

# Emendee Buzz

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Energy & Telecommunications Solutions

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## Client Corner:



### Millstone Power Station

Many people think of a nuclear power station as already being green, since they do not use fossil fuels to produce electricity.

Dominion Power, the parent company of Millstone Power Station, has gone even greener!

After an initial visit on campus in early 2010, Emendee coordinated and conducted a free energy audit. Many measures were proposed, including new, energy-efficient high-bay fluorescent lights with motion sensors, offering an aggressive return on investment of around two years!

Dominion decided to move ahead with the proposal in early November.

According to Doug Hughes, Facilities Supervisor at Millstone; "Dominion looks for opportunities for green initiatives as well as ways to save money. This project has both benefits."

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**Next Issue:**  
**VoIP Networks**

## Energy Management Systems (EMS) 101

EMS uses computer software and hardware to integrate with the heating/cooling, ventilation & lighting of a building. A properly installed EMS system "learns" how a building uses energy, and uses that "intelligence" to conserve energy, and save money.



*An EMS Cabinet*

EMS solutions can:

- Control air-temperature and humidity levels
- Temporarily over-ride settings
- Integrate with water, electricity & gas meters to trend irregularities
- Remotely trouble-shoot and monitor problems
- Pay for themselves in a few years!

The overall goal for installing and using an EMS solution is to cut energy consumption & costs, while providing a safe & comfortable environment for building occupants. The savings that an EMS solution can offer will help to off-set the cost of a new or upgraded system. This, combined with lighting, HVAC and refrigeration upgrades, is a small investment with years of big returns!

## VoIP Phone Systems

Voice over Internet Protocol (VoIP) Phone Systems uses a technology with a certain set of rules (or protocol), to deliver both voice traffic and data traffic over one network.

Some of the many benefits of a VoIP telephone-system include:

- One wire (instead of two) for new locations for both data & voice
- Ease of moving phones by simply plugging them in
- Remote access: Allows employees to work at home, and appear like they are in the office