
- Consultant – Brown and Caldwell
- Sept. 2013 – Project Kickoff
- Deliverable – Energy Master Plan Report
- Completion date – April 2014



Energy Management System



Solar Projects

- Blue Lake Solar
- Portfolio Solar
 - MCES and Transit
 - Multiple facilities



MCES ENERGY PERFORMANCE FOR 2013



Figure 1: MCE S staff (Brad Gehring, Nick Davern, Scott Getty (Xcel Energy), and Philip Novak) receiving \$233,000 rebate check from Xcel Energy for the non-condensing steam turbine.



February 2014



Questions?