

FACILITY ACTION PLAN

FACILITY Mary Baker Russell Music Center		SITE ID MBR	DATE July 28, 2010
CURRENT ENERGY USE INDEX (EUI) 293 kBtu/Sq Ft 26.83 kWh/Sq Ft	TARGET EUI 150 kBtu/Sq Ft 15 kWh/Sq Ft	AVERAGE EUI (BENCHMARK) FOR THE FACILITY TYPE 107.69 kBtu/Sq Ft 12.52 kWh/Sq Ft	
FACILITY LIASON(S) David Robbins Chair of the Department of Music	FACILITY RCM TEAM MEMBERS (NAME AND POSITION) Christine Cooley Sustainability Coordinator		

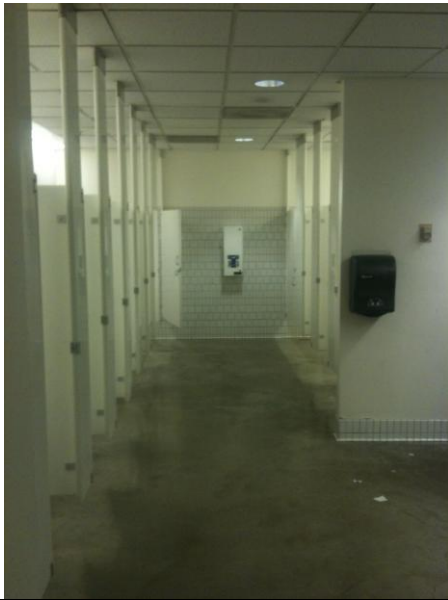
POTENTIAL CONSERVATION MEASURES, OPERATIONAL IMPROVEMENTS, OR MODIFICATIONS	
MEASURE SUMMARY (LIST HIGH PRIORITY MEASURES FIRST)	FOLLOW UP BY (PERSON AND DATE)
1. Temperature Set Point Policy programmed to be enforced	Sean Lynn – August 30 th , 2010
2. Install occupancy sensors in the restrooms	Dave Kohler – January 30 th , 2010
3. Meet with Hermanson to discuss VFD feasibility	Sean Lynn – September 1 st , 2010
4. Replace 3 light bulbs with CFLs	Chrissy Cooley - complete
5. Fix broken 3-way switch in storage room	Bruce Broussard - August 30 th , 2010
6. Install gooseneck water filling station	Ross Winters – August 30 th , 2011
7. Replace existing tungsten halogen flood lights with LED flood lights and reprogram timer	Bruce Broussard - May 30 th , 2011
8. Program reoccurring work order to program occupancy hours per season	Love Funkhouser – upon the installation of Famis
9. Install photo sensors for day lighting control in main lounge and hallways	Dave Kohler - June 30 th , 2011
10. Weatherstrip metal doors	Bruce Broussard – October 1 st , 2010
11. Meet with Hermanson to discuss providing a supply duct CO2 sensor for main AHU's	Sean Lynn – September 1 st , 2010
12. Upgrade toilets and install aerators on sinks	Ross Winters - August 30 th , 2011
13. Discuss implementation of CHW temperature reset, AHU DAT reset, AHU static pressure reset and boiler HW temperature reset with Hermanson.	Sean Lynn – September 1 st , 2010

DETAILED MEASURE DESCRIPTIONS / NEEDS (OPTIONAL)

DESCRIPTION

1. Create Temperature Set Backs, Temperature Set Point Policy needs to be enforced

RESOURCES REQUIRED
Controls technician's time
ACCOUNTABLE PARTY
Sean Lynn
SCHEDULE FOR COMPLETION
complete



2. Install occupancy sensors in the men's and women's restrooms. The men's room has 14 T8 lamps, and the women's has 22 T8 lamps.

ACCOUNTABLE PARTY
Dave Kohler
SUPPORT STAFF
Danard Electric
SCHEDULE FOR COMPLETION
December 10th, 2010

3. Install VFD's on the SF and RF and modulate the fan speed based on the duct static pressure. Install VFD on HW and CHW pumps and modulate the pump speed based on the differential pressure. (AHU-1: 15hp SF, 7.5hp RF; AHU-2: 10hp SF, 10hp RF; AHU-3: 30hp SF, 15hp RF; AHU-4: 5hp SF, 3hp RF; (2) 7.5hp HW pumps,(2) 10hp CHW pump) Install (2) differential pressure sensors for HW and CHW loop and install (1) static pressure sensor for each AHU.

RESOURCES REQUIRED
Calculations for savings
ACCOUNTABLE PARTY
Sean Lynn
SUPPORT STAFF
Hermanson
SCHEDULE FOR COMPLETION
August, 2011

4. Replace 3 incandescent bulbs with 3 CFLs on the west stage entrance.

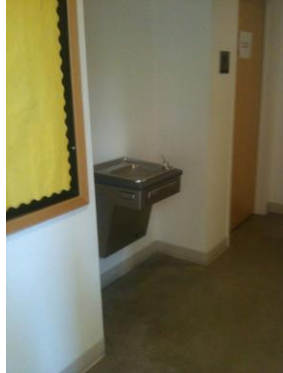
ACCOUNTABLE PARTY
Chrissy Cooley
SCHEDULE FOR COMPLETION
complete

5. Fix broken hotel switch in behind the stage storage area. Put on a timer.

RESOURCES REQUIRED
Work Order
ACCOUNTABLE PARTY
Bruce Brouard
SCHEDULE FOR COMPLETION
September 30th, 2010

6. Install gooseneck water bottle filling stations on water fountains.

ACCOUNTABLE PARTY
Ross Winters
SCHEDULE FOR COMPLETION
July, 2012



7. The halogen accent lighting for the Chihuly artwork is left on all night. May not need all the bulbs. Replace existing tungsten halogen flood lights with LED flood lights (about 24 fixture with 130 lamps and 500W/ lamp).



RESOURCES REQUIRED

Collaboration with BPA

ACCOUNTABLE PARTY

Dave Kohler

SUPPORT STAFF

Danard Electric

SCHEDULE FOR COMPLETION

January, 2011


8. Reset summer occupancy hours on a regular basis. Input reoccurring order in Famis.

ACCOUNTABLE PARTY

Sean Lynn

SUPPORT STAFF

SCHEDULE FOR COMPLETION

	<p>9. Install photo sensors for day lighting control in main lounge and hallways.</p>	<p>RESOURCES REQUIRED ACCOUNTABLE PARTY Dave Kohler SUPPORT STAFF SCHEDULE FOR COMPLETION December, 2010</p>
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	<p>10. Weather strip metal doors</p>	<p>RESOURCES REQUIRED Work Order ACCOUNTABLE PARTY Bruce Brouard SCHEDULE FOR COMPLETION October, 2010</p>
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<p>11. Provide a supply duct CO2 sensor for main AHU's - this sensor will detect "unused" return air and modulate the outside air damper accordingly. Total of (4) supply air CO2 sensor kits.</p>	<p>ACCOUNTABLE PARTY Sean Lynn SUPPORT STAFF Hermanson SCHEDULE FOR COMPLETION Summer, 2011</p>
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<p>12. Upgrade the toilets to 1.28 gpf model, urinals to 1/8gpf and install 0.5 gpm aerators on faucets. (4 urinals, 14 toilets, 10 faucets).</p>	<p>ACCOUNTABLE PARTY Ross Winters Aries SCHEDULE FOR COMPLETION Summer, 2011</p>
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<p>13. Implement CHW temperature reset, AHU DAT reset, AHU static pressure reset and boiler HW temperature reset. Total of 4 AHU's.</p>	<p>ACCOUNTABLE PARTY Sean Lynn SUPPORT STAFF Hermanson SCHEDULE FOR COMPLETION Summer 2011</p>
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