

The Green Connection



Products + Services + Solutions = Cost Savings

December 2009



Renewable Energy The Next Greatest Source for Electricity

As a leading edge electrical distributor, McNaughton-McKay is deploying resources to support this emerging market with sales, inventory, and technical support. McNaughton-McKay has partnered with leaders in the renewable energy field such as BP Solar, Schletter, and Ohio Green Wind. We have been involved in several diverse projects for commercial and industrial applications, as well as solar energy systems for schools, universities, and residential applications. McNaughton-McKay's aim, as a distributor of renewable energy products, is to provide products and services that make widespread implementation of solar and wind systems a reality. Analysts are predicting that renewable energy will supply 60 percent of the world's electricity by 2060. With a combination of energy conservation and sourcing renewable energy alternatives, we can have a significant positive impact financially and environmentally. McNaughton-McKay is piloting our renewable energy initiative in Michigan and will be rolling it out in 2010 to our other regions.

Wind Power Solutions

Wind energy is one of the fastest growing power generation sources today. Countries around the world are all investing in wind farms to harness

this highly sustainable energy resource. Wind provides outstanding performance per dollar invested, and as a result energy companies are making plans to build new and expand existing wind farm operations. Knowledge of construction requirements, specifications, and partnerships with consulting firms, manufacturers, and distributors like McNaughton-McKay, will be critical to winning projects.

McNaughton-McKay has the expertise, resources and industry partners to deliver an integrated electrical, networking, and predictive maintenance solution designed to address the unique needs and challenges of the wind energy industry. Our comprehensive wind energy solutions include generation, electrical infrastructure solutions, industrial networking, and condition monitoring. We offer several advanced-technology small and medium wind products that let homeowners, businesses, and communities generate their own clean power. This energy offsets the power consumed from the grid, and in many cases can produce more than the site requires providing a net credit on your utility bill. McNaughton-McKay provides urban and suburban businesses and homeowners in favorable wind environments an effective solution for lowering energy bills and reducing carbon emissions- helping to preserve the environment. [Read More](#)



Solutions for Solar Power Generation

Solar power is a clean and renewable energy source that helps you save money and protects the environment. McNaughton-McKay can design solar electric systems for homeowners, businesses and municipalities. We aim to provide the best quality products and services. Reliability and longevity are built into the world-class photovoltaic (PV) solar cells and modules we distribute.

How does solar energy generate electricity?

Solar energy generates electricity through the use of photovoltaic (PV) or solar modules which convert the sun's light energy into electric energy. After passing through a component called an inverter, the direct current (DC) electricity generated by solar panels is converted to alternating current (AC), and connected directly to the building power distribution system. The electricity generated works just like the electricity delivered by your local utility.

What can McNaughton-McKay provide in terms of solar PV solutions?

McNaughton-McKay's Engineered Solutions Group can assist you with the following:

- Solar (PV) String Sizing / Inverter Sizing Calculations
- Solar (PV) System Output Simulations using Maui Solar Design Studio
- System 1-Line Electrical Schematics
- System Roof Layout Diagrams
- PV Mounting System Mechanical Design with PE Certification (via Schletter)
- Complete hardware package including PV modules, Mounting System, Inverter, Disconnect Switches, Cables, Grounding Hardware, Lightning Arrestors, and more
- System Financing Options

Our goal is to be a premier distributor of Solar PV Hardware and Solutions. We will provide pre-sales technical assistance as needed, and provide a complete package of hardware to a qualified system installer for implementation. While renewable energy is an emerging technology, rest assured that McNaughton-McKay will be here today and tomorrow as we have been for the last 100 years. Contact McNaughton-McKay to learn how Solar PV can work for you. [Read More](#)



Energy Efficient Legislation

In December of 2007, the U.S. Congress approved the Energy Independence & Security Act which was a ground breaking piece of legislation that marked a seismic shift in American's energy policy. The new law put innovation, efficiency and entrepreneurship at the top of America's 21st Century energy agenda. Key features of the law include increased vehicle fuel efficiency, a boost in home-grown biofuels, economy wide efficiency solutions, greenhouse gas reductions, and green collar jobs for American's working families. Together these measures will save American consumers \$400 billion, create new jobs, and cut global warming pollution. The Energy Independence & Security Act represents a plan to move American forward, toward a more affordable, sustainable and secure energy future. This law was the catalyst to new innovations in manufacturing and expanded tax incentives. For more information about this legislation as well as local utility, state and federal tax incentives, visit McNaughton-McKay's Green Products Web Section: www.mc-mc.com.



Introducing McNaughton-McKay's Green Products Web Section

We are pleased to announce the launch of our new Green Products Web Section. This new area of the website is a result of the growing need for companies to be more energy efficient. The goal of the green section is to provide customers with a virtual experience that is both educational and also highlights how McNaughton-McKay can assist you in all your energy product needs. Of course, the digital world can never match the experience of working with knowledgeable and experienced specialists. Instead, the green section was designed to introduce green products and complement McNaughton-McKay's qualified staff of professionals. [Click Here To Visit The New Green Products Web Section.](#)

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Ohio ♦ S. Carolina ♦ Germany



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*Not all products are stocked in every location