

## **INDEX (ECO) SECTOR & STOCK WEIGHTS FOR START OF Q3 2017. 40 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** - 27% weight (9 stocks @2.94% each; plus 1 \*banded)

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

*Daqo New Energy*, DQ. Solar, polysilicon/wafer manufacturer; China-based.

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

*Hanwha Q Cells*, HQCL. Solar, integrated from poly through modules.

*Hexcel*, HXL. Light composites, in wind blades & spars, aerospace, vehicles.

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

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

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

*TPI Composites*, TPIC. Wind Blades; also light-weighting for transportation.

\**U.S. Geothermal*, HTM. Geothermal, operating & development-stage sites.

### **Power Delivery & Conservation** - 21% sector weight (7 stocks @2.92%; +1 \*banded)

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

\**American Superconductor*, AMSC. Wind, grid conditioning; superconductors.

*General Cable*, BGC. Power grid innovation, includes high-voltage offshore wind.

*Itron*, ITRI. Meters, utility energy monitoring, measurement & management.

*MYR Group*, MYRG. Transmission and Distribution, includes solar & wind farms.

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

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

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

### **Energy Conversion** - 21% sector weight (8 stocks @2.56% each; +1 \*banded)

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

*Ballard Power*, BLDP. Mid-size fuel cells; R&D, PEM FCs as in transportation.

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

\**FuelCell Energy*, FCEL. Large fuel cells, high-operating temps, multiple-fuels.

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

*LSI Industries*, LYTS. Lighting, LEDs, is vertically integrated U.S. manufacturer.

*Plug Power*, PLUG. Small fuel cells, for e.g. forklifts; drop in replacements.

*SolarEdge Technologies*, SEDG. Inverters: makes solar optimizers, inverters.

*Veeco*, VECO. Thin film equipment, for LEDs, energy efficient electronics.

### **Greener Utilities** - 14% sector weight (5 stocks @2.70% each; +1 \*banded stock)

*Atlantica Yield*, ABY. Yieldco, Contracted renewables assets, also transmission.

*Pattern Energy*, PEGI. Wind farms, solar may be added too for GW sized PPAs.

\**Sky Solar*, SKYS. Solar farms, creating & operating utility-scale projects.

*Sunrun*, RUN. Residential solar systems, lease, PPA or purchase rooftop PV.

*TerraForm Global*, GLBL. Owns operates renewable assets in emerging nations.

*TerraForm Power*, TERP. Owns operates solar/wind, developed nations, yieldco.

### **Energy Storage** - 11% sector weight (4 stocks @2.75% each)

*Aqua Metals*, AQMS. Recycling lead acid batteries, eliminating toxic wastes.

*Maxwell*, MXWL. Ultracapacitors, an alternative to batteries as in hybrids.

*Chemical & Mining Co. of Chile*, SQM. Lithium, energy storage, large producer.

*Tesla Motors*, TSLA. Electric vehicles, solar; purer-play in EVs & energy storage.

**Cleaner Fuels** - 6% sector weight (2 stocks @2.75% each; +1 \*banded stock)

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

\**Hydrogenics*, HYG. Hydrogen, fuel and electrolysis for fuel cells, H2 storage.

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