

FACILITY ACTION PLAN

FACILITY Harstad Hall		SITE ID HARS	DATE 6/3/2010
CURRENT ENERGY USE INDEX (EUI) 3.44 kwh/sq ft Note: All steam heat is coming from UC's main plant	TARGET EUI 3.3 kwh/sq ft	AVERAGE EUI (BENCHMARK) FOR THE FACILITY TYPE 91.09* kBtu/Sq Ft 5.33 kwh/sq ft	
FACILITY LIASON(S) Rebecca Rumpza – Residential Life Facilities Coordinator	FACILITY RCM TEAM MEMBERS (NAME AND POSITION) Christine Cooley - Sustainability Coordinator		

POTENTIAL CONSERVATION MEASURES, OPERATIONAL IMPROVEMENTS, OR MODIFICATIONS	
MEASURE SUMMARY (LIST HIGH PRIORITY MEASURES FIRST)	FOLLOW UP BY (PERSON AND DATE)
1. Upgrade lighting	Bruce Broussard – July 30 th , 2010
2. unPLUG	Rebecca Rumpza – July 30 th , 2010
3. Add pipe insulation	CED (contractors) – July 15 th , 2010
4. Unplug the laundry facilities during breaks	Rebecca Rumpza – July 30 th , 2010
5. Install light switches on every floor	Bruce Broussard – August 30 th , 2011
6. Install light switches on the west entrance lobby	Bruce Broussard – August 30 th , 2011
7. Separating the light controls in room 112	Bruce Broussard – August 30 th , 2011
8. Put stairwell lighting on timers	Bruce Broussard – August 30 th , 2011

*Taken from "Commercial Building Energy Use Statistics" Dormitories with Fossil Fuel pre-1985

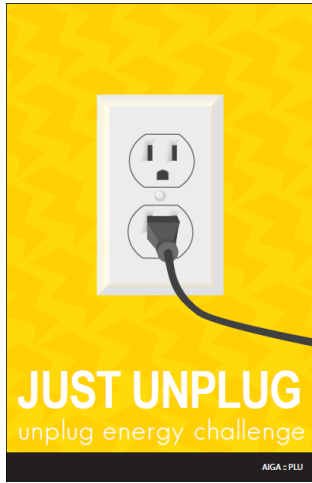
DETAILED MEASURE DESCRIPTIONS / NEEDS (OPTIONAL)

DESCRIPTION

1. Upgrade the T12 lighting to T8. There are currently 336 single tube fixtures with T12 ballasts at .55 amps and F20T12 lamps. We would replace those with electronic ballasts F32T8 at .28 amps and F17T8 lamps. This project can be completed in house.

RESOURCES REQUIRED
BPA funding is being pursued for this project
ACCOUNTABLE PARTY
Bruce Broussard, Maintenance Manager
SCHEDULE FOR COMPLETION
July 30th, 2010

2. unPLUG is an energy awareness competition primarily for educating student residents about phantom power, as well as the relationship between energy and environment.



By competing throughout the year, the 2009-2010 Harstad residents saved over 58,000kwh, (\$2,400) from the previous year. We are hoping that with improvements in the programming, an even better electric savings, as well as natural gas and water, will be realized in 2010-2011.

ACCOUNTABLE PARTY
Chrissy Cooley, Sustainability Coordinator
SUPPORT STAFF
Office of Residential Life
SCHEDULE FOR COMPLETION
Competition months are October and November 2010, and March and April of 2011

3. Insulate steam piping under first floor (Under floor piping is estimated at 100' of 2" and 100 ft. of 4" piping)

- o Insulate steam piping, pumps and valves in machine room
- o Install new riser pipe insulation that runs between floors in the dorms.
- o Insulate the 200 gallon hot water tank
- o Insulation sizing per code is as follows: Steam 1-1/2", Condensate 1", Hot water risers 1", Hot water tank 2"

RESOURCES REQUIRED
\$42,500
ACCOUNTABLE PARTY
Chrissy Cooley
SUPPORT STAFF
Contractors (McKinstry)
SCHEDULE FOR COMPLETION
September 3rd, 2010

4. Develop a policy to unplug the 8 washers and 9 dryers during unoccupied breaks as part of the regular move-out process.

RESOURCES REQUIRED
Collaboration with Residential Life
ACCOUNTABLE PARTY
Rebecca Rumpza, Residential Life Facilities Coordinator
SCHEDULE FOR COMPLETION
December 1st, 2010

5. Install light switches on every floor. Currently floors 2, 3 and 4 are forced to turn hall lights off with the fuse box. Floors 1 and 5 are left on because they do not have emergency lighting.

RESOURCES REQUIRED
Obtain quote
ACCOUNTABLE PARTY
Bruce Broussard, Maintenance Manager
SCHEDULE FOR COMPLETION
August 30th, 2011

6. There are no light switches for the west entrance lobby. There are 4 28w lamps left on 24 hours a day.



RESOURCES REQUIRED

Obtain quote

ACCOUNTABLE PARTY

Bruce Broussard, Maintenance Manager

SCHEDULE FOR COMPLETION

August 30th,2011

7. Room 112 consists of 4 offices that all share one light switch. PLU should consider separating the light controls.

RESOURCES REQUIRED

Obtain quote

ACCOUNTABLE PARTY

Bruce Broussard, Maintenance Manager

SCHEDULE FOR COMPLETION

August 30th,2011

8. Put stairwell lighting on timers

RESOURCES REQUIRED

Obtain quote

ACCOUNTABLE PARTY

Bruce Broussard, Maintenance Manager

SCHEDULE FOR COMPLETION

August 30th,2012