

Plant Utilization and Planning Meeting

Minutes February 13, 2014

TOPIC	DISCUSSION	ACTION TO BE TAKEN
Call to order	Susanna Leers called the meeting to order at 3:00	
Review minutes from January Meeting	Motion to accept the minutes. Moved and seconded	
New Business	Ellie Kerr will be the new student representative – not here today	
Presentation – Zullo & Fisher	<ul style="list-style-type: none"> • Energy Conservation in facility management • Long term commitment in University • 6 million dollars of funding was invested in 2002 for energy conservation projects, resulting in a cumulative cost avoidance of \$17.4 million to date for those projects. Since 1996, an estimated cost avoidance of over \$46 million has been achieved via energy conservation projects. Energy conservation process - continuous conservation cycle (CMMA) • Control –highly sophisticated energy management systems (environmental control). Particular focus on efficiently controlling research spaces as they have greater demands. • Maintenance – proper maintenance to take routine preventative measures. Includes sensors to detect need rather than relying on time rubrics • Measurement – Metering systems to all buildings – know where energy is going. Used to identify higher than average use and look for operational problems. Useful for identifying outage events • Analysis – new enterprise energy management system for analysis of data – will simplify collection, storage and analyses of data. Look at trends over time and variables that effect these. Can track effect of projects on savings • Energy conservation initiatives <ul style="list-style-type: none"> • Energy efficient construction and renovations • Building automation systems • Lighting upgrades • Occupancy and vacancy sensors • Mechanical and electrical systems upgrades • Chilled water plant efficiency improvements • Water conservation initiatives • Extensive building sub metering • Renovations <ul style="list-style-type: none"> • Benedum Hall Renovations – projected to reduce energy consumption 	

	<p>by 17.5%, LRDC – 38% reduction in electric use, \$75,000, Science and Frick Fine arts - \$61,000 reduction, Parking garage lights – \$26,000, Lawrence Hall - \$33,000, Thackeray Hall - \$35,000, Lowe camp chill waterplant, \$82,000, Posvar – \$39,000, Bellefield – \$23,000, Steam traps replaced - \$165,000, Replaced 1750 faucets with low flow – 50-77% flow reduction per faucet</p> <ul style="list-style-type: none"> • Energy data from 2011-2013 – despite larger campus we had reduction in electricity, steam, and water consumption • PA Act 129 Energy Rebates – Pitt has received \$327,000 rebates from Duquesne Light. Regional campuses also receiving rebates • FM Energy Center – 5th floor of Eureka Bldg. All energy related people consolidated there to improve collaborations – added command center to examine diagnostic tools and monitoring • Building automation system –centralized method to control temperatures and ventilation – One system rather than multiple systems. 4.8 million invested – 28 million in cost avoidance. Have gradually implemented throughout buildings. Can log into system and monitor and make changes as needed. Dan Fisher gave a live demonstration of the system. 	
Facilities Management Report (Fink)	<ul style="list-style-type: none"> • Benedum 9th floor. • Salk hall should be completed around September. • Design of for total renovations GSPH, Clapp will go to facilities committee in March. • Cathedral elevator project – meeting with design/construction team (Otis has signed contract) – working through design, scheduling, interference issues. Probably at least 2 year project. Design portion starting now, we need to purchase equipment. • Helium recovery project going to committee in March (mid campus). • Putting more cooling and electrical infrastructure in the NOC (Networks Operation Center) facility. 	
Community Updates (Wilds)	<ul style="list-style-type: none"> • University Place – Parking authority - 15 “free” spots will be replaced by pay stations once weather gets better 	
Other business	<p>Registrar coming next meeting to talk about scheduling. Public safety issue – no automatic defibrillators in many buildings. Department have been told that they have to pay for them themselves</p>	David DeJong will look into the defibrillator issue
Adjournment	Pat Weiss adjourned the meeting at 4:30	

Attending:

Nancy A. Baker
Susanna Leers
Paul Munro
Patricia Weiss
Patricia Roncevich
David DeJong
Joseph Fink
Eli Shorak
Paul Supowitz
John Wilds
Laura Zullo
Sarah Winston
Madeline Chavara
Kay McGill
Sage Lincoln
Dan Marcinko
Dan Fisher
Al Agostanelli
Kristin Gusten