## <u>Sectors & Stock Weightings: WilderHill Progressive Energy Index (WHPRO)</u> for start of Q3 2017. 43 stocks.

Each stock freely moves according to its share price after the rebalance; \*Banded stocks are those under \$400 million in size and weighted at 0.5%.

Alternative Fuel - 24% Sector Weight (8 stocks @2.87% each +2 \*banded)

Andersons, ANDE. Ethanol producer, corn-based; rail group is in fuel transport.

Chesapeake Energy, CHK. Natural gas, one of larger U.S. independent producers.

\*Clean Energy Fuels, CLNE. Natural gas fuel integration; for use in fleet vehicles.

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

Green Plains Energy, GPRE. Biofuel, ethanol; using U.S. domestic feedstock.

Methanex, MEOH. Methanol, liquid fuel may be derived from fossil fuels or organics.

\*Pacific Ethanol, PEIX. Biofuels, major U.S. producer of lower-carbon fuels.

Range Resources, RRC. Natural gas, produces in Appalachian & Gulf Coast regions.

Rex American, REX. Biofuels, with subsidiaries is a major U.S. ethanol producer.

Southwestern Energy, SWN. Natural gas, U.S. producer, also midstream services.

## Conversion & Storage - 24% Sector weight (9 stocks @2.66% each)

Albermarle, ALB. Lithium & Lithium Compounds; for energy storage, transportation.

Altra Holdings, AIMC. Mechanical power transmission, electromechanical conversion.

Chart Industries, GTLS. Natural gas, LNG; liquefied gas storage/transport, efficiency.

Covanta Holding, CVA. Incineration, converts waste to energy (WtE); conglomerate.

EnerSys, ENS. Battery maker, for telecommunications, utilities, motive power.

FMC, FMC. Lithium producer for carbonate, metal, expanding hydroxide capacity.

Golar LNG, GLNG. LNG, major independent carrier, gas transport, regasification.

MasTec, MTZ. Engineering & construction, distribution of electricity, natural gas.

Wabco, WBC. Mechatronics, better vehicle mechanical/energy/braking controllers.

## Better Efficiency - 18% Sector Weight (7 stocks @2.57% each)

Acuity Brands, AYI. LED lights, OLEDs, and controls for indoor & outdoor lighting.

A.O. Smith, AOS. Energy efficiency, innovations for water heating & monitoring.

Apogee, APOG. Advanced glass, for better efficiency, green building designs.

Emerson Electric, EMR. Broad work in energy efficiency, storage, lately biofuels.

Esco Technologies, ESE. Power grid, advances 2-way metering & communications.

Regal Beloit, RBC. Energy efficient motors, in commercial, industrial, homes etc.

Woodward, WWD. Energy controllers, optimization, industrial turbines in generation.

Emission Reduction - 12% Sector Weight (4 stocks @2.62% each +3 \*banded)

\*CECO Environmental, CECE. End-of-pipe emissions controls and pollution reduction.

Corning, GLW. Diverse, activity includes emissions reduction, filters, and catalysts.

\*Kandi Technologies, KNDI. Developing small gasoline and urban electric vehicles.

\*Luxfer Holdings PLC, LXFR. Advanced material, reduced emissions, gaseous storage.

McDermott, MDR. Natural Gas; fewer emissions/CO2 vs. coal; EPCI in LNG facilities.

Tata Motors, TTM. Smaller & 'nano' vehicles, India-based with worldwide sales.

Tenneco, TEN. Automotive end-of-pipe emissions controls, catalytic converters.

New Energy Activity - 9% Sector weight (3 stocks @2.66% each +2 \*banded stocks). Eaton, ETN. Hybrids, better electric and fluid power in truck & auto applications. \*Hudson, HDSN. Refrigerant HFCs reclamation; reduces potent greenhouse gases. \*Heritage Crystal Clean, HCCI. Oil re-refining, modern waste reuse and recycling.

Lydall, LDL. Thermal and filtration separation; innovative energy efficiency. Owens Corning, OC. Materials lightening, building insulation composite materials.

## Utility - 13% Sector weight (5 stocks @2.60% each)

Avangrid, AGR. Electricity & Natural Gas, generation, storage, distribution. Calpine, CPN. Natural Gas & Geothermal, North America, lower-carbon assets Companhia Energetica de Minas Cemig, CIG. Brazil Utility, large hydroelectric. Hannon Armstrong, HASI. Energy efficiency, capital & finance for infrastructure. NRG Yield, NYLD. Contracted power generation and thermal, also some renewables.