

Emendee Buzz

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Energy & Telecommunications Solutions

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Client Corner:

Energy & Telecommunication Savings



Over the past few years, Emendee has found savings for dozens of schools and churches. One client, in Cheshire, CT, is now enjoying savings on their utility bills.

It all began with an immediate savings on their supply charge on their electric bill. Next, an energy upgrade was done at their facility in CT. (An energy upgrade in their NY location will be completed later this summer.) And, by changing their phone & internet provider, the facility is enjoying a 25% monthly savings on their telecom bill!

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Next Issue:

Voice Service:
The Cable Company vs. The Phone Company

DSL Service Vs. Cable Modems

ADSL (which stands for Asymmetrical Digital Subscriber Line), offered by the local phone company, offers simultaneous voice & data services over a single phone line. Speeds are normally up to 6M's (6 million megabits per second) downstream (receiving), and 768K (768 thousand bits per second) upstream (sending), although faster speeds may be available. A filter is used to separate the voice and data signals, to allow for a clear voice connection while simultaneously using the internet.

Cable Modems, offered by the Cable Companies, have their own dedicated cable wire connection, and tend to be much faster than regular DSL, with speeds of 15M down, and 2M up, or more.

	<u>Common Advantages</u>	<u>Common Disadvantages</u>
<u>ADSL</u>	- Low Cost - Dedicated Connection To The Phone Company	- Uploading Tends To Be Slower Than Downloading - Maximum Speeds Vary Based On Customer Location
<u>Cable Modem</u>	- Reasonable Cost - Entirely Separate Network From The Phone Company	- Speeds Tend To Decrease When Neighbors Increase Internet Usage

Contact Dave to find out which solution is right for your business!

Variable Frequency Drives

One way to save on energy costs is by installing Variable Frequency Drives (VFD) in motor equipment.

A VFD works like a gas pedal does. As we enter a highway on-ramp, we slowly increase the speed of the car by stepping on the gas. As we hit our normal speed, we can ease up and adjust the pedal accordingly.

Fans, air handlers, mechanical breaks, pumps, and other motor equipment are all perfect examples of where VFD's may be a good fit. When electric motors are upgraded with VFD technology, the savings can be huge. Even upgrading from a unit with 80% efficiency to a unit with 92% efficiency can turn into huge savings!