

## **INDEX (ECO) SECTOR & STOCK WEIGHTS FOR START OF Q4 2013. 51 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** - 25% sector weight (11 stocks @2.27 each)

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

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

*First Solar*, FSLR. Thin film, CdTe solar panels low-cost alternate to polysilicon.

*Gentherm*, THRM. Thermoelectrics, waste heat to energy harvesting for power.

*Hanwha SolarOne*, HSOL. Solar PV, integrated from poly through modules.

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

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

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

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

*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** - 21% sector weight (9 stocks @2.22% each; +2 \*banded)

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

*Ameresco*, AMRC. Energy saving performance contracts, also in renewables.

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

*EnerNoc*, ENOC. Demand response for better energy management, smart grid.

*GT Advanced*, GTAT. Solar, LEDS, production lines for poly & ingot; LED sapphire.

*Itron*, ITRI. Meters, Utility energy monitoring, precise measurement, management.

*PowerSecure*, POWR. Smart grid, demand response, distributed generation; LEDs.

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

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

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

*SunEdison*, SUNE. Producer of polysilicon used in crystalline c-Si solar PV cells.

### **Energy Conversion** - 19% sector weight (8 stocks @2.25% each; +2 \*banded stocks)

*Advanced Energy*, AEIS. Power conditioning: inverters, thin film deposition.

\**American Superconductor*, AMSC. Wind power converters; superconducting HTS.

\**Ballard Power*, BLPD. Mid-size fuel cells; R&D, PEM FCs such as for transportation.

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

*Enphase*, ENPH. Microinverters, PV panel DC becomes grid compliant AC.

*FuelCell Energy*, FCEL. Large fuel cells, stationary high-temp flex-fueled MFCs.

*International Rectifier*, IRF. Energy-saving, power conversion and conditioning.

*Molycorp*, MCP. Rare Earths, strategic elements in NdFeB magnets, wind power.

*Rubicon*, RBCN. Substrates, are used in the production of LEDs for lighting.

*Universal Display*, OLED. Organic light emitting diodes, very efficient displays.

### **Cleaner Fuels** - 10% sector weight (4 stocks @2.12% each; +3 \*banded stocks)

*Air Products & Chemicals*, APD. Hydrogen, is a supplier of industrial gases.

\**Amyris*, AMRS. Biotech, speculative R&D in renewable fuels for transportation.

*Cosan*, CZZ. Biofuels, Brazil-based uses sugarcane feedstock, ethanol exporter.

\**Gevo*, GEVO. Biotech, speculative R&D drop-in isobutanol, renewable biofuels.

\**Kior*, KIOR. Biofuels, catalytic process: cellulosic biomass/non-food feedstocks.

*Renewable Energy Group*, REGI. Biodiesel, natural fats, oils, greases to biofuels.

*Solazyme*, SZYM. Biofuels, microalgae grown w/o sun, drop-in diesel substitute.

**Energy Storage** - 14% sector weight (6 stocks @2.25% each; +1 \*banded stock)

*Fuel Systems Solutions*, FSYS. Gaseous fuels; systems for cleaner-burning vehicles.

*Maxwell*, MXWL. Ultracapacitors, alternative supplement for 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.

\**Rare Element Resources*, REE. Rare Earths, holdings for strategic lanthanides.

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

*Tesla Motors*, TSLA. Electric vehicles, pure-play in EVs and ESS energy storage.

**Greener Utilities** - 11% sector weight (5 stocks @2.20% each)

*Calpine*, CPN. Geothermal, major North American producer, low-carbon assets.

*CPFL Energia S.A.*, CPL. Hydroelectric, Brazil Utility has larger, smaller hydro.

*ITC Holdings*, ITC. Grid transmission, advanced integration for wind/renewables.

*Silver Spring Networks*, SSNI. Smart grid, two-way communications aids Utilities.

*SolarCity*, SCTY. Downstream, installs PV and leases rooftop DG energy systems.