INDEX (ECO) SECTOR & STOCK WEIGHTS FOR START OF Q4 2019. 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 0.50% weight.

<u>Renewable Energy Harvesting</u> - 20% weight (8 stocks @2.50% each)
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.
Hexcel, HXL. Light composites, in wind blades & spars, aerospace, vehicles.
JinkoSolar, JKS. Solar, wafers through solar modules, China-based OEM.
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>Energy Conversion</u> - 20% sector weight (8 stocks @2.50% each)
Advanced Energy, AEIS. Power conditioning: inverters, thin film deposition.
Ballard Power, BLDP. Mid-size fuel cells; R&D, PEM FCs as in transportation.
Bloom Energy, BE. Stationary fuel cells, not-yet cleanest/renewable fuels.
Cree, CREE. Power electronics, moved into power devices including for EVs.
ESCO Technologies, ESE. Power management, shielding, controls, testing.
Gentherm, THRM. Thermoelectric, waste heat energy, battery management.
Plug Power, PLUG. Small fuel cells, for e.g. forklifts; drop in replacements.
SolarEdge Technologies, SEDG. Inverters, makes solar optimizers, inverters.

<u>Power Delivery & Conservation</u> - 20% sector weight (7 stocks @2.78% plus one *banded)
Ameresco, AMRC. Energy saving performance contracts, also in renewables.
**American Superconductor,* AMSC. Wind, grid conditioning; superconductors.
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.
Veeco, VECO. Thin film equipment, for LEDs, energy efficient electronics.
Willdan, WLDN. Efficiency, distributed energy, renewables, engineering.

<u>Greener Utilities</u> – 15% sector weight (6 stocks @2.50% each)
Atlantica Yield, AY. Yieldco, Contracted renewables assets, also transmission.
Pattern Energy, PEGI. Wind farms, solar may be added too for GW sized PPAs.
Sunnova, NOVA. Solar provider, operating fleet for residential plus storage.
Sunrun, RUN. Residential solar systems, lease, PPA or purchase rooftop PV.
TerraForm Power, TERP. Owns and operates solar/wind, a yieldco.
Vivint Solar, VSLR. Solar, residential plus storage, long-term contracts.

<u>Energy Storage</u> - 20% sector weight (8 stocks @2.50% each)
Albermarle, ALB. Lithium, specialty materials in batteries; for energy storage.
Chemical & Mining Co. of Chile, SQM. Lithium, energy storage, large producer.
Enphase, ENPH. Microinverters, also energy storage systems and software.
Livent, LTHM. Lithium, and compounds for batteries in energy storage.
NIO Inc, NIO. Electric vehicles, China-based startup, other accessories.
Tesla Motors, TSLA. Electric vehicles, solar; pure-play EVs & energy storage.
Woodward, WWD. Converters, controls for wind power and energy storage.

Workhorse, WKHS. Electric Vehicles, electric delivery trucks early-stage.

<u>Cleaner Fuels</u> – 5% sector weight (2 stocks @2.50% each)
Air Products & Chemicals, APD. Hydrogen, is a supplier of industrial gases.
Renewable Energy Group, REGI. Biodiesel, natural fats, oils, grease to biofuels.