north american WINDPOWER

siterra On Demand plan, build, manage, and grow your renewable energy operations Learn more

"Covering the world's ***fastest growing*** **energy** source in the world's ***most promising*** geographic market."

Home
Wind Jobs
Forums
Resource Directory
News Departments
New & Noteworthy
Projects & Contracts
Policy Watch
Products & Tech.
FYI
People
RFP
Search
E-Feature Archive
Editorial Calendar
Industry Events
Training Resources

Sign-up for the free news headlines newsletter
your@email.com
Go

OCEAN WIND POWER MAPS REVEAL POSSIBLE WIND ENERGY SOURCES

IN NEWS DEPARTMENTS > NEW & NOTEWORTHY
BY NAW STAFF ON THURSDAY 10 JULY 2008

Research revealing **ocean** areas where winds could produce **wind** **energy** has been published in Geophysical Research Letters, funded by NASA's Earth Science Division, which works to advance the frontiers of scientific discovery about Earth, its climate and its future.

Scientists have been creating **maps** using nearly a decade of data from NASA's QuickSCAT satellite.

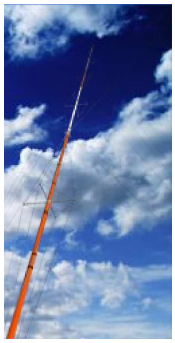
QuikSCAT, launched in 1999, tracks the speed, direction and **power** of winds near the **ocean** surface. Data from QuikSCAT, collected continuously by a specialized microwave radar instrument named SeaWinds, also are used to predict storms and enhance the accuracy of weather forecasts.

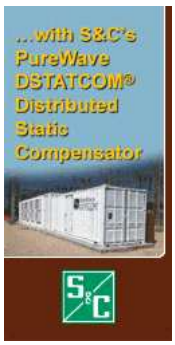
Wind **energy** has the potential to provide 10% to 15% of future world **energy** requirements, according to Paul Dimotakis, chief technologist at NASA's Jet Propulsion Laboratory (JPL). If **ocean** areas with high winds were tapped for **wind** **energy**, they could potentially generate 500 W to 800 W of **energy** per square meter, according to Liu's research. Dimotakis notes that while this is slightly less than solar **energy** (which generates about 1 kW of **energy** per square meter), **wind** **power** can be converted to electricity more efficiently than solar **energy** and at a lower cost per watt of electricity produced.

SOURCE: NASA

****

Don't miss the latest wind energy news -- **register to receive NAW's news headlines**.





ABOUT US | **CONTACT US** | **RSS** | **SITE MAP**

Copyright © 2000-2008 Zackin Publications Inc. All rights reserved.

Solar Industry north american WINDPOWER Alternative Energy RETAILER