

Supermarket Biomass Energy Potential

Every grocery store produces an ample amount of waste which could be converted to renewable energy, thereby lowering its electricity and waste disposal costs.

Such development would also, necessarily, improve the environment and public health and this value compounded by the value of such marketing.

It is also a reasonable expectation such development would increase employee morale and therefore reduce turnover—especially if increased profits were in part used to increase wages or otherwise create new jobs.

Here are some facts about biomass energy potential for grocery stores:

- In 2022, retailers generated 4.99 million tons of surplus food and more than half of it was caused by concerns over freshness date labels. 31.3% was produce. 14.1% was dairy and eggs. 13.6% was fresh meat and seafood. (ReFed.com)
- In 2016, biogas technology was able to receive six liters of food waste and with each kilogram produce 200 liters of biogas—enough to cook with for an hour. (HomeBiogas.com)
- It is a certain probability a supermarket could produce enough electricity to power much if not all their lighting and refrigeration, with biogas.
- Further research proves much food that is not disposed of is sold as a tax write off to be rendered into pet food or to feed pigs, etc. If the same subsidy were offered by the government to turn this waste and reclaimed food into biogas, the profit of doing so would be greater than a tax writeoff.

What is needed for supermarkets is a robust feasibility study on biogas potential, accounting for all organic material that could be capitalized on.

What is needed for the grocery industry is successful political lobbying to convince the government to allow for a tax writeoff for biogas.

Verdantronix LLC is able to meet these needs..

It would partner with companies already in the biogas industry and have its findings peer reviewed by outstanding academics, engineers. It would also assist the government in this regard as a public benefit company.

All that is needed to make this happen, is for supermarket executives to contract with Verdantronix to produce the studies to then solicit legislature with.