

# **Waste To Energy Program**

## **for used Flavia and Keurig filterpacks**

**Waste To Energy (W2E)** is a process that takes solid waste (Used Flavia and Keurig packs) and transfers it into combustion chambers where it is reduced to 10% of its original volume in the process. The heat generated from the combustion chambers heats up water in steel tubes that form the walls of the combustion chambers. The water is turned to steam and sent through a turbine that continuously generates electricity.

Over the past 25 years, the W2E industry has developed state-of-the-art technology that makes W2E one of the cleanest forms of energy generation. The Energy Policy Act of 2005, Department of Energy and 23 states have classified W2E as a renewable technology, and the Department of Energy states that turning garbage into energy makes “important contributions to the overall effort to achieve increased renewable energy use and the many associated positive environmental benefits.” The advanced technology in combusting waste is the air quality (emission) control system. Waste To Energy facilities meet or exceed the strictest federal standards set by the U.S. Environmental Protection Agency (EPA) and employ a multi-step process to achieve superior environmental performance.

### **Why choose Waste To Energy?**

**Clean power:** The US EPA has stated that W2E plants are a “clean, reliable, renewable source of energy” that “produces electricity with less environmental impact than almost any other source of electricity.”

**Less dependence on imported fuels:** For every ton of waste processed in a W2E facility, we avoid the need to import 1 barrel of oil or mine one quarter ton of coal.

**Net Greenhouse Gas (GHG) Reduction:** For every ton of waste processed in a W2E facility, almost one ton of GHG is avoided.

**A safe and effective solution for managing waste generation:** Less reliance on landfills and long distance shipping of trash across state lines preserves valuable land and resource with minimal disturbance to surrounding neighborhoods.

## **Program Guidelines**

V&F Coffee Inc. will pick-up used filterpacks from current customers and deliver them to an W2E plant to be turned into electricity. For this service there is an additional cost of 1¢ per filterpack for either Flavia or Keurig products.

### **V&F Coffee's Responsibilities**

- Provide (1) 28 quart wastebasket per brewer free of charge for collection of used filterpacks. Additional or larger wastebaskets can be provided for an additional charge.
- Pick up bagged filterpacks from customer in conjunction with regular deliveries.
- Deliver used filterpacks to the Covanta Fairfax W2E facility for disposal. Documentation will be furnished upon request.

### **Customers Responsibilities**

- Collect and bag all used filterpacks for collection at single location.
- Line collection wastebins with trash bags.
- Request V&F driver to pick-up used filterpacks during regular delivery.
- Ensure only used filterpacks are in the bags for collection. Food and other general pantry waste can cause problems. If any other waste is in the bags to be picked-up they cannot be accepted for the W2E program.



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