FM504 - Facilities Management Sections 708 & 928 Lessons

Course Description | Course Syllabus | Calendar | Instructor | Forum | Tests & Quizzes | Gradebook | DropBox | Your Account | Email Instructor | Log Off | Back To Homepage

Energy & Utilities Management

Why, as facilities managers, should we be concerned about energy and utilities usage? The production guys need power to run their machines; the IT guys need cooling for their systems to support production; and we need lights to operate, right? What can I do? Since the cost of energy is one of the largest costs in a manufacturing facility, any savings (aside from good sense) would directly affect the "bottom line" and the cost of the finished product. So how do I find out about Energy Management?

Energy Management is a topic for a semester or more of education, not to mention continuing education and professional development, just to keep up with progress. So, obviously in a half-week's lesson, we will only scratch the surface. But, once again, you need to get some familiarity with the process and background.

Read the three Journal articles listed below. They can be accessed through ProQuest in the Kent Library databases. Click here to access Kent Library "Find Articles..." You can search by author, or title. As long as you go through your portal (one way or another) you do not have to pay for journal articles.

The first article addresses campuses (campi?) as in multiple buildings, and the second one is more oriented towards buildings, but they give a good overview of Energy Management. The third article is geared more toward industrial applications, and good information on developing a plan for energy management, even though it is a few years old. While you are reading these articles, look for information on the various types of energy management (i.e. what systems or components), various tools of energy management (e.g. sensors, control systems, etc.), and what steps could be taken to implement a management system (e.g. auditing, benchmarking, etc.).


Click here to return to Assignment 7

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Back to Top