



June 21, 2010

Ms. Luly Massaro, Division Clerk
Division of Public Utilities and Carriers
89 Jefferson Boulevard
Warwick, RI 02888

RE: Purchase Power Agreement Between Narragansett Electric Company D/B/A
National Grid and Rhode Island LFG Genco, LLC filed June 7, 2010.
DPUC Docket D-10-36

65 Shun Pike

Johnston, RI 02919-4512

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www.rirrc.org

Dear Ms. Massaro,

In response to the Office of Energy Resources request for Information for the above referenced matter, Rhode Island Resource Recovery Corporation (RIRRC) has the following responses:

- *Documents demonstrating how the construction of a new facility will allow landfill expansion and therefore provide a means for long term solid waste management.*

Enclosed is portions of RIRRC's current Phase VI licensing application presently on file with RIDEM. As you will see from the documents, the existing 12 MW Ridgewood Power Plant is in the path of the Phase VI expansion. In order to construct the Phase VI Area 3 cell, the existing plant will need to be relocated. The proposed construction of the 32 MW Ridgewood facility out of the path of the future expansion will provide for capture and destruction of landfill gas generated by the existing landfill and future expansion a requirement of the gas management plan for the expansion (see attached document). The current landfill facility generates 10,000 to 12,000 scfm of landfill gas. Approximately 60 - 65% of the gas is used to generate electricity by Ridgewood's two existing power plants. The remaining 35 - 40% of the gas is flared in an effort to effectively control odors, a requirement necessary for effective solid waste management. Construction of the new gas facility will provide a means to capture and generate electricity from all gas produced for the life of the landfill. Copies of a typical daily gas report are provided.

- *Documents demonstrating how the construction of the new facility will allow Rhode Island Resource Recovery Corporation to comply with conditions set forth in environmental permits by reducing methane emissions from the landfill.*

RIRRC's current and future expansion permit requires the effective capture and destruction of methane gas produced by the landfill.

Currently, as previously stated, approximately 65% of the methane gas captured by the collection system is destructed in the current Ridgewood Power Plants. The remaining 35% is destructed in on-site flares. The new facility will provide destruction capacity for all of the landfill gas generated and flaring will only occur on an emergency basis. In addition, RIDEM has requested that all gas be treated for the removal of hydrogen sulfide prior to destruction. Under the current landfill collection and transport system, all of the gas can't be treated prior to destruction as a result of the destruction device locations. The new facility incorporates a gas treatment facility where all of the gas will be directed and treated prior to being destroyed in the gas turbine engines of the proposed facility. Attached are documents from the Phase VI licensing application and the RIDEM Phase V Air permit and pending Phase VI air permits for the proposed facility.

- *Documents demonstrating how the use of the new facility will reduce reliance on traditional forms of energy.*

Again, the proposed new Ridgewood facility will be a 32 MW facility. The new facility will have more than twice the capacity as the current facility (12 MW) that needs to be relocated and decommission as part of the landfill expansion. The remaining existing plant (CAT Plant – 6 MW) will remain, however, under the new configuration; this plant will serve as a backup facility only. Therefore, using simple math, the new facility will produce 14 MW of additional “green” power beyond that currently produced. The additional 14 MW of power will be exported to the grid that as of now would require traditional fuel sources to produce the equivalent level of power.

If you should have any questions, please feel free to call the undersigned at (401) 942-1430 Ext. 223.

Sincerely,
Rhode Island Resource Recovery Corporation



William M. Anderson, PE
Engineering Manager

Attachments: Phase VI Permitting Application (excerpts); (2) daily gas reports; Phase V Air Permit; Phase VI Air Permit (pending approval); Ridgewood Air Permit and Addendum

Cc: Michael OConnell, Brian Card