

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**IN RE: NARRAGANSETT ELECTRIC
COMPANY d/b/a NATIONAL GRID –
4265**

DOCKET NO.

**ORBIT ENERGY RHODE ISLAND, LLC.
PURCHASE POWER AGREEMENT**

**COMMISSION'S SECOND SET OF DATA REQUESTS
DIRECTED TO ORBIT ENERGY RI, LLC.**

July 1, 2011

(Please respond no later than July 12, 2011)

1. Orbit Energy Rhode Island, LLC proposes to construct a 3.2 MW anaerobic biodigester.
 - a. How many projects has Orbit completed using this technology?
 - **Orbit has completed one project using this technology. Our facility in Clinton, NC has been operating since 2002.**
 - b. Please provide the size and location of completed projects?
 - **The Clinton, NC plant has a capacity of 12 tons per day.**
 - c. Were the above projects completed on time? If not, what were the nature and duration of the delays?
 - **The project was completed on time.**
 - d. How many Orbit projects using the above technology have been approved and not yet completed?
 - **Orbit has four projects in advanced stages expected to begin construction within the next 8-10 months. An additional four projects have a strong likelihood to begin construction in 12-18 months.**
 - e. With regard to the projects identified in 'd.' above, please indicate what stage the projects are in (design, permitting, land acquisition, construction, etc.)
 - **For the first four projects, sites have been selected, interconnection studies and the permitting process are about to begin (or have begun in the case of the Johnston, RI project). The National Grid PPA has been signed. Another PPA for a plant in Charlotte, NC is in the final stages of negotiation with execution expected in 4 weeks. The preliminary design for this plant has been completed. The remaining 2 projects in California and Washington are standard, non-negotiated contracts and will be executed upon interconnection study completion.**

Of the second set of 4 projects, three will be in North Carolina and one in California. The North Carolina projects are negotiated PPAs with one site selected and the other 2 sites to be finalized in the next 30-60 days. The 4th project in California, is awaiting final agreement on the lease for the site. An interconnection application will be submitted soon afterwards.

2. A 2008 news article attached to Orbit Energy's website states in part "Orbit's goal is to launch 12 such plants (waste to energy) around the country by 2012." Please comment on Orbit's progress toward meeting that goal. The full article can be found at:
<http://www.orbitenergyinc.com/files/Orbit%20Energy%20featured%20in%20Triangle%20Business%20Journal.pdf>
 - **Orbit's pipeline of projects remains on track toward achieving the goal set forth in the 2008 article. In addition to the 8 projects discussed above, Orbit has identified another 6-8 project locations in California, Arizona, and Vermont. We fully expect to begin the design/interconnection/permitting process for several of these projects by the end of 2012.**
3. Please state whether Orbit Energy expects to receive tipping fees for recyclable/ biodegradable waste disposed of at the proposed facility. If yes, please cite the legal authority for which Orbit Energy would be eligible to receive such fees and the estimated annual revenue Orbit Energy expects to receive in tipping fees.
Orbit Energy does expect to receive tipping fees for biodegradable waste disposed at its proposed facility. Orbit's business model is to generally deliver a 20-25% reduction in prevailing tipping fees to its waste feedstock suppliers. Generally feedstock is supplied to us by private haulers who have agreements with commercial and institutional generators of such waste material such as grocery stores, restaurants, institutional cafeterias, and food processing industries. Orbit is pursuing direct agreements with some of these feedstock generators.

The facility will be registered as a Putrescible Solid Waste Composting Facility with the Rhode Island Department of Environmental Management. This registration will provide the necessary legal authority to accept food scraps and other organic wastes. A registration application has been prepared with support from Fuss & O'Neill, a local engineering and consulting firm. Plans are to submit the application for registration the week of July 11, 2011.