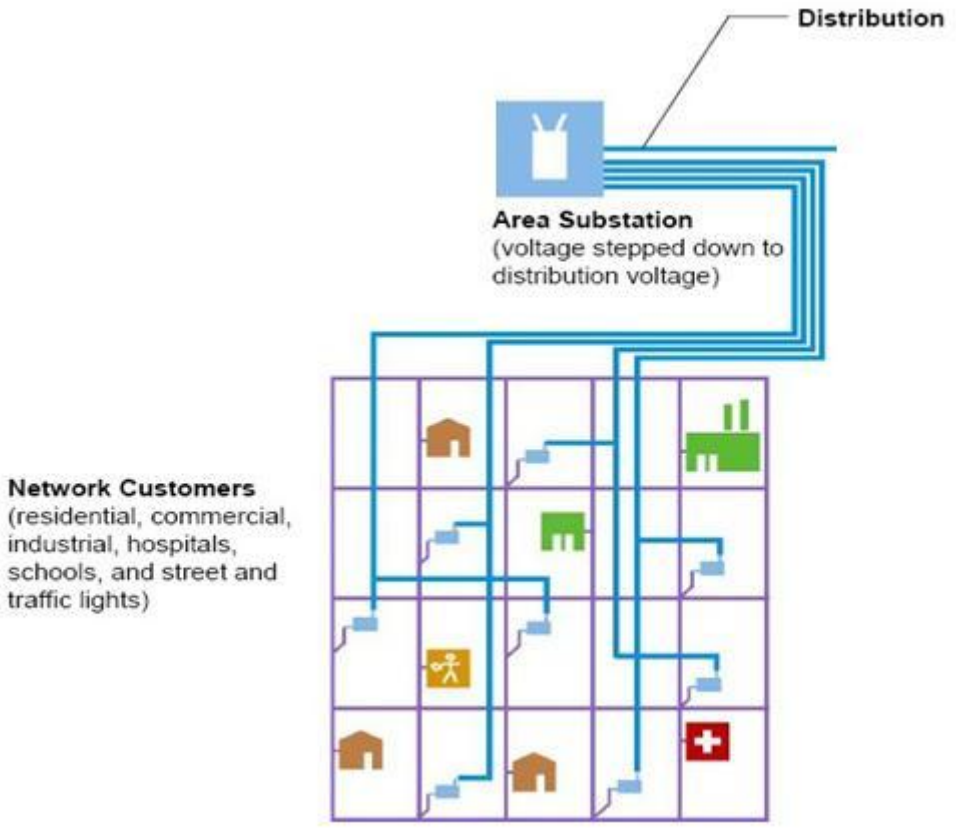
owlmotorcontrol.com/docs/welcome-to-a-der-to-be-remembered.html

Welcome to 'A DER to be Remembered':

Our 'Intelligent Motor Controllers' are energy efficiency DERs - Distributed Energy resources



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The DERs, Distributed Energy Efficiency resources, our Intelligent motor controllers being introduced here will provide Summer demand management at area substations; 25% reduced electricity usage for key summer demand sources as three phase air conditioning and refrigeration systems; significantly decrease DR (Demand response) expenses.

The DER's include unexpected contradictions: Power company will love these intelligent motor controllers DERs as they will reduce summer demand. Customers will love these DERs as they will see reduced electricity charges.

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Owl Energy Technologies

We are a distributor of a family of "Intelligent Motor Controllers" with Variable Voltage Drive (VVD) capabilities for three phase alternating current fixed speed motors. Our Intelligent Motor Controllers reduce electricity for commercial & industrial power company customers. They are and have been in use successfully worldwide for Ten (10) years.	Owl Energy Technologies

These "Intelligent Motor Controllers" -DERs - Provide electricity usage reductions and Soft-start with significant start-up spike reductions. Reduced electricity usage provides extended motor life and KVAR, Power Factor, corrections for the power company grid.

DERs, Distributed Energy Resources have several flavors of definition. One of these is Energy efficiency, demand response, distributed generation, or other resources that provide load relief for the identified area of need. The applications can be behind-the-meter or as our DER is, in-front-of-the meter.

Our DERs

The Motor Controllers being introduced here are Distributed Energy Resources (DERs) in the Energy Efficiency category and in front of the meter, part of the area substation grid.

Graphic of our motor controllers

	**Our Motor Controllers** - Three Phase Distributed Energy Resources - **DERs** The Motor Controllers being introduced here are Three Phase Distributed Energy Resources (DERs) in the Energy Efficiency category and in front of the meter, part of the area substation grid. The motor controllers have Variable Voltage Drive (VVD) capabilities. Our motor controllers are and have been used successfully worldwide for Ten (10) years. **The DER's include unexpected contradictions**: Power company will love these intelligent motor controllers DERs as they will reduce summer demand. Customers will love these DERs as they will see reduced electricity charges.

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Summer demands sources and expected electricity usage reductions

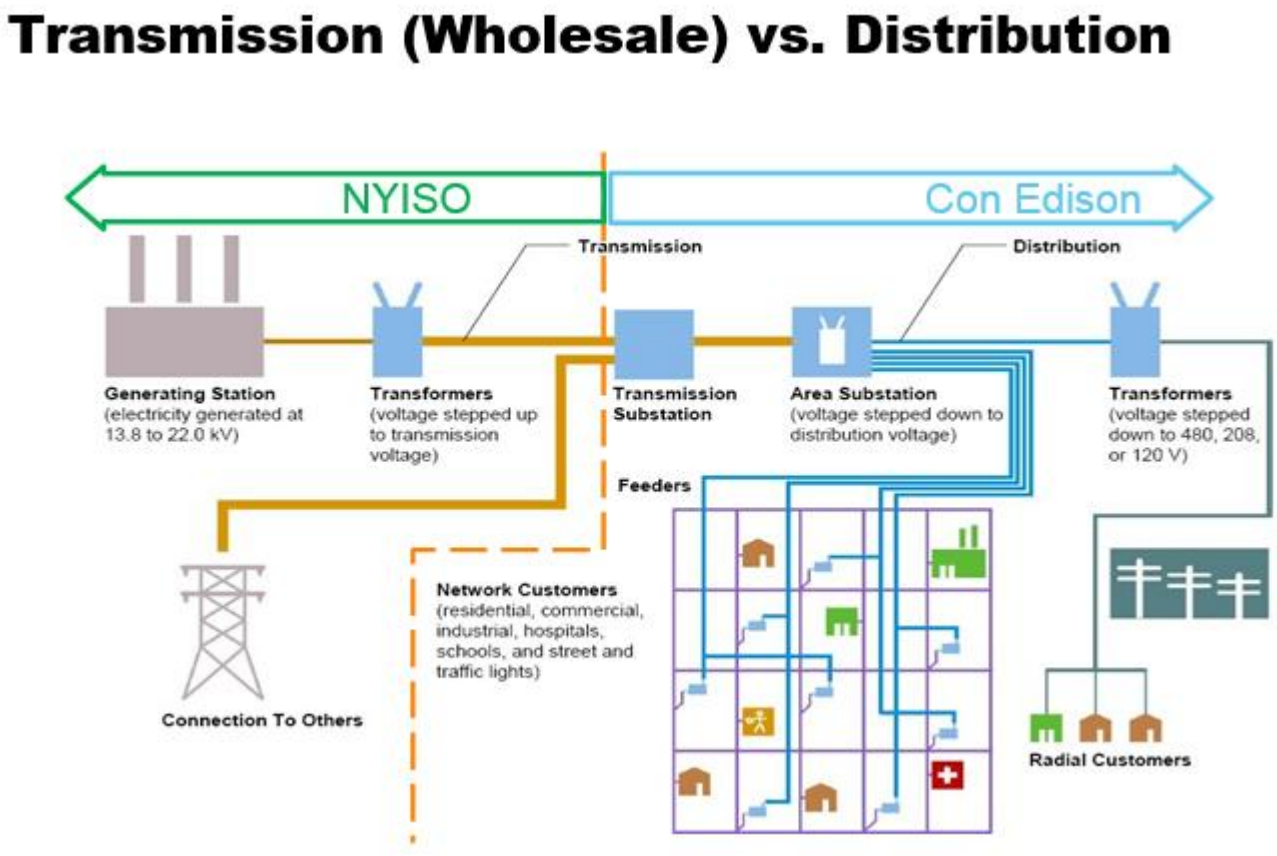
Three phase Air conditioning and refrigeration systems are significant sources of summer demand will see 25% electricity usage.

Summer Demand Reductions

Our motor controllers will contribute to significant reductions of U.S. power company summer demand needs. As summer Demand Response (DR) provided temporary summer demand relief, our motor controllers provide Demand Management (DM), permanent reductions for each air conditioning and or refrigeration system motor controller installation.

This means, whenever there is an hour of demand reduction needed, reductions will be provided from each air conditioning and refrigeration system with a motor controller installed.

A majority of power company summer demand issues result from the increase three phase air conditioning and refrigeration usage. These systems can be used with our DERS: motor controllers.



The graphic above is repeated in every state in the U.S. A company or companies provides electricity via distribution network to an electricity power company.

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Please note " Area Substation" and "Network Customers" above. Even a medium to large electricity power company may have dozens of area substations to service their customers.

Area Substations Inventories are now a summer demand management tool and resource as our motor controllers work with new applications - three phase air conditioning and refrigeration systems.

At the "Area Substation"

At the "Area Substation", there are now compelling reasons for power companies to inventory three phase air conditioning and refrigeration systems. This inventory will enable a determination of expected summer demand levels.

As the motor controllers are installed at customers installations by area substation, electricity reductions will reduce summer demand levels and reduce demand response needs and costs.

Motor controller installations can also be determined and planned that will increase capacity for customer installations at the area substation.

Smart Grid capabilities provided

Our motor controllers provide smart grid capabilities: reduced electricity usage, reduced start-up spikes and power factor corrections. There are communications capabilities that would enable motor controller operations to be monitored at facilities and locations determined by the local power company..

Additional applications:
Applications available with our Motor controller DERs include a variety of industrial and factory applications as well as escalators and single motor elevators.

Applications as oil field pump jacks, escalators, lifts, pumps, conveyor belts, pulverizors, metal machining and manufacture, wood working, metal presses, plastic injection molding, and more, will also see reduced electricity usage. Our Intelligent Motor Controllers also provide soft-start and soft-stop capabilities so that your motor/application devices work far more effectively while also reducing wear and tear on the motors and pulleys used, thus reducing maintenance and operating costs. Units are available in three-phase up to 1400 HP.

Contact Information

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