

## **INDEX (ECO) SECTOR & STOCK WEIGHTS FOR START OF Q4 2017. 38 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 - 31% weight (9 stocks @3.38% 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 - 20% sector weight (6 stocks @3.25%; +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.

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

### **Energy Conversion - 23% sector weight (7 stocks @3.14% each; +2 \*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 - 13% sector weight (4 stocks @3.12% 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 Power*, TERP. Owns operates solar/wind, developed nations, yieldco.

### **Energy Storage - 7% sector weight (2 stocks @3.00% each; + 2 banded stock)**

\**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, HYGs.* Hydrogen, fuel and electrolysis for fuel cells, H<sub>2</sub> storage.

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