
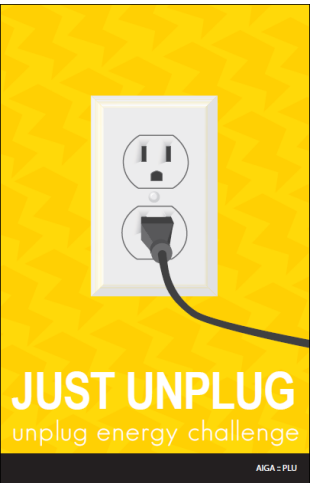



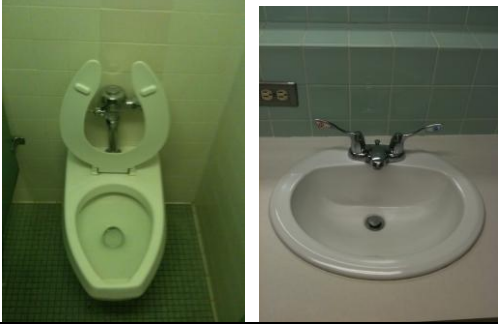
# FACILITY ACTION PLAN

FACILITY Ordal Hall		SITE ID ORDA	DATE 5/5/2010
CURRENT ENERGY USE INDEX (EUI) 123 kBtu/Sq Ft 11.5 kWh/Sq Ft Note: Stuen is high because boilers heat the Ordal as well.kBtu/Sq Ft	TARGET EUI 90 kBtu/Sq Ft 10.6 kWh/Sq Ft	AVERAGE EUI (BENCHMARK) FOR THE FACILITY TYPE 91.09 kBtu/Sq Ft 5.3 kWh/Sq Ft	
FACILITY LIASON(S) Rebecca Rumpza – Residential Life Facilities Coordinator	FACILITY RCM TEAM MEMBERS (NAME AND POSITION) 1. 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 the T-12 fixtures to T-8	Bruce Broussard – July 25 <sup>th</sup> , 2010
2. Encourage residents to use the Smartstrips	Chrissy Cooley – September 1 <sup>st</sup> , 2010
3. unPLUg	Rebecca Rumpza – July 30 <sup>th</sup> , 2010
4. Install 25 occupancy sensors for lighting control	Bruce Broussard – July 31 <sup>st</sup> , 2010
5. Upgrade water fixtures in restrooms	Bruce Broussard – October 1 <sup>st</sup> , 2010
6. Install weather stripping to the windows and doors	Bruce Broussard – October 1 <sup>st</sup> , 2010
7. Add insulation in the attic spaces	Lyle Kendal – August 1 <sup>st</sup> , 2010
8. Install dedicated electric heat pump domestic hot water heaters	Dave Kohler – December 1 <sup>st</sup> , 2012

DETAILED MEASURE DESCRIPTIONS / NEEDS (OPTIONAL)		
DESCRIPTION	INSERT PHOTO HERE (OPTIONAL)	
<p>1. Upgrade the T-12 fixtures with magnetic ballasts to T-8 lamps with electronic ballasts. (25 T-12 fixtures and 64 lamps)</p> 	<p><b>RESOURCES REQUIRED</b> \$3,240.00 Maintenance staff needs to review if this project can be done in house <b>ACCOUNTABLE PARTY</b> Bruce Broussard, Maintenance Manager <b>SUPPORT STAFF</b> Kerry Christensen, General Maintenance <b>SCHEDULE FOR COMPLETION</b> August 1<sup>st</sup>, 2010</p>	
<p>2. Encourage residents to use the Smartstrips purchased as part of unPLUG last year. This can be done with signage, training in orientation, and RA dorm checks.</p>	<p><b>RESOURCES REQUIRED</b> Collaboration with RA's and RD's <b>ACCOUNTABLE PARTY</b> Chrissy Cooley, Sustainability Coordinator <b>SCHEDULE FOR COMPLETION</b> September 4<sup>th</sup>, 2010</p>	
<p>3. unPLUG is an energy awareness competition primarily for educating student residents about phantom power, as well as the relationship between energy and environment. 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.</p>		<p><b>ACCOUNTABLE PARTY</b> Chrissy Cooley, Sustainability Coordinator <b>SUPPORT STAFF</b> Office of Residential Life <b>SCHEDULE FOR COMPLETION</b> Competition months are October and November 2010, and March and April of 2011</p>
<p>4. Install occupancy sensors for lighting control. (assume total of 25 occ sensor switches)</p> 	<p><b>RESOURCES REQUIRED</b> \$5,153.00 (McKinstry estimate) Needs to be reviewed by maintenance to consider in house <b>ACCOUNTABLE PARTY</b> Bruce Broussard, Maintenance Manager <b>SUPPORT STAFF</b> Kerry Christensen, General Maintenance <b>SCHEDULE FOR COMPLETION</b> August 1<sup>st</sup>, 2010</p>	

5. Upgrade the toilet to 1.28gpf model, urinals to 1/ 8gpf and install 0.5gpm aerators on faucets. (36 toilets and 36 faucets)



**RESOURCES REQUIRED**

\$91,378.00

Needs Maintenance review; may be possible in house

**ACCOUNTABLE PARTY**

Bruce Broussard, Maintenance Manager

**SUPPORT STAFF**

Ross Winters, Campus Plumber

**SCHEDULE FOR COMPLETION**

Will be reviewed by October 15<sup>th</sup>

6. Install weather stripping to the exterior windows and doors. Seal the roof/wall intersection. (870 ft of wall/ roof intersection, 60 bay windows (3.5'x5' + 5'x5' + 3/ 5'x5'), 36 7'x5' windows, 45 7'x4' windows and 60 3'x3' windows and 7 exterior single doors)



**RESOURCES REQUIRED**

\$203,387.00

Needs examined by the Maintenance staff

**ACCOUNTABLE PARTY**

Bruce Broussard, Maintenance Manager

**SCHEDULE FOR COMPLETION**

Examined by October 15<sup>th</sup>, 2010

7. Add insulation in the attic spaces. (17,000 SF R-38 batt insulation in the attic)

**RESOURCES REQUIRED**

\$58,787.00

Obtain quote

**ACCOUNTABLE PARTY**

Lyle Kendal, Project Coordinator

**SCHEDULE FOR COMPLETION**

Obtain quote by August 30<sup>th</sup>, 2010

8. Install dedicated electric heat pump domestic hot water heaters to replace the existing East and North storage tanks. Shut off the main boilers to save on standby and distribution energy loss. (Install Qty of 9 Stiebel-Eltron Accelera heat pump DHW heaters in the attic space)

**RESOURCES REQUIRED**

\$215,902.00

Needs to be listed on the Capital Projects list

**ACCOUNTABLE PARTY**

Dave Kohler, Facilities Management Director

**SCHEDULE FOR COMPLETION**

January 20<sup>th</sup>, 2013