

SMART WORDS *for* SMART HOMEOWNERS

Welcome to the experience of experts and their advice on relevant homeowner topics.

A Quarterly Information eLetter

Going Green

You Can Go Green Fast, Easily And Simply

The whole idea is simple; use free energy whenever and wherever possible and practical. We have the knowledge and experience to help you choose and then install a variety of easy to adopt green products. Here are a few ideas to light, cool, shade and beautify your home.

There are easy ways for you to make an investment in the future; yours and the planets. Look below to see an interesting range of green product ideas. If you don't see something that strikes your fancy call us and we'll help with the research. Then when you've decided to move ahead we'll complete the installation for you.



Sun Dome

What Is A Sun-Dome?

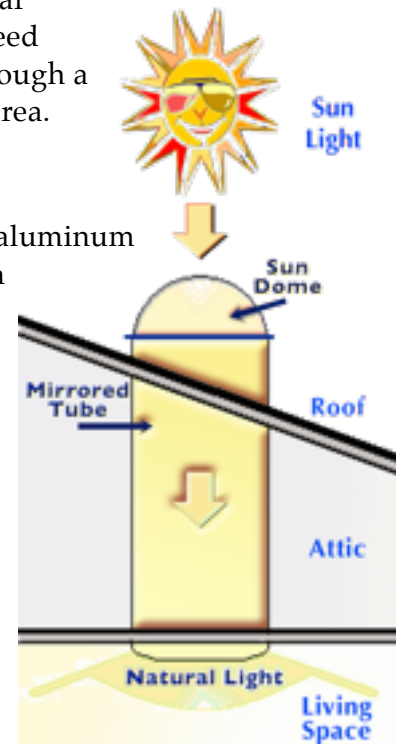
It's a way to get free sun light into a room, closet or stairway. After a small investment you'll enjoy decades of free light without heat entry or heat loss. It's a small tubular "skylight" with a dome on your roof and a diffuser at the place you need light. Natural free daylight enters the small roof dome and passes through a highly polished, mirrored finished, tubular pathway to your interior area. Tubular Skylights: A Small Green Idea whose time has come.

How Sun-Dome Works For You

A clear, unbreakable polycarbonate dome mounted on a storm-tested aluminum flashing on the roof directs sunlight down into the area below through a high-performance reflective transfer tube. This mirrored tube connects to a domed translucent diffuser in the living space that distributes natural light evenly throughout the area without heat gain or heat loss. There is no florescent flicker effect, no kilowatts are used and no noise is made. You enjoy pleasant natural light. Call me for more details at 973-627-7398.

US Department Of Energy

Energy Efficient Lighting: "Day-lighting means using daylight for indoor lighting. Modern buildings designed for day-lighting typically use 40% to 60% less electricity for lighting needs than do conventional buildings. "



Now You Have The Best Choice

Sun-Dome Tubular Skylights brighten interiors with free, renewable energy from natural sunlight without the heat gain of ordinary skylights. You can harvest daylight 365 days a year. They cut power consumption and reduce A/C heat load and run time by several hundred kilowatts per month! Save our natural resources and become self-sufficient by reducing energy consumption. Sun-Dome Tubular Skylights are also a natural choice for commercial and retail day lighting.



Sun Dome

Brightens any area	Are Energy Efficient
Provide Natural Sun Lighting to most rooms	There is No heat loss to effect heater load
Are Expertly installed	Fits between rafters and joists
Cost? Just a fraction of ordinary skylights	Offer a 10 year dome warranty
Use aluminum flashing that won't rust or leak	Flashings can be painted any color
No structural modifications necessary	Adjustable aluminum tubes bypass most obstacles
No heat entry to effect A/C load	Are Available in 3 diameter sizes
Natural light helps plants flourish	Are Virtually unbreakable (dome withstands hail & hurricanes)
Reduce overhead costs	Go Green effortlessly
Get natural light inside for free	Reduce energy consumption
Reduce Air Conditioning run time	Reduce A/C heat compressor load and noise
Help to Reduce pollution	Remember that all skylights are not created equal

Solar Attic Venting Fans

Heat and moisture are your home and attic's worst enemy. Get rid of both FREE! High attic heat is a drain on your heating and cooling systems and increase the costs to keep your home comfortable. Moisture can cause rot and mold to form in places that you can't see but may be able to smell. Now you can reduce or eliminate these problems with no operating costs.

How It Works:

The Solar Attic Venting Fan sits on your roof. The solar panel absorbs daylight, converts it to energy and with that energy turns a fan. As the fan turns it extracts heat and humidity from inside your attic. The more sun, the more heat in the attic, the more the fan turns....free!



During Hot Summer Months –

The temperature in your attic can exceed 160°. Small, passive roof vents are often woefully inadequate at dissipating this heat at an adequate rate. The attic acts like a giant radiator, passing excess heat back into your living spaces and driving temperatures and cooling costs through the roof. Removing attic heat makes good sense especially at no added operational cost. Ask me for more details at 973-627-7398.

During Cold Winter Months –

The heat trapped in your attic can melt the snow that accumulates on your roof. As the water trickles down, it refreezes at the cooler eaves, leading to destructive and costly ice damming.

And All Year Long –

Trapped moisture wreaks its own brand of havoc. Everyday activities such as showering and cooking produce water vapor that migrates into the attic spaces. This moisture promotes the growth of mold and mildew and, if it often saturates your insulation, can lead to fungal decay and destruction of your roof frame and sheathing. Removing attic moisture makes good sense.

There are many types of solar attic fans. For those of you lucky enough to reside in Morris County, NJ please call us to discuss a proper fit for your application and your house. Phone 973-627-7398.

Stylish Shadings, Canopies & Patio Blinds

Here we are in this modern age, enjoying all the advances of the 21st Century, and the old concepts - the one you see the cows in a field adopting - still work. Awnings, shade screens and canopies reduce temperature. Shade adds to comfort in summer. Why not employ this simple (and stylish) concept to make certain parts of your home cooler during the hot summer months. Awnings, shade screens and canopies reduce glare. Awnings, shade screens and canopies can take some burden off your cooling system, add to your comfort and make you feel cooler. Awnings, shade screens and canopies are easy to maintain.



They come in many styles, most colors, sizes to fit most applications including offices and gyms. They come in all price ranges. Did I mention that they'll save you money and help the environment? Some awnings retract, some have remote controls and some have rain and wind controls to bring them up when high wind or rain is present.

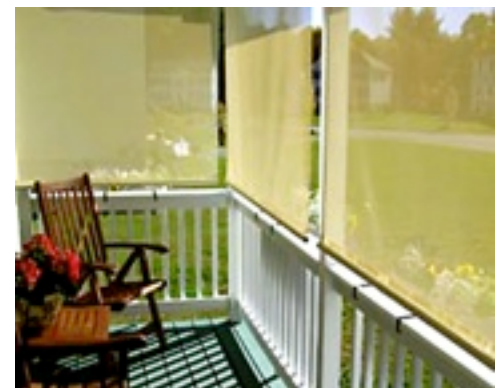
Easy Energy Savings

Outdoor blinds, canopies and awnings reduce solar heat gain by as much as 65% on south facing windows and up to 77% on west facing windows. Interior heat gain can be significantly reduced just by blocking the sun's rays. High quality awnings and canopies block heat better than some double pane glass and protect carpets, drapes and furniture from fading, protecting your investments while preserving the beauty of your home or office.



Awnings are one of the best ways you can add functionality, beauty and value to your home. Well designed awnings look good and improve your quality of life. The addition of awnings to your home is money well spent.

There are all types of awnings, including awnings for both your doors and your windows. But all awnings provide shade from the sun in summer. This is one of the major advantages of adding awnings to your home. By reducing the effect of the sun on your glass areas you dramatically reduce the amount of heat that builds up inside your home. This in turn makes your home more comfortable and reduces your air conditioning bill. Or even avoids the need for air conditioning.



But there are lots of choices to make if you are thinking of adding awnings to your home. What type of awnings? What material? Where will you put them? Should you go for manual or retractable awnings?

Patio awnings can almost add another room to your house and are an effective way of adding comfortable outdoor living space to your home. And awnings aren't just restricted to your home. You can even get commercial and even RV awnings, and all the advantages of awnings for your home are there with other applications as well. Call us for other energy efficient ideas.

Compact Fluorescent Light Bulbs

This is very important Going' Green product. Think about this for a moment: if every home in the USA replaced just one light bulb with an qualified Compact Fluorescent Bulb, we would save enough energy to light more than 3 million homes for a year. That's over \$600 million in energy costs yearly. It is equivalent to eliminating emissions of more than 800,000 cars. Not bad for a few turns of the wrist.



Here are some amazing factoids about Compact Fluorescent Bulbs (CFLs):

- They use about 75 percent less energy than standard incandescent bulbs
- They last up to 10 times longer.
- They save about \$30 or more in electricity costs over each bulb's very long lifetime.
- They produce about 75 percent less heat, so they're safer to operate and can cut your power bill.
- They deliver the same light output at lower costs.
- It's a no-brainer.
- They are available in a few different sizes and shapes to fit in almost any fixture, for indoors and outdoors.

How To Choose The Right CFL Light Bulb

CFLs perform best in open fixtures that allow airflow, such as table and floor lamps, wall sconces, pendants, and outdoor fixtures. For recessed fixtures, it is better to use a reflector CFL than a spiral CFL since the design of the reflector evenly distributes the light down to your task area.

If a light fixture is connected to a dimmer or three-way switch, you'll need to use a special ENERGY STAR qualified CFL designed to work in these applications. Make sure to look for CFLs that specify use with dimmers or three-way fixtures. Choose a qualified CFL that offers a shade of white light that works best for you. For example, while most CFLs provide warm or soft white light for your home, you might choose a cooler color for task lighting.



You should also check the lumen rating to find the right CFL. The higher the lumen rating, the greater the light output.

Solar Deck Lights & Lighted Post Caps

You can get green and add beauty to your deck. Here are examples of what's available in elegant brass, bronze, thick aluminum and hammered copper. Not Wood! Not Vinyl! So they look great and won't ever rot!

These solar post caps feature a set of Yellow LEDs which give a soft, warm glow rather than the harsh blue light from other solar lights.

This solar lighting is ideal for decks, dock markers, long path lighting, and even high fence post caps.



