STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS BEFORE THE PUBLIC UTILITIES COMMISSION

IN RE:	REVIEW OF POWER PURCHASE)
	AGREEMENT WITH ORBIT ENERGY)	DOCKET NO. 4265
	RHODE ISLAND, LLC PURSUANT TO)
	R.I.G.L § 39-26.1 <u>ET SEQ.</u>)

<u>DIVISION'S SECOND SET OF DATA REQUESTS DIRECTED TO</u> ORBIT ENERGY RHODE ISLAND, LLC

- Div 2-1 What is the feedstock for the anaerobic digester? What has been done to secure this feedstock? Does Orbit have a contract for the feedstock necessary to run the anaerobic digester?
 - A. Our feedstock will include food wastes from grocery stores, restaurants, institutional cafeterias, and food processing industries. We may also have some quantities of paper/cardboard products mixed in as well wastes. Orbit Eneray works **Environmental Products and Services of Vermont (EPS)** for the supply of feedstock for its Clinton, NC plant where Orbit processes food waste from nearby Wal-Mart stores. Orbit and EPS have agreed to work closely on supply of the entire 120 tons per day of the feedstock needed for the Johnston plant. We expect to have an agreement with EPS in place in the next few weeks. In addition, Orbit has been approached by other feedstock haulers for this project and may also make direct agreements with food waste generators.
- Div 2-2 Has the HSAD technology been used in installations of the size proposed by Orbit or other companies? Please give the size and location of those installations.
 - A. Anaerobic digestion (AD) is a well-established and widely deployed technology in the world, including in North America. There are dozens of installations processing solid organic wastes on a similar or larger scale than Orbit's proposed plant. In North America, there are several plants under construction or in operation which are processing primarily food waste. Orbit's proprietary HSAD technology is similar to most of these processes but can be considered an enhancement of the other anaerobic digestion

processes in that it has the ability to continuously process waste materials with a very high solids content (up to 45%) Other continuous AD processes are generally limited to feeds that are less than 25% in solids content.