

Turning Trash to Cash: Opportunities In The Plastics Recycling Sector

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The enormous amount of waste produced by contemporary society poses a number of environmental risks and highlights the urgent need for waste recycling. Waste-to-energy technologies can help achieve the transition to a sustainable energy ecosystem as they create a path to lowering greenhouse gas emissions, and are in fact the only method for sustainable treatment of end-of-life waste.

Plastic waste has a particularly high need for advanced recycling techniques, and the companies that can develop methods of reusing discarded plastic waste not only contribute to creating a circular economy, but also have the potential to benefit from surging demand for such services. This market is expected to grow from its current level of USD 30 billion to USD 44 billion by 2026.

Here are four stocks in the waste-to-energy and waste recycling space for investors to make note of:

Clean Vision Corp. (OTC:CLNV), a clean energy company, which through its Clean Seas subsidiary has created a network of plastic-to-energy conversion facilities that together can recycle plastic at a scale that far surpasses that of any competitors.

With the goal of keeping conversion facilities as close to the waste locations as possible, the company has created a network that includes locations in the US, a pilot program in India, Puerto Rico, EU countries, and in Morocco, the company owns two pyrolysis conversion units that collect mixed waste plastics sourced locally and from the European Union, and converts them into environmentally sustainable fuels.

On March 21, the company's subsidiary Clean-Seas signed a definitive agreement with MacVallee LLC to supply up to 50 tons per day of post-industrial waste plastic feedstock to launch its project in Massachusetts, as well as 100 tons per day for another eastern US facility to be announced. The companies have also agreed to form a joint venture to set up a facility in Central Massachusetts that will divert post-industrial and ocean-bound plastic from landfills and incineration and convert it into materials for the production of new plastics, ultra-low sulfur fuels and pyrolysis oils, and Clean-Seas' branded hydrogen, AquaH.

According to John Yonce, Vice President of Business Development at Clean-Seas, "The plastics crisis is almost unimaginably huge. Diverting large quantities of otherwise

nonrecyclable waste plastic from landfills, and converting it to valuable products at our facilities, will be an important part of answering that crisis at an equal scale."

Clean Vision Corp. is a promising investment opportunity for investors seeking to benefit from exposure to the growing demand for waste recycling technologies.

Pyrogenesis (NASDAQ: PYR), a shipboard waste processing technology in the market, has developed the Plasma Arc Waste Destruction System (PAWDS), a high-temperature, plasma-based waste treatment system. With one-button rapid start-up and shutdown capabilities, PAWDS is capable of destroying combustible wastes such as paper, plastics, food, and oily rags with minimal segregation.

- PAWDS has received from Lloyds Register MED Type Approval for the processing of solid waste and sludge oil. Bags of waste are fed to a shredder, followed by a mill, transforming the feedstock into powder, or lint-like materials, which are fed into a patented plasma-fired chamber that completely obliterates the waste. The byproduct gases are quenched to prevent dioxin and furan formation, cleaned and exhausted to the atmosphere.
- The company has developed its proprietary plasma waste-to-energy solution that transforms waste to syngas, a gaseous fuel which can then be used to make electricity, heat or liquid fuels, all to the end-users exacting requirements.
- On Jan. 10, the company signed an agreement to provide its SPARC refrigerant waste destruction system to an advanced materials company. The SPARC system substantially reduces an operator's carbon footprint while simultaneously eliminating ozone-depleting substances.

Montrose Environmental Group (NYSE:MEG) offers various environmental services to a diverse client base, primarily in the U.S. The company has expertise in a wide variety of areas, including environmental assessment and permitting, measurement and analysis, and remediation and reuse.

Its remediation and reuse segment provides clients with engineering, design, implementation, operations and maintenance services, to treat contaminated water, remove contaminants from soil or create biogas from food or agricultural waste. The company's technology is actively used in the US to generate renewable natural gas from agricultural waste.

PureCycle Technologies (NASDAQ:PCT) produces recycled polypropylene and holds a license for restoring waste polypropylene into ultra-pure recycled resin. Its recycling

process separates contaminants from plastic waste feedstock to turn it into virgin-like resin.

- On March 7 the company reached an agreement with **iSustain Recycling** to source and divert up to ten million pounds of polypropylene plastic waste from landfills and waterways. The companies will work together to target post-use polypropylene and packaging materials that are not typically recycled.

Economic expansion, along with rising industries and urbanization have created a strong need for sustainable waste recycling. Investors should be on the lookout for stocks that can benefit from this trend and develop technologies that harness sustainable waste recycling technologies.

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Tags

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- PURECYCLE TECHNOLOGIES (NASDAQ:PCT)
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