To: Flynn, Mike[Flynn.Mike@epa.gov]
From: Solar Electric Worldwide
Sent: Thur 6/15/2017 7:59:01 PM
Subject: [SPAM] Choose From 11 Solar Panels at 28¢/Watt

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Latest News From the Sun:

Trina Solar 275 Watts (Poly):

Solar Panels For Sale:

Grade A REC Solar 315 W - $0.28/W
Suniva 265-C01-SW 265 W- $0.28/W

Suniva 270-C01-BB 270 W - $0.28/W
Suniva 275-C01-BB 275 W - $0.28/W
60 Cell Silfab ZNS260M3G 260 W - $0.28/W
Grade A Silfab SLA250P3AT5 250 W - $0.28/W
60 Cell Silfab ZSSLA260P3A 260 W - $0.28/W
60 Cell Silfab ZNSLA160M3A 160 W - $0.28/W
60 Cell Silfab ZNSLA240P3AM5 240 W - $0.28/W
60 Cell Silfab ZNSLA255P3A 255 W - $0.28/W
60 Cell Silfab ZNSLA280M3AM5 280 W - $0.28/W
Grade A Suniva OPT275-B40B3A01 275 W - $0.78/W
Grade A Suniva OPT280-S40W3A02 280 W - $0.78/W
Suniva OPT335-S38W3B02 335 W - $0.58/W

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SS-310 310 W
SS-315 315 W
SS-320 320 W

Solar News from PV Magazine:

Sunnova snags $1 billion investment in first three months of 2017

Sunnova Energy announced today it has raised another $140 million from CIT Group and other investors to fund solar projects, bringing the total raised in the last three months to nearly $1 billion.

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Deloitte says millennials are driving solar expansion

According to Deloitte's annual “Resources

2017 Study – Energy Management: Sustainability & Progress," grid parity, driven by technological advances and plunging prices, has allowed consumers and businesses to choose clean energy over more traditional fossil-fuel options, with increasing solar use being most consumers' top priority Read More

$0.88/W

SS-10 Sonali Solar 10 Watts
SS-20 Sonali Solar 20 Watts
SS-50 Sonali Solar 50 Watts
SS-80 Sonali Solar 80 Watts
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SS-130 Sonali Solar 130 Watts
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This is boring and won't turn you on:

–

The Untapped Potential of Energy Efficiency

The safest and the cleanest power plant is the one you don't have to build.
What is the world's single most important fuel? (Hint: it is also the energy resource that all countries have in abundance.) The answer to this riddle is energy efficiency, which is sometimes referred to as the “hidden fuel.” That is the powerful message of the Energy Efficiency Market Report 2016, published by the International Energy Agency.

A strong energy efficiency policy is vital to achieving the central policy goals of improving energy security and reducing CO2 emissions as well as air pollution in the most cost-effective way.

More and more countries are discovering that the safest and the cleanest power plant is the one you don't have to build thanks to higher energy efficiency.
Related Research on ASDReports.com:

Global Module Level Power Electronics (MLPE) Market, Forecast to 2021
Whereas energy policy has traditionally been dominated by a supply-side bias (i.e.: how do we produce more oil, gas, electricity?), policy makers increasingly understand that we need to focus much more on the demand side of the equation (i.e.: how do we consume less energy?)

Over the last 15 years, for example, vehicle use has increased substantially because of

economic and population growth. Had efficiency levels not improved, energy demand in IEA countries would have been 12% higher in 2015 than it actually was. In China, the annual savings from higher energy efficiency now equal its renewable supply.

One reason demand-side policy is so underrated is because energy efficiency is not very sexy. It lacks wonderful ribbon-cutting photo-ops for politicians, and it often can mean higher upfront costs that may put off consumers, even if that leads to long-term savings. And yet the important efficiency gains that we have experienced in the last decades have been driven by stronger policies.

Today, a third of the world's energy consumption is covered by mandatory standards and regulations, compared with just 11% in 2000. Significant progress has been made in the areas of lighting, cars, and space heating, and to a lesser extent,appliances. But there still remains a big potential for improvement since 70% of global energy consumption is not subject to mandatory efficiency standards.
Trucks and electric motors are two key areas where a lot more can be done. Electric motor systems account for more than half of today's electricity consumption in a range of end-use applications, such as fans, compressors, pumps, vehicles, and refrigerators. In space cooling, 58% of energy consumption has no minimum efficiency standards. Applying average stringency standards would reduce energy needs by 30%.

Mandatory standards are a critical policy instrument to maintain the long-term drive to improve energy efficiency, particularly at a time of lower energy prices that generally dampen the enthusiasm for chasing energy savings. In terms of countries and regions, China and the United States are global leaders, followed by Japan and the European Union.

India, Brazil and Middle Eastern countries have made significant progress since 2000, but are still lagging. The share of Middle Eastern energy consumption covered by mandatory efficiency standards is 15% in 2015, just half the global average. For Middle Eastern oil and gas producing countries, improving energy efficiency would also help expanding their export potential since it would reduce domestic consumption.

Source : International Energy Agency

Not very funny or sexy but interesting, philosophical in a way, I believe. As far as we've come in PV we're forgetting more than ever more about energy conservation and efficiency.

Solar's just too hot right now.

With progress comes waste, I guess. Have you noticed how fast our kitchen trash cans fill up every day. And, all the, non-degradable for hundreds of years, plastic and glass, and oh my God (OMG) the massive amount of perfectly good food and excess crap we buy and bring home from stores only to realize we don't have enough room to store it in. - John Kimball

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