

# APPLICATION OF JOHNSTON LANDFILL EXPANSION PHASE I FOR NEW HAMPSHIRE CLASS III QUALIFICATION

## Application Requirements (PUC § 2505.02(b))

## Applicant Response

- |  |  |
|--|--|
| (1) The name and address of the applicant:   | Ridgewood Rhode Island Generation, LLC<br>c/o Ridgewood Power Management, LLC<br>947 Linwood Avenue<br>Ridgewood, New Jersey 07450   |
| (2) The name and location of the facility:   | Johnston Landfill Expansion Phase I<br>65 Shun Pike<br>Johnston, Rhode Island 02919  |
| (3) The ISO-New England asset identification number, if available:   | MSS Asset ID# 10366  |
| (4) The GIS facility code, if available:   | Facility Code Number 6069428   |
| (5) A description of the facility, including fuel type, gross nameplate generation capacity, the initial commercial operation date, and the date it began operation, if different: | The facility consists of two Deutz, Model TBG-620V16K internal combustion engines, fired only on landfill gas, with a combined gross generating capability of approximately 2.5 MW. The initial commercial operation date of the facility was on or about February 28, 2004. |
| (6) If a biomass source, NOx and particulate matter emissions rates and a description of pollution control equipment or proposed practices for compliance with such requirements:  | Not applicable.  |
| (7) All other necessary regulatory approvals, including any reviews, approvals or permits required by the department:  | Since the Applicant is an existing facility, located in another state, no regulatory approvals, including any reviews, approvals or permits are required from the Applicant by the department.   |

# APPLICATION OF JOHNSTON LANDFILL EXPANSION PHASE I FOR NEW HAMPSHIRE CLASS III QUALIFICATION

## Application Requirements (PUC § 2505.02(b))

## Applicant Response

(8) Proof that the applicant either has an approved interconnection study on file with the commission, is a party to a currently effective interconnection agreement, or is otherwise not required to undertake an interconnection study:

The Applicant is an existing facility, located in another State and is therefore not required to undertake an interconnection study or have one on file with the commission. The Applicant, however, submits herewith a copy of the System Impact Study dated June 10, 2003 concerning the Applicant's becoming interconnected through certain then existing interconnection facilities. Based on the circumstances at that time, it was determined that a separate interconnection agreement was not necessary.

(9) If a biomass study, proof that a copy of the completed application has been filed with the department:

Not applicable.

(10) A description of how the generation facility is connected to the distribution utility:

The facility consists of two Deutz generator sets, burning methane from the Central Landfill in Johnston, RI. Each unit is rated at 1.25 MVA and is connected through a generation step-up (GSU) transformer, rated at 16 MVA, to a 23 KV line. The GSU transformer is connected to a 4 KV bus. The GSU transformer is connected to a radial 23 KV line owned by Narragansett Electric Company. The 4.6 mile-long line terminates in the 23/115 KV switchyard of Johnston substation. The interconnection with the bulk power system is provided by two taps to two 115 KV lines. The taps are located along S-171 and T-172 lines between Hartford Avenue substation and FPLE RISEP generation taps.

(11) A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof:

The facility has been certified by the Connecticut Department of Public Utility Control as a Class I Source, the Massachusetts Division (now Department) of Energy Resources as a New Renewable Energy Generator subject to a vintage waiver and the Rhode Island Public Utilities Commission as a New, Eligible Renewable Energy Resource. Copies of each state's certification are attached to this Application.

(12) A statement as to whether the facility's output had been verified by ISO-

The facility's output is verified by ISO-New England.

**APPLICATION OF JOHNSTON LANDFILL EXPANSION PHASE I  
FOR NEW HAMPSHIRE CLASS III QUALIFICATION**

**Application Requirements  
(PUC § 2505.02(b))**

**Applicant Response**

New England:

(13) A description of how the facility's output is reported to the GIS if not verified by ISO-New England:

Not Applicable.

(14) An affidavit by the owner attesting to the accuracy of the contents of the application:

An affidavit by the owner, attesting to the accuracy of the contents of the application, is provided below.

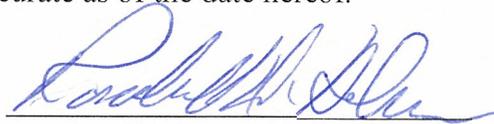
(15) The name and telephone number of the facility's operator, if different from the owner:

Ridgewood Power Management, LLC  
947 Linwood Avenue  
Ridgewood, New Jersey 07450  
(201) 447-9000

(16) Such other information as the applicant wishes to provide to assist in classification of the generating facility:

At this time, the applicant does not wish to provide any additional information to assist in classification of the generating facility.

Ridgewood Rhode Island Generation, LLC, through its President & CEO, Randall D. Holmes, hereby certifies that to the best of its knowledge the contents of this application, including the attachments provided herewith, are accurate as of the date hereof.



Sworn to before me this 17 day of August, 2009

  
Notary

My Commission Expires:

**LOIS A. BUNNELL**  
Notary Public, State of New Jersey  
My Commission Expires March 10, 2011

# Narragansett Electric

A National Grid Company



June 11, 2003

Mr. John Bahrs  
Ridgewood Power Management  
947 Linwood Avenue  
Ridgewood, NJ 07450

Re: System Impact Study, Johnston, RI

Dear John:

Please find attached the final report of the System Impact Study associated with Phase I of your project. It should address all of your concerns that we discussed. Please call me at (401) 784-7412 to clarify any questions that you may have or to schedule another meeting.

Sincerely,

Paul A. Stasiuk  
Account Manager  
Business Services

C: Angelo Antignano, Ridgewood Providence LLC.

**Ridgewood Rhode Island Generation (Johnston Landfill) Interconnection Study****Executive Summary:**

A system impact study was conducted on behalf of Ridgewood Rhode Island Generation, LLC to determine the impact of up to 4 MW of additional generation at the Johnston landfill gas generation plant. Steady state Loadflow and short circuit analysis found no adverse impact to the Narragansett Electric – National Grid system.

As part of the review of the existing revenue metering, system protection and telecommunications equipment Ridgewood Rhode Island Corporation proposed that the existing revenue metering be modified to add the capability to distinguish and record the output of the new generation separately from the existing plant. This report documents several options to upgrade the existing metering to distinguish the new generation from the existing generation and to upgrade the existing RTU interface with the NE-ISO and System Control Center to comply with the latest system standards.

**Introduction:**

Ridgewood Power Management is proposing to expand its existing power plant in Johnston, RI. in two phases. This report reviews the impact of Phase I (up to 4.0 MW) to be online by December 2003.

**Description of existing Plant:**

- Ridgewood Power Associates currently operates the existing Johnston Landfill generation plant with a capability of 12.0 MW and is registered in the NEPOOL market as Asset ID 451 by PG&E Energy Trading-Power, L.P.
- The existing plant is located on the property of the Rhode Island Resource Recovery Corporation's Johnston Landfill, located in Johnston, Rhode Island.
- Existing plant description:
  - Nine combustion engine/generating units (8 units for normal operations, 1 unit spare). The engines are powered by a landfill gas collection system.
  - A single 4.16 to 23 kV connected delta-wye step up transformer with a rating of approximately 16 MW.
  - The plant is connected to the TNEC 2227 landfill tap at a 23 kV primary revenue metering point near Shun Pike by a single underground 23 kV cable with a capacity of 18-19 MW, at the plant end of the cable is a 23kV breaker.
  - The 23 kV breaker has a direct transfer trip (DTT) relay scheme and is rated approximately 460A (18.3 MVA)
  - The existing plant is self sufficient in electricity while the plant is generating power.

**Description of the Phase I Generation capacity expansion (up to 4.0 MW):**

- Phase I expansion:
  - Ridgewood filed with ISO-NE an in service date of December 2003. To meet this date the customer is looking to begin construction in July 2003.
  - Phase I consists of relocating two existing engine/generation units from California to the Johnston Landfill site. The units have a combined capacity of approximately 2.4-2.5 MW. Each unit is housed in a portable container. Installation consists of placing the containers on a concrete slab and connecting each unit into the existing 4 kV bus.



**Loadflow and short circuit analysis:****Thermal analysis:**

The additional generation at the Johnston landfill site was simulated using GE-PSLF software and National Grid system model. The generation of the site was increased to the normal loading capability of the 4.16/23 kV transformer (16 MW) with no adverse impact on the Narragansett Electric - National Grid system.

**Short Circuit Analysis:**

Single phase and three phase faults were simulated using ASPEN software and the National Grid system model at the Johnston Landfill 4kV bus and at the existing 23 kV metering point. The analysis showed no adverse impact of the new generation on the Narragansett Electric - National Grid system.

**Protection Review:**

The following outline is the result of a review of the existing plant and the proposed addition of two generators. The two new generators will be configured to the existing bus and will be interconnected to the grid via the existing transformer. Consequently, the customer-owned generator facility interconnection protection will remain the same. However, the existing protection must be checked within specified setting limits and must meet the Interconnection Requirements Document – Policy 4, Exhibit 3, Sheet 46 – Requirements for Synchronous Generator (Type C) Installations.

The following outline delineates some of the requirements as mentioned in the Interconnection Document.

- 1.) The high-side circuit breaker #UB will continue to be tripped by the following protective devices: 50/51, 50N/51N, 47, Xfmr diff- 87, 59G, 27/59, UF-81, 67 dir relays and the 51G – TNG relay.
- 2.) The high-side circuit breaker #UB will also continue to be tripped via utility direct transfer trip which will operate whenever the utility feeder breaker trips open. The DTT is necessary during contingencies of minimum generation when protection at the Landfill may lack sufficient sensitivity to trip promptly for faults out on the feeder.
- 3.) 27 Bus under-voltage relay will pickup between 102-114 volts secondary and operate between .1-4 seconds. (nominal 120v) The existing setting = 102v @ 1.0 sec
- 4.) 59 Over-voltage relay will pickup between 126-138 volts secondary and operate between .1-4 seconds. (nominal 120v) The existing setting = 138v @ 1.0 sec
- 5.) 81O/U Bus frequency relay shall operate on or below the NPCC Document A-3 of the Emergency Operation Criteria. A degradation of frequency to 57 Hz should operate for up to 3.3 seconds and then ramp up to 59Hz at 300 seconds.
- 6.) The existing transformer relay settings will remain the same.
- 7.) Witness Testing of all protection including the DTT protection will be required.

**Revenue Metering Review:**

Due to the customer request that the new generation output be distinguished and recorded separately from the existing plant a review of the existing metering was prepared. Note the Study grade cost estimates (+/- 25%) contained in this document was developed based on a conceptual understanding of the facilities needed to provide the interconnection service. The costs are prepared using historical cost data from similar projects and other stated assumptions. These estimates are not suitable for finalizing agreements, contracts or commitments.

**Phase I Revenue Metering cost estimates:**

Study Grade Estimates (i.e.,  $\pm 25\%$ ) for the four (4) revenue metering scenarios being considered at Ridgewood Power's Johnston Landfill generating facility in Johnston, RI the cost of a new metering system is impacted by who will own and maintain the new metering equipment. The options are as follows:

**Summary of Four Revenue metering options considered for the Phase I expansion:**

- 1) National Grid would deliver some equipment to site and perform some wiring, test, commission, own and maintain the new generator 4 kV metering (See meter detail section of this report). With no change to the existing 23 kV metering. (\$12,150.00)
- 2) National Grid would deliver some equipment to site and perform some wiring, test, commission, own and maintain the new generator 4 kV metering (See meter detail section of this report) and upgrade the existing 23 kV metering. (\$15,850.00)
- 3) Ridgewood would add, own and maintain the new generator 4 kV metering and National Grid would witness test and commission the metering. (See meter detail section of this report). There would be no change to the existing 23 kV metering. (\$7,025.00)
- 4) Ridgewood would add, own and maintain the new generator 4 kV metering and National Grid would witness test and commission the metering. (See meter detail section of this report). National Grid would upgrade the existing 23 kV metering. (\$9,925.00)

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION

IN RE: APPLICATION FOR STANDARD CERTIFICATION DOCKET NO. 3816  
AS ELIGIBLE RENEWABLE ENERGY RESOURCE  
FILED BY RIDGEWOOD RHODE ISLAND GENERATION,  
LLC FOR JOHNSTON LANDFILL EXPANSION PHASE I

ORDER

WHEREAS, Effective January 1, 2006, the Rhode Island Public Utilities Commission ("Commission") adopted Rules and Regulations Governing the Implementation of a Renewable Energy Standard (RES Regulations) including requirements for applicants seeking certification as an Eligible Renewable Energy Resource under the RES Regulations<sup>1</sup> pursuant to the Renewable Energy Act, Section 39-26-1 et. seq. of the General Laws of Rhode Island; and

WHEREAS, On February 5, 2007, Ridgewood Rhode Island Generation, LLC ("Company", Authorized Representative: William P. Short III, Vice President of Power Marketing, Ridgewood Power Management, LLC, 947 Linwood Avenue, Ridgewood, New Jersey, 07450, 201-447-9000 x2163, bshort@ridgewoodpower.com) filed with the Commission an application seeking certification for its Johnston Landfill Expansion Phase I Generation Units, a combined 2.4 MW Eligible Biomass (landfill gas) energy Generation Unit located in Johnston, Rhode Island as an eligible New Renewable Energy Resource under the State of Rhode Island RES Regulations; and

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<sup>1</sup> State of Rhode Island and Providence Plantations Public Utilities Commission Rules and Regulations Governing the Implementation of a Renewable Energy Standard – Date of Public Notice: September 23, 2005, Date of Public Hearing: October 12, 2005, Effective Date: January 1, 2006.

WHEREAS, Pursuant to Section 6.0 and other relevant Sections of the RES Regulations, a thirty (30) day period for public comment was provided during which time, no such comments were received, and

WHEREAS, After examination, the Commission is of the opinion that the application is proper, reasonable and in compliance with the RES Regulations, and hereby grants the Company certification as an eligible renewable energy resource pursuant to the Renewable Energy Act, Section 39-26-1 et. seq. of the General Laws of Rhode Island; and

WHEREAS, The Commission's determination in this docket is based on the information submitted by the Company, and the Commission may reverse its ruling or revoke the Applicant's certification if any material information provided by the Applicant proves to be false or misleading.

Accordingly, it is

(18951) ORDERED:

1) That the Johnston Landfill Expansion Phase I Generation Units, meets the requirements for eligibility as a New, Eligible Biomass Renewable Energy Resource with its combined 2.4 MW, Grid-Connected Generation Units having a Commercial Operation Date of February 28, 2004 and located within the NEPOOL Control Area in Johnston, Rhode Island.

2) That the Generation Unit's NEPOOL-GIS Identification Number is MSS 10366.

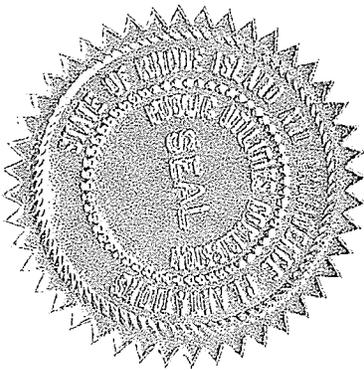
3) That the Company's Generation Unit as identified above is hereby assigned unique certification number RI-3816-N07.

4) That, although the Commission will rely upon the NEPOOL GIS for verification of production of energy from the Company's Generation Unit certified as eligible in this Order, the Company will provide information and access as necessary to the Commission, or persons acting at its behest, to conduct audits or site visits to assist in verification of continued eligibility for and compliance with RI RES Certification at any time at the Commission's discretion.

5) That the Company shall notify the Commission in the event of a change in the facility's eligibility status.

DATED AND EFFECTIVE AT WARWICK, RHODE ISLAND ON MAY 10,  
2007 PURSUANT TO AN OPEN MEETING DECISION. WRITTEN ORDER ISSUED  
MAY 14, 2007.

PUBLIC UTILITIES COMMISSION



*Elia Germani*  
Elia Germani, Chairman

*Robert B. Holbrook*  
Robert B. Holbrook, Commissioner

*Mary E. Bray*  
Mary E. Bray, Commissioner



# STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC UTILITY CONTROL  
TEN FRANKLIN SQUARE  
NEW BRITAIN, CT 06051

DOCKET NO. 03-12-81 APPLICATION OF RIDGEWOOD RHODE ISLAND  
GENERATION, LLC FOR QUALIFICATION OF  
JOHNSTON LANDFILL EXPANSION AS A CLASS I  
RENEWABLE ENERGY SOURCE

April 21, 2005

By the following Commissioners:

Anne C. George  
Jack R. Goldberg  
John W. Betkoski, III

## DECISION

### I. INTRODUCTION

#### A. SUMMARY

In this Decision, the Department of Public Utility Control determines that the Johnston Landfill Expansion generating facility qualifies as a Class I renewable energy source as a methane gas from landfill facility and assigns it Connecticut Renewable Portfolio Standard (RPS) Registration Number CT00071-03.

#### B. BACKGROUND OF THE PROCEEDING

By application dated December 23, 2003 (Application), Ridgewood Rhode Island Generation LLC (Ridgewood Rhode Island) requested that the Department of Public Utility Control (Department) determine that the Johnston Landfill Expansion generating facility qualifies as a Class I renewable energy source.

Johnston Landfill Expansion is a methane gas from landfill facility located in Johnston, Rhode Island. Johnston Landfill began commercial operation in February, 2004, and has a nameplate capacity of 8.4 MW.

**C. CONDUCT OF THE PROCEEDING**

There is no statutory requirement for a hearing, no person requested a hearing, and none was held.

**D. PARTICIPANTS IN THE PROCEEDING**

The Department recognized Ridgewood Rhode Island Generation, LLC, c/o Ridgewood Power Management, LLC, 947 Linwood Avenue, Ridgewood, NJ 07450, and the Office of Consumer Counsel, Ten Franklin Square, New Britain, Connecticut 06051, as participants in this proceeding.

**II. DEPARTMENT ANALYSIS**

Pursuant to the General Statutes of Connecticut (Conn. Gen. Stat.) §16-1(a)(26), a Class I renewable energy source includes energy derived from methane gas from landfills.

As provided in the Application, Johnston Landfill Expansion is a methane gas from landfill facility located at 65 Shun Pike, Johnston, Rhode Island. Johnston Landfill is currently owned by Ridgewood Rhode Island Generation, LLC. Application, p. 1. According to ISO New England's (ISO-NE) Seasonal Claimed Capability Report dated 4/01/2005 (ISO Report), Johnston Landfill Expansion is a methane gas from landfill electric generating facility.

Based on the foregoing, the Department determines that Johnston Landfill Expansion qualifies as a Class I renewable energy facility.

**III. FINDINGS OF FACT**

1. Johnston Landfill Expansion is a methane gas from landfill facility located in Johnston, Rhode Island.
2. Johnston Landfill Expansion is currently owned by Ridgewood Rhode Island Generation LLC.
3. Johnston Landfill Expansion began operation in February, 2004.
4. Johnston Landfill Expansion has a nameplate capacity of 8.4 megawatts.
5. Johnston Landfill Expansion is registered with ISO-NE as a methane gas from landfill electric generating facility.

#### IV. CONCLUSION

Based on the evidence submitted, the Department finds that Johnston Landfill Expansion qualifies as a Class I renewable generation source pursuant to Conn. Gen. Stat. § 16-1(a)(26).

The Department assigns each renewable generation source a unique Connecticut Renewable Portfolio Standard (RPS) registration number. Johnston Landfill Expansion's Connecticut RPS registration number is CT00071-03.

The Department's determination in this docket is based on the information submitted by Ridgewood Rhode Island Generation LLC. The Department may reverse its ruling or revoke the Applicant's registration if any material information provided by the Applicant proves to be false or misleading. The Department reminds Ridgewood Rhode Island Generation LLC that it is obligated to notify the Department within 10 days of any changes to any of the information it has provided to the Department.

DOCKET NO. 03-12-81 APPLICATION OF RIDGEWOOD RHODE ISLAND  
GENERATION, LLC FOR QUALIFICATION OF  
JOHNSTON LANDFILL EXPANSION AS A CLASS I  
RENEWABLE ENERGY SOURCE

This Decision is adopted by the following Commissioners:

Anne C. George

Jack R. Goldberg

John W. Betkoski, III

CERTIFICATE OF SERVICE

The foregoing is a true and correct copy of the Decision issued by the Department of Public Utility Control, State of Connecticut, and was forwarded by Certified Mail to all parties of record in this proceeding on the date indicated.

*Louise E. Rickard*

\_\_\_\_\_  
Louise E. Rickard  
Acting Executive Secretary  
Department of Public Utility Control

\_\_\_\_\_  
April 26, 2005  
Date



COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS  
AND BUSINESS REGULATION  
**DIVISION OF ENERGY RESOURCES**  
70 FRANKLIN ST., 7th FLOOR  
BOSTON, MA 02110-1313  
Internet: [www.Mass.Gov/DOER](http://www.Mass.Gov/DOER)  
Email: [Energy@State.MA.US](mailto:Energy@State.MA.US)

**Mitt Romney**  
Governor

**Kerry Healey**  
Lieutenant Governor

**Beth Lindstrom**  
Director, Office of Consumer Affairs  
and Business Regulation

**David L. O'Connor**  
Commissioner

TELEPHONE  
617-727-4732

FACSIMILE  
617-727-0030  
617-727-0093

October 7, 2005

Mr. Daniel V. Gulino  
Senior Vice President & General Counsel  
Ridgewood Power Management LLC  
947 Linwood Avenue  
Ridgewood, NJ 07450

**RE: RPS Eligibility Decision**  
**Johnston Landfill & Johnston Landfill Expansions [LG-1020-02 Amended]**

Dear Mr. Gulino,

On behalf of the Division of Energy Resources (DOER or the Division), I am pleased to inform you that DOER has approved Ridgewood's request in a September 13, 2005 letter from William P. Short III to modify the Statement of Qualification for Johnston Landfill and Johnston Landfill Expansion to separately identify and include the new NEPOOL GIS account number (MSS-10959) assigned to the last six megawatts of the Johnston Landfill Expansion, termed in the re-amended Statement of Qualification Johnston Landfill Expansion Phase 2 (a.k.a. RRIG Expansion Phase 2), pursuant to the Massachusetts Renewable Energy Portfolio Standard (RPS) Regulations, 225 CMR 14.00. The Division finds that the Generation Units meet the requirements for eligibility as New Renewable Generation Units pursuant to 225 CMR 14.05.

Qualification of these Generation Units remains, however, subject to the following provisions:

1. Johnston Landfill Expansion Phases 1 and 2 are located at a site of Vintage Generation, namely the site of Johnston Landfill. As such, all three Generation Units share the Johnston Landfill's Historical Generation Rate, which is determined to be 86,901 MWh. The three Generation Units shall share the Historical Generation Rate in the manner and by the procedures prescribed in the attached Statement of Qualification – Amended, dated October 7, 2005.
2. The Owner or Operator of the three Generation Units shall provide to the Division electricity output information and any other reports prescribed in the attached Statement of Qualification – Amended.
3. DOER retains the right to revise at any time the procedure and requirements set forth in the attached Statement of Qualification – Amended.

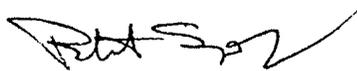
Each Massachusetts New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number (MA RPS ID#), which must be included in all correspondence with the Division. Johnston Landfill and Johnston Landfill Expansion Phases 1 and 2 share a single MA RPS ID#: LG-1020-02.

The Division wishes to remind you of the notification requirements for changes in eligibility status contained in 225 CMR 14.06(3). In addition, the Division requests that you inform us of any changes in name, ownership, or installed capacity at the site. The Owner or Operator of the Generation Units shall submit notification of such changes to the Division no later than five days following the end of the month during which such changes were implemented.

The Division also wishes to remind you to be cognizant of the Operating Rules and the reporting requirements of the NEPOOL GIS, which may be amended from time to time, and compliance with which may affect the RPS qualification of your Generation Units' GIS certificates.

Finally, please note that, whereas Johnston Landfill Expansion Phase 2's new account MSS-10959 will be coded as RPS-qualified before October 10, 2005, the MA RPS qualification of the certificates deposited in that account will be effective for output as of the July 18, 2005 opening of that account.

Sincerely,



Robert Sydney  
General Counsel

**COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS AND BUSINESS REGULATION  
DIVISION OF ENERGY RESOURCES**

**Statement of Qualification – Amended**

**Pursuant to the Renewable Energy Portfolio Standard  
Regulations at 225 CMR 14.00**

This Amended Statement of Qualification, provided by the Massachusetts Division of Energy Resources (“DOER”), signifies that the Generation Units identified below meet the requirements for eligibility as New Renewable Generation Units, pursuant to the Renewable Energy Portfolio Standard 225 CMR 14.05, as of the approval date of the Application for Statement of Qualification, the 17<sup>th</sup> day of January, 2003, and as amended on the 30<sup>th</sup> day of January, 2004, and as further amended on this 7<sup>th</sup> day of October 2005.

Authorized Representative’s Name and Address:

Mr. Daniel V. Gulino Senior Vice President & General Counsel Ridgewood Power Management LLC 947 Linwood Avenue Ridgewood, NJ 07450
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Names of Generation Units:

Johnston Landfill & Johnston Landfill Expansion Phase 1 & Johnston Landfill Expansion Phase 2
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Qualification of these Generation Units is subject to the following provisions:

1. Johnston Landfill (“Johnston”) is a Vintage Generation Unit, and the Johnston Landfill Expansions (“the Expansions”) are Generation Units located at the site of Vintage Generation. The Historical Generation Rate of Johnston and of the site of Vintage Generation (“Site”) that it shares with the Expansions is determined to be 86,901 MWh. That Historical Generation Rate pertains to all three Generation Units located at the Site, as well as to any additional Generation Units that may be located at the Site in the future, regardless of the status of Johnston.
2. For each of the first three quarters of each calendar year, Johnston shall be responsible for the Historical Generation Rate of the Site, subject to the provisions below. Only that quantity of electricity output at Johnston that exceeds the Historical Generation Rate, if any, may qualify as New Renewable Generation and, thereby, result in the creation of RPS-qualified certificates in the NEPOOL Generation Information System (“GIS”). All of the output of the Expansions shall qualify as New Renewable Generation during this period and, thereby, result in the creation of RPS-qualified, GIS certificates, subject to the provisions below.
3. For the fourth quarter of each calendar year, Johnston shall remain responsible for the Historical Generation Rate of the Site, as described above. However, if Johnston’s total output for the year is less than the Historical Generation Rate, the Expansions shall be responsible for the balance of the

Historical Generation Rate, and the number of RPS-qualified, GIS certificates created for the Expansions' output shall be reduced accordingly.

4. DOER retains the right to revise at any time the procedure set forth in these provisions. DOER intends to make such a revision if and when the electricity output of Johnston presents a risk, as determined by DOER, that Johnston's cumulative annual output for a given calendar year is likely to be less than the Historical Generation Rate. Such revision may include, if necessary, making the Expansions jointly responsible for the Historical Generation Rate earlier than the 4th Quarter of that year. Any such revision would be executed with the concurrence of the GIS Administrator, and in consultation with Ridgewood Power Management LLC ("Ridgewood") or any subsequent owner or operator, and such revision shall be binding on the Owners and Operators of all three Generation Units.
5. Ridgewood shall send DOER a quarterly update of the electricity output of Johnston and the Expansions within three weeks after the end of each calendar quarter. Such updates shall include (a) each month's output for each Generation Unit and the total for the three combined, (b) the quarterly total for each Unit and for the three combined, and (c) the year-to-date total for each Unit and for the three Units combined.
6. If the electricity output of Johnston in any month falls below 7,250 MWh, then Ridgewood shall send DOER a report within two weeks after the end of any such month, including an explanation of the shortfall, a prognosis of future output, and any plans to increase the output. In the event of such an occurrence, DOER may require subsequent monthly reports and other relevant information.

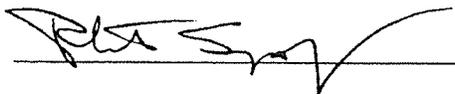
ISO-NE Generation Unit Asset Identification Numbers or NEPOOL-GIS Identification Numbers:

Johnston Landfill: MSS 0451  
Johnston Landfill Expansion Phase 1: MSS 10366  
Johnston Landfill Expansion Phase 2: MSS 10969

Each New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number. In this case, all three Units share the number originally assigned to Johnston. Please include the MA RPS ID # on all correspondence with the Division.

**MA RPS ID #: LG-1020-02**

Pursuant to 225 CMR 14.06, the Owner or Operator of the New Renewable Generation Units is responsible for notifying the Division of any change in eligibility status, and the Division may suspend or revoke this Statement of Qualification if the Owner or Operator of a New Renewable Generation Unit fails to comply with 225 CMR 14.00.



Date: Oct 7, 2005

Robert Sydney  
General Counsel  
Division of Energy Resources



COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS  
AND BUSINESS REGULATION  
**DIVISION OF ENERGY RESOURCES**

70 FRANKLIN ST., 7th FLOOR

BOSTON, MA 02110-1313

Internet: [www.Mass.Gov/DOER](http://www.Mass.Gov/DOER)

Email: [Energy@State.MA.US](mailto:Energy@State.MA.US)

**Mitt Romney**  
Governor

**Kerry Healey**  
Lieutenant Governor

**Beth Lindstrom**  
Director, Office of Consumer Affairs  
and Business Regulation

**David L. O'Connor**  
Commissioner

TELEPHONE  
617-727-4732

FACSIMILE  
617-727-0030  
617-727-0093

January 17, 2003

Mr. Daniel V. Gulino  
Senior Vice President & General Counsel  
Ridgewood Power Management LLC  
947 Linwood Avenue  
Ridgewood, NJ 07450

**RE: RPS Eligibility Decision  
Johnston Landfill [LG-1020-02]**

Dear Mr. Gulino,

On behalf of the Division of Energy Resources (the Division), I am pleased to inform you that your Application for Statement of Qualification pursuant to the Massachusetts Renewable Energy Portfolio Standard (RPS) Regulations, 225 CMR 14.00, is hereby approved. The Division finds that the Generation Unit meets the requirements for eligibility as a New Renewable Generation Unit pursuant to 225 CMR 14.05. Qualification of this Generation Unit is, however, subject to the following provisions:

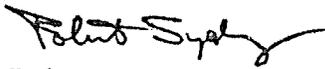
- 1 The Generation Unit's Historical Generation Rate is determined to be 86,901 MWh.

Each Massachusetts New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number (MA RPS ID#). The MA RPS ID # stated on the Statement of Qualification must be included in all correspondence with the Division. Johnston Landfill's MA RPS ID# is: LG-1020-02.

Mr. Daniel V. Gulino  
January 17, 2003  
Page 2

The Division wishes to remind you of the notification requirements for changes in eligibility status contained in 225 CMR 14.06(3). The Owner or Operator of the Generation Unit shall submit notification of such changes to the Division no later than five days following the end of the month during which such changes were implemented.

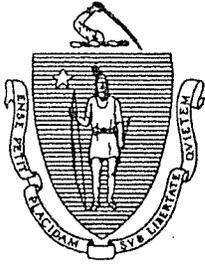
Sincerely,



Robert Sydney  
General Counsel

Encl.(1): Statement of Qualification

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COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS  
AND BUSINESS REGULATION  
**DIVISION OF ENERGY RESOURCES**  
70 FRANKLIN ST., 7th FLOOR  
BOSTON, MA 02110-1313  
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**Mitt Romney**  
Governor

**Kerry Healey**  
Lieutenant Governor

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Director, Office of Consumer Affairs  
and Business Regulation

**David L. O'Connor**  
Commissioner

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January 30, 2004

Mr. Daniel V. Gulino  
Senior Vice President & General Counsel  
Ridgewood Power Management LLC  
947 Linwood Avenue  
Ridgewood, NJ 07450

**RE: RPS Eligibility Decision  
Johnston Landfill & Johnston Landfill Expansion [LG-1020-02 Amended]**

Dear Mr. Gulino,

On behalf of the Division of Energy Resources (the Division), I am pleased to inform you that your Application to amend the Statement of Qualification for Johnston Landfill to include the Johnston Landfill Expansion, pursuant to the Massachusetts Renewable Energy Portfolio Standard (RPS) Regulations, 225 CMR 14.00, is hereby approved. The Division finds that the Generation Units meet the requirements for eligibility as New Renewable Generation Units pursuant to 225 CMR 14.05. Qualification of these Generation Units is, however, subject to the following provisions:

1. Johnston Landfill Expansion is located at a site of Vintage Generation, namely the site of Johnston Landfill. As such, both Generation Units share the Johnston Landfill's Historical Generation Rate, which is determined to be 86,901 MWh. The two Generation Units shall share the Historical Generation Rate in the manner and by the procedures prescribed in the attached Statement of Qualification – Amended, dated January 30, 2004.

Mr. Daniel V. Gulino

January 30, 2004

Page 2

2. The Owner or Operator of the two Generation Units shall provide to the Division electricity output information and any other reports prescribed in the attached Statement of Qualification – Amended.
3. DOER retains the right to revise at any time the procedure and requirements set forth in the attached Statement of Qualification – Amended.

Each Massachusetts New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number (MA RPS ID#), which must be included in all correspondence with the Division. Johnston Landfill and Johnston Landfill Expansion share a single MA RPS ID#: **LG-1020-02**.

The Division wishes to remind you of the notification requirements for changes in eligibility status contained in 225 CMR 14.06(3). The Owner or Operator of the Generation Unit shall submit notification of such changes to the Division no later than five days following the end of the month during which such changes were implemented.

The Division also wishes to remind you to be cognizant of the Operating Rules and the reporting requirements of the NEPOOL GIS, which may be amended from time to time, and compliance with which may affect the RPS qualification of your Generation Units' GIS certificates.

Finally, please note that the MA RPS qualification of Johnston Landfill Expansion will be effective at the NEPOOL GIS as of January 1, 2004.

Sincerely,



Robert Sydney  
General Counsel

Encl.(1): Statement of Qualification

**COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS AND BUSINESS REGULATION  
DIVISION OF ENERGY RESOURCES**

**Statement of Qualification – Amended**

**Pursuant to the Renewable Energy Portfolio Standard  
Regulations at 225 CMR 14.00**

This Amended Statement of Qualification, provided by the Massachusetts Division of Energy Resources (“DOER”), signifies that the Generation Units identified below meet the requirements for eligibility as New Renewable Generation Units, pursuant to the Renewable Energy Portfolio Standard 225 CMR 14.05, as of the approval date of the Application for Statement of Qualification, the 17<sup>th</sup> day of January, 2003, and as amended this 30<sup>th</sup> day of January, 2004.

Authorized Representative’s Name and Address:

Mr. Daniel V. Gulino Senior Vice President & General Counsel Ridgewood Power Management LLC 947 Linwood Avenue Ridgewood, NJ 07450
--

Names of Generation Units:

Johnston Landfill & Johnston Landfill Expansion
--

Qualification of these Generation Units is subject to the following provisions:

1. Johnston Landfill (“Johnston”) is a Vintage Generation Unit, and Johnston Landfill Expansion (“Expansion”) is a Generation Unit located at the site of Vintage Generation. The Historical Generation Rate of Johnston and of the site of Vintage Generation (“Site”) that it shares with Expansion is determined to be 86,901 MWh. That Historical Generation Rate pertains to both Generation Units located at the Site, as well as to any additional Generation Units that may be located at the Site in the future, regardless of the status of Johnston.
2. For each of the first three quarters of each calendar year, Johnston shall be responsible for the Historical Generation Rate of the Site, subject to the provisions below. Only that quantity of electricity output at Johnston that exceeds the Historical Generation Rate, if any, may qualify as New Renewable Generation and, thereby, result in the creation of RPS-qualified certificates in the NEPOOL Generation Information System (“GIS”). All of the output of Expansion shall qualify as New Renewable Generation during this period and, thereby, result in the creation of RPS-qualified, GIS certificates, subject to the provisions below.
3. For the fourth quarter of each calendar year, Johnston shall remain responsible for the Historical Generation Rate of the Site, as described above. However, if Johnston’s total output for the year is less than the Historical Generation Rate, Expansion shall be responsible for the balance of the Historical Generation Rate, and the number of RPS-qualified, GIS certificates created for Expansion’s output shall be reduced accordingly.

4. DOER retains the right to revise at any time the procedure set forth in these provisions. DOER intends to make such a revision if and when the electricity output of Johnston presents a risk, as determined by DOER, that Johnston's cumulative annual output for a given calendar year is likely to be less than the Historical Generation Rate. Such revision may include, if necessary, making Expansion jointly responsible for the Historical Generation Rate earlier than the 4th Quarter of that year. Any such revision would be executed with the concurrence of the GIS Administrator, and in consultation with Ridgewood Power Management LLC ("Ridgewood") or any subsequent owner or operator, and such revision shall be binding on the Owners and Operators of both Generation Units.
5. Ridgewood shall send DOER a quarterly update of the electricity output of Johnston and Expansion within three weeks after the end of each calendar quarter. Such updates shall include (a) each month's output for each Generation Unit and the total for the two combined, (b) the quarterly total for each Unit and for the two combined, and (c) the year-to-date total for each Unit and for the two Units combined.
6. If the electricity output of Johnston in any month falls below 7,250 MWh, then Ridgewood shall send DOER a report within two weeks after the end of any such month, including an explanation of the shortfall, a prognosis of future output, and any plans to increase the output. In the event of such an occurrence, DOER may require subsequent monthly reports and other relevant information.

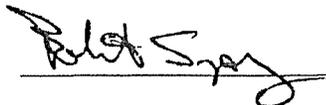
ISO-NE Generation Unit Asset Identification Numbers or NEPOOL-GIS Identification Numbers:

Johnston Landfill: 0451  
Johnston Landfill Expansion: 10366

Each New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number. In this case, both Units share the number originally assigned to Johnston. Please include the MA RPS ID # on all correspondence with the Division.

**MA RPS ID #: LG-1020-02**

Pursuant to 225 CMR 14.06, the Owner or Operator of the New Renewable Generation Unit is responsible for notifying the Division of any change in eligibility status, and the Division may suspend or revoke this Statement of Qualification if the Owner or Operator of a New Renewable Generation Unit fails to comply with 225 CMR 14.00.



Robert Sydney  
General Counsel  
Division of Energy Resources

Date: January 30, 2004

**COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS AND BUSINESS REGULATION  
DIVISION OF ENERGY RESOURCES**

**Statement of Qualification – Amended**

**Pursuant to the Renewable Energy Portfolio Standard  
Regulations at 225 CMR 14.00**

This Amended Statement of Qualification, provided by the Massachusetts Division of Energy Resources (“DOER”), signifies that the Generation Units identified below meet the requirements for eligibility as New Renewable Generation Units, pursuant to the Renewable Energy Portfolio Standard 225 CMR 14.05, as of the approval date of the Application for Statement of Qualification, the 17<sup>th</sup> day of January, 2003, and as amended this 30<sup>th</sup> day of January, 2004.

Authorized Representative’s Name and Address:

Mr. Daniel V. Gulino Senior Vice President & General Counsel Ridgewood Power Management LLC 947 Linwood Avenue Ridgewood, NJ 07450
--

Names of Generation Units:

Johnston Landfill & Johnston Landfill Expansion
--

Qualification of these Generation Units is subject to the following provisions:

1. Johnston Landfill (“Johnston”) is a Vintage Generation Unit, and Johnston Landfill Expansion (“Expansion”) is a Generation Unit located at the site of Vintage Generation. The Historical Generation Rate of Johnston and of the site of Vintage Generation (“Site”) that it shares with Expansion is determined to be 86,901 MWh. That Historical Generation Rate pertains to both Generation Units located at the Site, as well as to any additional Generation Units that may be located at the Site in the future, regardless of the status of Johnston.
2. For each of the first three quarters of each calendar year, Johnston shall be responsible for the Historical Generation Rate of the Site, subject to the provisions below. Only that quantity of electricity output at Johnston that exceeds the Historical Generation Rate, if any, may qualify as New Renewable Generation and, thereby, result in the creation of RPS-qualified certificates in the NEPOOL Generation Information System (“GIS”). All of the output of Expansion shall qualify as New Renewable Generation during this period and, thereby, result in the creation of RPS-qualified, GIS certificates, subject to the provisions below.
3. For the fourth quarter of each calendar year, Johnston shall remain responsible for the Historical Generation Rate of the Site, as described above. However, if Johnston’s total output for the year is less than the Historical Generation Rate, Expansion shall be responsible for the balance of the Historical Generation Rate, and the number of RPS-qualified, GIS certificates created for Expansion’s output shall be reduced accordingly.

4. DOER retains the right to revise at any time the procedure set forth in these provisions. DOER intends to make such a revision if and when the electricity output of Johnston presents a risk, as determined by DOER, that Johnston's cumulative annual output for a given calendar year is likely to be less than the Historical Generation Rate. Such revision may include, if necessary, making Expansion jointly responsible for the Historical Generation Rate earlier than the 4th Quarter of that year. Any such revision would be executed with the concurrence of the GIS Administrator, and in consultation with Ridgewood Power Management LLC ("Ridgewood") or any subsequent owner or operator, and such revision shall be binding on the Owners and Operators of both Generation Units.
5. Ridgewood shall send DOER a quarterly update of the electricity output of Johnston and Expansion within three weeks after the end of each calendar quarter. Such updates shall include (a) each month's output for each Generation Unit and the total for the two combined, (b) the quarterly total for each Unit and for the two combined, and (c) the year-to-date total for each Unit and for the two Units combined.
6. If the electricity output of Johnston in any month falls below 7,250 MWh, then Ridgewood shall send DOER a report within two weeks after the end of any such month, including an explanation of the shortfall, a prognosis of future output, and any plans to increase the output. In the event of such an occurrence, DOER may require subsequent monthly reports and other relevant information.

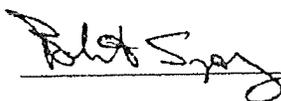
ISO-NE Generation Unit Asset Identification Numbers or NEPOOL-GIS Identification Numbers:

Johnston Landfill: 0451  
Johnston Landfill Expansion: 10366

Each New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number. In this case, both Units share the number originally assigned to Johnston. Please include the MA RPS ID # on all correspondence with the Division.

**MA RPS ID #: LG-1020-02**

Pursuant to 225 CMR 14.06, the Owner or Operator of the New Renewable Generation Unit is responsible for notifying the Division of any change in eligibility status, and the Division may suspend or revoke this Statement of Qualification if the Owner or Operator of a New Renewable Generation Unit fails to comply with 225 CMR 14.00.



Robert Sydney  
General Counsel  
Division of Energy Resources

Date: January 30, 2004

COMMONWEALTH OF MASSACHUSETTS  
OFFICE OF CONSUMER AFFAIRS AND BUSINESS REGULATION  
DIVISION OF ENERGY RESOURCES  
Statement of Qualification

Pursuant to the Renewable Energy Portfolio Standard  
225 CMR 14.00

This Statement of Qualification, provided by the Massachusetts Division of Energy Resources, signifies that the Generation Unit identified below meets the requirements for eligibility as a New Renewable Generation Unit, pursuant to the Renewable Energy Portfolio Standard 225 CMR 14.05, as of the approval date of the Application for Statement of Qualification, this 17<sup>th</sup> day of January, 2003.

Authorized Representative's Name and Address:

Mr. Daniel V. Gulino  
Senior Vice President & General Counsel  
Ridgewood Power Management LLC  
947 Linwood Avenue  
Ridgewood, NJ 07450

Name of Generation Unit:

Johnston Landfill

Qualification of this Generation Unit is subject to the following provisions:

The Generation Unit's Historical Generation Rate is determined to be 86,901 MWh.

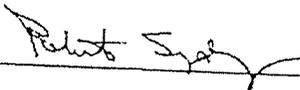
ISO-NE Generation Unit Asset Identification Number or NE-GIS Identification Number:

0451

This New Renewable Generation Unit is assigned a unique Massachusetts RPS Identification Number. Please include MA RPS ID #s on all correspondence with the Division.

MA RPS ID #: LG-1020-02

Pursuant to 225 CMR 14.06, the Owner or Operator of the New Renewable Generation Unit is responsible for notifying the Division of any change in eligibility status, and the Division may suspend or revoke this Statement of Qualification if the Owner or Operator of a New Renewable Generation Unit fails to comply with 225 CMR 14.00.



Date: January 17, 2003

Robert Sydney  
General Counsel  
Division of Energy Resources