# Sectors & Stock Weightings: WilderHill Progressive Energy Index (WHPRO) for start of Q4 2018. 40 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 - 26% Sector Weight (9 stocks @2.88% each)

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. 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 - 23% Sector weight (9 stocks @2.55% each)

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. Freeport-McMoRan, FCX. Lithium producer; copper; also battery-grade cobalt JV. 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 - 13% Sector Weight (5 stocks @2.40% each +2 \*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. New electric vehicles, mobility business line, India-based.

New Energy Activity - 10% Sector weight (4 stocks @2.50% each).

Eaton, ETN. Hybrids, better electric and fluid power in truck & auto applications. 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.

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

# <u>Utility - 10% Sector weight (4 stocks @2.50% each)</u>

Avangrid, AGR. Electricity & Natural Gas, generation, storage, distribution.

Companhia Energetica de Minas Cemig, CIG. Brazil Utility, large hydroelectric.

Hannon Armstrong, HASI. Energy efficiency, capital & finance for infrastructure.

Clearway Energy, CWEN. Contracted power generation, renewables & conventional.