

## **INDEX (ECO) SECTOR & STOCK WEIGHTS FOR THE START OF Q1 2011. 57 STOCKS.**

Each stock freely floats according to its share price after rebalance.

\*Stocks below \$200 million in size at rebalance are banded with a 0.5% weight.

### **Renewable Energy Harvesting** - 24% sector weight (11 stocks @2.00% each; +4 banded stocks)

\**Ascent Solar*, ASTI. Solar, early-development stages for thin film CIGS flexible PV.

*Broadwind Energy*, BWEN. Wind, holds firms across supply chain for wind energy.

*Canadian Solar*, CSIQ. Solar, vertically integrated solar PV manufacturer, China.

*China Ming Yang Wind*, MY. Wind, large turbine manufacturer is a pure play.

\**China Wind Systems*, CWS. Wind, makes large forged components in turbines.

*First Solar*, FSLR. Thin film, CdTe solar panels reducing silicon need and costs.

*JA Solar*, JASO. Solar, China-based sells PV modules in Asia, Europe, U.S., etc.

\**Ocean Power Technologies*, OPTT. Wave power, speculative very early-stages.

*Ormat*, ORA. Geothermal, is working too in areas of recovered heat energy.

*SunPower*, SPWR. Solar, makes efficient PV panels with all-rear-contact cells.

*SunTech Power*, STP. Solar, major producer of global PV is based in China.

*Trina Solar*, TSL. Solar, produces ingots, wafers, solar PV modules; China-based.

\**U.S. Geothermal*, HTM. Geothermal, site acquisition, PPAs, development-stage.

*Yingli Green Energy*, YGE. Solar, is a vertically integrated PV manufacturer.

*Zoltek*, ZOLT. Wind, makes carbon fiber for wind blades, product 'lightening'.

### **Power Delivery & Conservation** - 28% sector weight (13 stocks @2.11% each; +1 banded)

*Aixtron Aktiengesellschaft*, AIXG. Deposition tools, for efficient (O)LEDs, displays.

*Ameresco*, AMRC. Energy Savings Performance Contracts, also renewable energy.

*Applied Materials*, AMAT. PV & semi fabrication, LCD displays, crystalline solar.

\**Comverge*, COMV. Demand-side energy management, building smarter grids.

*Cree*, CREE. LEDs, manufacturer in power-saving lumens and efficient lighting.

*Echelon*, ELON. Networking, better management of whole energy systems.

*GT Solar*, SOLR. Solar, PV manufacturing lines with automated fabrication.

*Itron*, ITRI. Monitoring, advanced energy metering, measurement, management.

*MEMC*, WFR. Producer of polysilicon used in many crystalline solar PV cells.

*Quanta Services*, PWR. Infrastructure, modernizing grid and power transmission.

*ReneSola*, SOL. Wafers, for silicon PV, mono and multicrystalline, China-based.

*Rubicon*, RBCN. Maker of substrates used in production of LEDs for lighting.

*STR Holdings*, STRI. Encapsulants, broad technology for range of PV panels.

*Universal Display*, PANL. Organic light emitting diodes, OLED panel displays.

### **Energy Storage** - 18% sector weight (8 stocks @2.12% each; +2 banded stocks)

\**Active Power*, ACPW. Flywheels, uninterruptible power, conditioning; non-chemical.

*Advanced Battery*, ABAT. Batteries, China based maker of Li-ion for diverse uses.

*A123 Systems*, AONE. Batteries, nanophosphate for new EVs, grid, portable power.

\**China BAK*, CBAK. Batteries, large China based OEM manufacturer of Li-ion cells.

*Ener1*, HEV. Batteries, diverse in Li-ion power storage, nanotechnology; fuel cells.

*Energy Conversion*, ENER. Thin film, amorphous flexible PV panels; also batteries.

*Maxwell*, MXWL. Ultracapacitors, alternative supplement to batteries, hybrids, UPS.

*OM Group*, OMG. Cobalt and other precursors, producer for Li-Ion batteries, FCs.

*Polypore Intl.*, PPO. Separators, membranes used in Li-ion, Pb-acid battery cells.

*Sociedad de Chile*, SQM. Lithium, a major Li supplier for batteries; also STEG storage.

### **Energy Conversion** - 20% sector weight (10 stocks @1.90% each; +2 banded stocks)

*American Superconductor*, AMSC. Wind power converters; also superconductor HTS.  
*Amerigon*, ARGN. Thermoelectrics, in waste heat to power energy conversion.  
*\*Ballard Power*, BLDP. Mid-size fuel cell R&D, PEM FCs potential for transportation.  
*FuelCell Energy*, FCEL. Large fuel cells, stationary high-temp flex-fueled MCFCs.  
*Fuel Systems Solutions*, FSYS. Gaseous fuels, for ICEs as cleaner-fueled vehicles.  
*International Rectifier*, IRF. Energy-saving, in power conversion and conditioning.  
*Molycorp*, MCP. Rare Earths, strategic elements in NdFeB magnets, wind power etc.  
*Power-One*, PWER. Power conditioning, inverters & converters for renewables.  
*Rare Element Resources*, REE. Rare Earths, holdings of strategic lanthanides.  
*Satcon*, SATC. Inverters, DC/AC conversion for larger utility-scale renewables.  
*Tesla Motors*, TSLA. Electric vehicles, maker of EVs, advanced power systems.  
*\*UQM Technologies*, UQM. Motors, controller systems for EVs & hybrid vehicles.

**Cleaner Fuels** - 5% sector weight (3 stocks @1.66% each)

*Air Products & Chemicals*, APD. Hydrogen, is a supplier of industrial gases.  
*Amyris*, AMRS. Biotech, speculative R&D, drop-in renewable diesel and jet fuels.  
*Cosan*, CZZ. Biofuels, Brazil based uses sugarcane feedstock, an ethanol exporter.

**Greener Utilities** - 5% sector weight (3 stocks @1.66% each)

*Calpine*, CPN. Geothermal: a major North American producer; low-carbon assets.  
*CPFL Energia S.A*, CPL. Hydroelectric, Brazil Utility has large and smaller hydro.  
*Idacorp*, IDA. Hydroelectric, Utility with sizeable hydroelectric, some small hydro.