

September 16, 2011

**VIA HAND DELIVERY & ELECTRONIC MAIL**

Luly E. Massaro, Commission Clerk  
Rhode Island Division of Public Utilities and Carriers  
89 Jefferson Boulevard  
Warwick, RI 02888

**RE: Docket 4296 – 2011 Distribution Adjustment Charge Filing Responses to Division Data Requests – Set 2**

Dear Ms. Massaro:

Enclosed are National Grid's<sup>1</sup> responses to the Division's Second Set of Data Requests in the above-captioned proceeding.

Please be advised that due to the voluminous nature of the attachments associated with these responses, the Company is providing a CD-ROM that contains the following attachments identified as Attachment DIV 2-3(a) Part 1, Attachment DIV 2-3(a) Part 2, Attachment DIV 2-3(a) Part 3, Attachment DIV 2-3(b), Attachment DIV 2-3(c); Attachment DIV 2-4(a), Attachment DIV 2-4(b), Attachment DIV 2-4(c); Attachment 2-5(a), Part 1, Attachment 2-5(a), Part 2, Attachment 2-5(a), Part 3.

The Company's response to Division 2-7 will be forthcoming.

Thank you for your attention to this transmittal. If you have any questions, please feel free to contact me at (401) 784-7667.

Very truly yours,



Thomas R. Teehan

Enclosure

cc: Docket 4269 Service List  
Leo Wold, Esq.  
Steve Scialabba

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid.

Division 2-1

Request:

Re: The Direct Testimony of witness Nestor please provide all electronic spreadsheet files used in the development of each of the attachments and schedules. Please provide the requested spreadsheet files with all cell formulas intact.

Response:

The electronic spreadsheets of Mr. Nestor's testimony was provided to Mr. Oliver on August 1, 2011 and is being re-sent to Mr. Oliver. In addition, the Company is providing the electronic spreadsheet to the Division Staff and the Commission Staff. These spreadsheets are attached as Attachment DIV 2-1.

Prepared by or under the supervision of: John F. Nestor, III

Division 2-2

Request:

Re: Pages 7-9, of witness Nestor's direct testimony regarding the ATG program please provide:

- a. The amount spent annually for each of the last three years on administration costs associated with the ATG program.
- b. The amount of rebates issued to customers annually for each of the last three years including customer and project information.
- c. The amount of interest accrued on ATG related funds annually for each of the last the years.
- d. The size and timing of the rebates to be issued to the four customers with ATG projects, including the anticipated timing of any submission of any request(s) for commission approval of rebates greater \$500,000.

Response:

- a. No administrative costs have been charged to the AGT program for the last three years.
- b. No rebates have been issued to customers for the last three years.
- c. The amount of interest accrued on AGT funds for the last three years is set forth below:

2009	\$14,101
2010	\$10,966
2011	\$15,259

- d. At this time it is the Company's expectation that the first of the four customers would finalize its specific project and rebate request either very late in the fourth quarter of 2011 or early in the first quarter of 2012. The Company is continuing to work with all four of these customers and will submit any request greater than \$500,000 to the Commission for approval at the time the rebate is known.

Division 2-3

Request:

Re: page 2 of the Company's "Annual Environmental Report for Gas Service" which addresses activities associated with the 170 Allens Avenue project, please:

- a. Provide supporting invoices showing hours billed, rates charged, and service provided for the consulting services associated with the 170 Allens Avenue Project;
- b. Provide a breakdown of the \$393,810 of Property Purchase/Settlements/ Legal costs for the 170 Allens Avenue project including, but not limited to specification in each of three types of activities listed (i.e., Property Purchases, Settlements, and Legal costs and identifying:
  - i. Each property purchased;
  - ii. Each settlement negotiated; and
  - iii. All other legal services provided.
- c. Provide a copy of the referenced "Remedial Alternative Evaluation Report" for the 170 Allens Avenue project,
- d. Provide a copy of the referenced "cost sharing agreement with Cargill,"
- e. Provide supporting detail including all contactor invoices and descriptions of services billed for the \$345,177 of Construction/Disposal/Removal costs.

Response:

- a. The supporting invoices for the consulting services associated with the 170 Allens Ave project are attached as Attachment DIV 2-3(a). The attachment contains invoices from GEI Consultants, Inc.; GZA GeoEnvironmental, Inc. and History Associates, Inc. The invoices contain the hours billed, rates charged and services provided.
- b.
  - (i) No properties were purchased in FY11.
  - (ii) The Company entered into a cost sharing agreement with Cargill, Inc. under which the two companies agreed to share certain environmental costs related to 170 Allens Ave site. Cargill, Inc. and the Company were both named Potentially Responsible Parties for the 170 Allens Ave site by RIDEM. A payment of \$366,742 was made to Cargill for the net amount owed by the Company. A breakdown of the legal costs, including the Cargill payment, is attached as Attachment DIV 2-3(b).

Division 2-3 (continued)

- (iii) Hinckley Allen Snyder LLP is the Company's outside counsel for environmental legal matters related to the 170 Allens Ave site, including dealings with the environmental regulators, Cargill and Patrick Conley, the current site property owner. A breakdown of the legal costs, including payments to Hinckley Allen Snyder LLP, is attached as Attachment DIV 2-3(b).
- c. The document *Remedial Alternative Evaluation Report, 170 Allens Ave, Providence, Rhode Island, RIDEM Case No. 98-042 (a & b)*, by GZA GeoEnvironmental, Inc., dated December 2010 is attached as Attachment DIV 2-3(c).
- d. The cost sharing agreement between Cargill, Inc., and the Company is confidential and cannot be provided without the authorization of both parties. The Company is attempting to obtain the necessary consent.
- e. The supporting invoices for the \$33,778 in the Construction/Disposal/Removal costs for the 170 Allens Ave project are attached as Attachment DIV 2-3(e). The \$30,126 in charges for Clean Harbors Environmental Services, Inc. are associated with investigation-derived waste removal including drum drop-off, waste pick-up, waste transport and waste disposal, as well as one day of vacuum excavation of soil boring locations (for utility clearance) performed as part of the RIDEM-required investigation activities at the site. The \$3,652 in charges for TFord Company, Inc. are for the excavation of test pits performed as part of the RIDEM-required investigation activities at the site. The supporting invoices also include a Clean Harbors Environmental Services, Inc. invoice (Invoice SB0917620, \$1,976.37) that was inadvertently charged to the 170 Allens Ave project in FY10 and was credited in FY11.

Prepared by or under the supervision of: Michele Leone

Attachment DIV 2-3

Due to the voluminous nature of this file, the Company is providing the Attachment on CD-ROM.

Attachment DIV 2-3(a) Part 1,  
Attachment DIV 2-3(a) Part 2,  
Attachment DIV 2-3(a) Part 3,  
Attachment DIV 2-3(b)  
Attachment DIV 2-3(c)

Division 2-4

Request:

Re: page 4 of the Company's "Annual Environmental Report for Gas Service" which addresses activities associated with the Pawtucket (Tidewater) MGP project, please:

- a. Provide a copy of the referenced "Short-Term Remedial Action Plan."
- b. Provide a copy of the referenced "Remedial Alternative Evaluation Report."
- c. Provide supporting detail including all contactor invoices and descriptions of services billed for the \$345,177 of Construction/Disposal/Removal costs.

Response:

- a. The following documents associated with the Tidewater Pipe Removal Short-Term Response Action Plan are attached as Attachment DIV 2-4(a):
  - *Short-Term Response Action Plan, Former Tidewater Facility, Pawtucket, Rhode Island*, by GZA GeoEnvironmental, Inc., dated October 1, 2010.
  - *Short-Term Response Action Plan (Revised), Former Tidewater Facility, Pawtucket, Rhode Island*, by GZA GeoEnvironmental, Inc., dated January 10, 2011.
  - *Evaluation of Applicability of Air Pollution Control Regulation No. 9 & Air Quality Monitoring Program, Proposed Above Ground Former Processing Pipe Removal, Former Tidewater Facility, Pawtucket, Rhode Island*, by GZA GeoEnvironmental, Inc., dated June 23, 2011.
- b. The document *Remedial Alternative Evaluation Report, Former Tidewater Facility and Former Power Plant, Tidewater and Merry Streets, Pawtucket, Rhode Island*, by GZA GeoEnvironmental, Inc., dated July 2011 is attached as Attachment DIV 2-4 (b).
- c. The supporting invoices for \$345,177 in the Construction/Disposal/Removal costs for the Tidewater site are attached as Attachment DIV 2-4(c). The \$120 in charges for Citiworks, Inc. is for repairs to the site fence. The \$7,839 in charges for Clean Harbors Environmental Services, Inc. are associated with waste removal including drum drop-off, waste pick-up, waste transport and waste disposal, as well as support activities required during the holder demolition and site investigation activities. The \$753 in charges for Environmental Soil Management, Inc. is for the thermal treatment

Division 2-4 (continued)

of soils generated during site investigation activities at the site. The \$329,530 in charges for TFord Company, Inc. is for the holder removal activities at the Tidewater site performed between August 2010 and December 2011. Please note that the environmental costs for this project are split between the Company's electric and gas operations, with the gas operations assuming 20 percent of the costs.

Prepared by or under the supervision of: Michele Leone

Attachment DIV 2-4

Due to the voluminous nature of this file, the Company is providing the Attachments on CD-ROM.

Attachment DIV 2-4 (a)  
Attachment DIV 2-4 (b)  
Attachment DIV 2-4 (c)

Division 2-5

Request:

Re: the Company's "Annual Environmental Report for Gas Service" filed August 1, 2011, page 11 which addresses activities associated with the Thames & Wellington Project, please:

- a. Provide supporting invoices showing hours billed, rates charged, and service provided for the consulting services associated with the Thames & Wellington Project;
- b. Identify the cost category in which costs associated with "regular boom inspection and maintenance" are reflected and explain why those costs are categorized in that manner;
- c. Provide invoices showing the dates of services provided, the a detailed specification of the costs of services billed for labor, materials, and equipment used for "regular boom inspection and maintenance,"
- d. Please identify by date and title each consulting report provided to the Company relating to the Thames & Wellington Project during the annual period covered by this report.

Response:

- a. The supporting invoices for the consulting services associated with the Thames & Wellington Project are attached as Attachment DIV 2-5(a). The attachment contains invoices from GZA GeoEnvironmental, Inc. (GZA).
- b. The regular boom inspection and maintenance costs for the Thames & Wellington Project incurred in FY11 are included under the Consulting Costs category. The boom inspections and maintenance were performed by the consultant for the site, GZA. Due to the success of the Storm Drain Short Term Response Action, the booms were removed from Newport Harbor in fall of 2010 and are currently stored at the site, as required by the Rhode Island Department of Environmental Management (RIDEM), in case sheens are observed in the harbor in the future.
- c. The costs for the boom inspections are shown as Task 7 on the twelve GZA invoices included as Attachment DIV 2-5(a) above. The total GZA costs for FY11 were \$2,192.20 with \$2,053.02 in labor and \$139.18 in mileage expenses.

Division 2-5 (continued)

- d. The following consulting reports were provided to the Company and submitted to RIDEM during this reporting period (all reports were prepared by GZA):
- *Storm Drain Short Term Response Action Completion Report*, dated March 16, 2011
  - *Engineered Soil Cap Short Term Response Action Plan Addendum #2*, dated October 22, 2011
  - *RIDEM Monthly Status Report No.1*, dated October 25, 2010
  - *RIDEM Monthly Status Report No. 2*, dated November 11, 2010
  - *RIDEM Monthly Status Report No. 3*, dated December 17, 2010
  - *RIDEM Monthly Status Report No. 4*, dated January 10, 2011
  - *RIDEM Monthly Status Report No. 5*, dated February 17, 2011
  - *RIDEM Monthly Status Report No. 6*, dated March 30, 2011
  - *RIDEM Monthly Status Report No. 7*, dated April 27, 2011
  - *RIDEM Monthly Status Report No. 8*, dated May 11, 2011
  - *RIDEM Monthly Status Report No. 9*, dated June 15, 2011

Prepared by or under the supervision of: Michele Leone

Attachment DIV 2-5

Due to the voluminous nature of this file, the Company is providing the  
Attachment on CD-ROM.

Attachment DIV 2-5 (a), Part 1;  
Attachment DIV 2-5 (a), Part 2;  
Attachment DIV 2-5 (a), Part 3

Division 2-6

Request:

Re: Mercury Seal Regulator (MSR) Replacement program found on page 12 and 13, of the “Annual Environmental Report for Gas Service” filed August 1, 2011, please provide:

- a. The average cost per MSR removal for each annual reporting period for which costs for the MSR program have been claimed.
- b. Document the cause of each referenced spill;
- c. Provide an detailed explanation of why seven spills within one year for only 63 MSR removals should not be considered excessive;
- d. Provide the Company’s assessment of the responsible party for each spill; and
- e. Detail all efforts by the Company to recover the costs of clean-up for each spill from the responsible party(ies).
- f. Identify the number of MSR replacements that the Company expects to complete between 7/1/2011 to 6/30/2012:

Response:

- a. The Company has calculated the cost per MSR removal for the following years:
  - July 1, 2008-June 20, 2009: \$1,420;
  - July 1, 2009-June 20, 2010: \$1,586; and
  - July 1, 2010-June 20, 2011: \$1,219.

The documentation for the costs of spills and MSR removals for July 1, 2007 to June 20, 2008 and July 1, 2006 to June 20, 2007 have been archived and are not easily available. However, in an attempt to be responsive, the Company has calculated an approximate cost per MSR removal using the total costs billed to the project during these two periods and the number of MSRs removed in each period. These numbers may represent an overestimation of the cost per MSR removal, as the costs used to calculate the estimate include spill clean-up costs.

- July 1, 2006-June 20, 2007: \$1,261; and
- July 1, 2007-June 20, 2008: \$1,412.

Division 2-6 (continued)

- b. The following is a description of each spill referenced in the FY11 report:

6-21-11, 8 Eton Road, Barrington, RI

During removal of an inside meter vent line by a Company employee, mercury was released due to the difficult position of the piping in the basement. The source of the mercury in the line was from a previously removed MSR. The MSR had been removed prior to 1990.

12-9-10, 61 Freeman Street, Warwick, RI

During the removal of the MSR at this location, elevated levels of mercury vapor were detected which required the use of forced ventilation for greater than two hours. This action triggered a release reporting requirement with the Rhode Island Department of Environmental Management (RIDEM). Acceptable ambient levels returned within 12 hours. The source or cause of the mercury vapor was not determined.

11-22-10, 314 Greenwood Ave, Warwick, RI

A Company employee spilled mercury on the floor from the vent line during an inside-to-outside meter set conversion.

10-8-10, 33 Harmony Court, Warwick, RI

The property owner at this location had built walls and shelving around the gas meter and regulator set. These items limited the access to the area for removal of the meter set and regulator; due to this restriction, the Company employee was unable to completely deploy containment measures.

10-1-10, 179 Tanner Avenue, Warwick

The customer at this location had built a wall around the meter set and regulator limiting access to the gas service. The Company employee removing the MSR was unable to achieve complete containment without destroying the customer's property.

9-2-10, 106 Knowles Drive, Warwick, RI

Before starting a conversion of an inside meter set, the service technician noticed mercury beads on a shelf under the meter. The MSR had been removed from this site prior to 1990.

Division 2-6 (continued)

8-17-10, 2 Waverly Road, Barrington, RI

During renovation of a house, the handyman removed an MSR which resulted in a release. The homeowner claimed that the handyman had received permission from National Grid customer service to do this. The Company has no record that such permission was ever given and the handyman was not able to provide any documentation to this effect. It is the Company's policy not to allow non-employees to work on Company-owned equipment.

- c. The Company takes all possible precautions to prevent a spill of mercury during MSR removal. The procedure for MSR removal is documented in National Grid's Technical Instruction *Removing Mercury Regulators and Devices (060010-TI)*. Additionally, the disposal of MSRs and appurtenances is documented in *Environmental Guidance Document EG-138RI Mercury Seal Regulators*. Each document is provided as Attachment DIV2-6(c). These procedures detail step-by-step processes to ensure safe removal of MSRs. The Company aggressively worked in previous years to identify and remove mercury regulators in its service area. As a result, most MSRs have already been removed, and the ones remaining tend to be in locations in which the ability of Company employees to gain full access to the MSRs or to fully employ containment measures is restricted.

Additionally, in 2005 the Rhode Island Department of Health and Rhode Island Department of Environmental Management lowered the threshold for reporting releases of mercury to the environment. Consequently, spills of a comparatively minor nature are now reported to the Department that previously were not required to be reported.

- d. Five of the seven spills involved situations, such as partially obstructed access to the MSRs or surrounding area, in which holding third parties responsible for the spills would be legally difficult and hence not worth pursuing. One of the spills involved a situation in which the Company service technician accidentally caused a vent line to leak. A handyman caused the seventh spill; however, since he had no business insurance, and no other means of paying for the cost of the release, the Company did not pursue cost recovery against him.
- e. See the response to sub-part (d) above.

Division 2-6 (continued)

- f. It is estimated that 45 MSRs and impacted vent lines will be removed in the next year (July 1, 2011 through June 30, 2012). By comparison, the Company removed 704 in 2008. The MSRs to be removed in the next year are among the very last MSRs known to remain in operation in the Company's service area.

Prepared by or under the supervision of: Michele Leone

## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-TI

Rev. 1



### Removing Mercury Regulators and Devices 060010-TI

#### 1. Purpose

National Grid personnel and representatives shall adhere to the following technical instructions when removing, storing, and transporting mercury-sealed regulators or other mercury-containing devices to avoid contamination of personnel, representatives, vehicles, and customer premises.

This procedure applies to the removal of mercury-sealed gas regulators, associated vent lines, and other mercury-containing devices. It describes the steps to take to avoid mercury contamination and the instructions to follow in the event of a mercury spill.

#### 2. Responsibilities

Customer Meter Services (CMS) personnel and representatives shall be responsible for:

- Removing mercury regulators
- Recording the locations and removals of mercury regulators
- Contacting Dispatch & Scheduling when a spill occurs

Dispatch & Scheduling shall be responsible for:

- Notifying Environmental Management and the Environmental contractor when walls and ceilings must be taken down in order to remove vent pipes.
- Contacting the area CMS Supervisor or on-call Supervisor, Environmental Management, and Safety when a spill occurs.

Environmental shall be responsible for:

- Overseeing mercury spill clean-up
- Setting the standards for clearance

Safety shall be responsible for:

- Responding to concerns regarding worker protection

#### 3. Personal & Process Safety

- This procedure shall be reviewed prior to performing the actual work in the field.
- CMS technicians shall wear and utilize all appropriate PPE necessary for the removal of mercury regulators and associated vent lines in accordance with the current National Grid Safety Policy and the GDx PPE Matrix.
- In cases where a spill may occur – such as awkwardly-positioned or difficult-to-remove regulators – chemical protective disposable coveralls, disposable outer boots (yellow latex over-boots) and inner gloves (Nitrile) shall be worn for protection in addition to the requirements noted above.
- National Grid personnel, and representatives, shall remove mercury regulators with extreme caution. National Grid supervisors, and contractors, shall inform personnel, and representatives, of the steps to follow in the event of a spill.
- Personnel, and representatives, shall not remove mercury from the regulators.
- Personnel, and representatives, shall not repair or reseal mercury-sealed regulators. These regulators shall be changed as soon as possible.

## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-TI

Rev. 1

- Only qualified and authorized personnel shall remove mercury-sealed regulators and other mercury-containing instruments.
- Under no circumstances shall an ordinary home, or shop vacuum cleaner, be used for collecting mercury.



**CAUTION:** Extreme caution shall be exercised to avoid personal contact with, or spilling of, mercury.

- Mercury spill clean-up shall only be performed under the direction of approved Environmental Operations personnel or environmental contractors.
- CMS and Construct & Maintain personnel shall not perform mercury spill clean-up.

### 4. Operator Qualification Required Tasks [Qualified or Directed & Observed]

- Task 18 – Conducting Gas Leakage Surveys
- Task 70 – Abnormal Operating Conditions and Properties of Natural Gas
- Task 72 – Installation of Customer Meters and Regulators

### 5. Instructions

#### Preparing for Removal of Mercury Regulators and Vent Lines

<b>Preparing for Removal of Mercury Regulators and Vent Lines</b>	
	If a mercury regulator is found, personnel, or representatives, shall document it and notify their supervisors.
	<b>IN RI ONLY:</b> The environmental contractor shall be present at every removal. All removals in Rhode Island are completed in conjunction with an Environmental contractor, such as Clean Harbors. Trained and qualified personnel shall work with the contractor to remove the regulator and associated vent. The Environmental contractor shall monitor the work area for mercury vapor before beginning any removal work. The contractor shall retain the regulator and vent after removal, and shall check the customer's house after removing the regulator and/or vent to ensure the air quality meets required guidelines.
	<b>NOTE:</b> The following procedures apply to all regions.
	Confirm that mercury containment equipment is available.
	Isolate the mercury regulator by closing the service shut-off valve upstream of the regulator (e.g., riser valve). If one does not exist, close the curb valve or squeeze-off per, <a href="#">Plastic Squeeze-Off Operations [030015-TI]</a> .
	Prior to removing the regulator, ensure the work area is clear of customer possessions. If necessary, remove the possessions.
	Install a plastic drop cloth, mercury spill mat, or large plastic tray on the floor directly beneath the mercury regulator or equipment being removed.
	<b>NOTE:</b> When a collapsible drum liner is not available, two large 6 mil plastic bags (i.e., double-bagged) shall be used to line the 10-gallon plastic container and to surround the regulator in order to prevent mercury from getting on the nearby walls, etc. while the mercury regulator is being removed.
	<b>NOTE:</b> When site conditions make the placement of the 10-gallon container under the regulator impossible, first place the mercury spill mat, or equivalent, on the floor and then place the collapsible drum liner, or equivalent, below and around the regulator to catch any loose mercury that might fall. Always tape the sides of the collapsible drum liner to the walls adjacent to the

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## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-T1

Rev. 1

	regulator to prevent mercury spillage on the walls.
	<b>NOTE:</b> The 10-gallon container shall be clean at the start of each removal job.
	Place the 10-gallon container and collapsible drum liner below and around the regulator, being sure to run the liner up the wall as high as the vent pipe to the regulator joint to catch any loose mercury that may fall. Tape the sides of the collapsible drum liner to the walls adjacent to the regulator to prevent any mercury spillage on the walls. Use additional plastic drop cloths to cover the walls and floor, if required.
	All openings (e.g., drains, sump pumps, floor cracks) shall be sealed with tape or duct seal.
	All air handling equipment in the basement (e.g., furnace, humidifier, de-humidifier, or other type equipment) shall be shut off.
	Tap the vent line with a non-sparking tool to dislodge any mercury in the line.
	<b>CAUTION:</b> In the event of contact with mercury, National Grid personnel, or representative, shall place his/her gloves in the plastic bag with the removed regulator for disposal. Personnel, or representatives, shall wash their hands, or other exposed skin, immediately if they have direct contact with mercury.
	All disassembled vent piping shall be capped/plugged and taped immediately. (Tape shall be used in cases where the cap is not threaded.) Care should be taken when pitching the pipe to avoid a possible spill. (Permagum may also be used at each end of the pipe as long as the ends of the pipe are then taped closed with duct tape.)
	All vent lines shall be removed.
	If removal of the vent line requires that the customer's ceiling or walls to be taken apart, then personnel, or representatives shall, complete the following: <ul style="list-style-type: none"> <li>• After the vent line from the mercury regulator has been cut and capped, remove the vertical vent line piping that was connected to the regulator.</li> <li>• Using the Jerome (RI environmental contractor uses Lumex) meter, take free air readings at the cut end of the vent pipe.</li> <li>• Perform the same test to the other end of the vent line located outside.</li> <li>• If a Jerome meter is not available, contact the supervisor and Environmental to obtain one.</li> </ul>
	<b>NOTE:</b> Do not insert the probe in the vent piping when taking mercury vapor readings. <ul style="list-style-type: none"> <li>• If a reading of 0.003 mg/m<sup>3</sup> or greater is obtained: <ul style="list-style-type: none"> <li>○ notify Dispatch &amp; Scheduling and the CMS or Area Supervisor</li> <li>○ Dispatch &amp; Scheduling shall notify Environmental Management and the Environmental contractor for removal of the vent line.</li> </ul> </li> <li>• If a reading of less than 0.003 mg/m<sup>3</sup> is obtained: <ul style="list-style-type: none"> <li>○ Existing vent line piping may be left in place.</li> <li>○ Cap/plug all open ends of the existing vent pipe.</li> </ul> </li> </ul>
	<b>NOTE:</b> <b>(IN RI ONLY)</b> Place a CAUTION tag (part no. L-38) on the vent line.

## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-T1

Rev. 1

### Mercury Regulator Removal Methods

Mercury Regulator Removal Methods	
	<p>Regulators may be removed using either of the two methods described below. If neither method is feasible, contact the CMS field supervisor responsible for mercury regulators.</p> <ul style="list-style-type: none"> <li>• Union Method (Preferred Method) <ul style="list-style-type: none"> <li>○ Break union connection.</li> <li>○ Remove union fitting from nipple.</li> <li>○ Seal outlet side of regulator with plastic cap (taped on) or threaded cap or plug. Keep regulator in vertical position.</li> <li>○ Spin off regulator (use extreme care to keep regulator tipping to a minimum when it comes off pipe threads). If the regulator does not freely spin due to being too close to the wall, or another obstruction, tip the elbow slightly to allow the regulator to spin. However, the regulator shall not be taken apart during removal.</li> <li>○ Seal inlet side of regulator with plastic cap (taped on) or threaded cap or plug.</li> <li>○ Place regulator in the lined 10-gallon container.</li> </ul> </li> <li>• Cut-Out Method (Alternate Method) <ul style="list-style-type: none"> <li>○ Cut outlet with four-wheel cutter.</li> <li>○ Seal outlet side of regulator with plastic cap (taped on) or threaded cap or plug, keeping regulator in vertical position.</li> <li>○ Secure regulator.</li> <li>○ Cut inlet with four-wheel cutter.</li> <li>○ Seal inlet side of regulator with plastic cap (taped on) or threaded cap or plug.</li> <li>○ Place regulator in the lined 10-gallon container.</li> </ul> </li> </ul>
	Place the associated scrap piping, into the lined transport container. Only one regulator shall be placed into each 10-gallon container.
	All tools and equipment, which may have come in contact with mercury, such as pipe cutters, shall be wiped down with terpene wipes or equivalent. Used wipes shall be placed into the lined transport container.
	Twist the top of the polyethylene liner bag to form a neck and secure with nylon cable tie, or tape, to seal.
	Place cover securely on the 10-gallon container.
	Inspect the work area, exit route and service vehicle for any signs of mercury contamination.
	<b>IN UPSTATE NY ONLY:</b> Prepare a, "Remove Regulator Tag" to send to the Gas Meter Shop in order to update the regulator inventory system. Update the service card with the new regulator number.

## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-TI

Rev. 1

### Replacing Regulators

	Complete the replacement of the old mercury regulator using local procedures established for regulator installations.
	Install new vent line and ensure the vent terminus is away from building openings, etc., in accordance with current procedures.
	Open riser or curb valve, turn on and light up necessary equipment and check for leaks, in accordance with current procedures.
	Return work area to original condition.

### Other Mercury-Containing Devices

	Any other devices suspected of containing mercury, such as Encoder Receiver Transmitters (ERTs), thermostats or switches shall be managed in accordance with this procedure and applicable Environmental Guidance documents.
	Removed device shall be: <ul style="list-style-type: none"> <li>• Placed in the container from which the replacement part came (if possible)</li> <li>• Placed in a plastic containment bag that shall be sealed by twisting the top of the bag to form a neck and securing with nylon cable tie or with tape.</li> <li>• Placed in a transport container lined with a plastic liner.</li> </ul>

### Transporting Mercury-Related Items

	All removed mercury regulators, vent piping, and other mercury-containing devices shall be transported on a daily basis using the container with a secure lid by National Grid personnel (except in RI) or approved Environmental contractors to the nearest Operations Center (except in RI) approved storage area.
	Each transport container shall be labeled and marked as specified below: <ul style="list-style-type: none"> <li>• Container with mercury regulator: <ul style="list-style-type: none"> <li>○ Corrosive Label</li> <li>○ "MERCURY REGULATOR" in block lettering on outside of transport container</li> </ul> </li> <li>• Empty container: <ul style="list-style-type: none"> <li>○ "DO NOT STORE ANY MATERIAL IN THIS CONTAINER. FOR HAZARDOUS MATERIAL ONLY"</li> </ul> </li> </ul>
	The 10-gallon container shall be sealed while inside vehicle.
	Securely fasten container to vehicle with a strap to prevent tipping.
	<b>NOTE:</b> Do not store mercury regulators, or contaminated items, in vehicles overnight.
	<b>NOTE:</b> When the transport container is not in use, the container shall not be used to store other items.

Effective Date: 03/15/2011

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Page 5 of 7

## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-TI

Rev. 1

	At the storage location, carefully remove the transport container from the truck and place it next to the Department of Transportation (DOT) approved shipment barrel.
	Remove transport container cover and inspect for tears in the containment bag. If torn, use an additional bag to double bag the regulator before removing from the transport container.
	Remove cover from DOT barrel, lift bagged regulator from transport container and deposit into the DOT approved shipment barrel.
	Following transfer of mercury contaminated items into drum, replace and secure the cover.
	Inspect transport container for residual mercury. If residual mercury is found, dispose of the container by placing it in the DOT Shipment Barrel.
	<p><b>In RI Only:</b></p> <ul style="list-style-type: none"> <li>• The air quality technician shall check blanket and tools with mercury vapor meter for mercury contamination. If, at any time, the blanket and/or tools come in contact with mercury, they shall be bagged and treated as mercury-containing material.</li> <li>• Transportation of mercury-containing materials shall be conducted by the approved environmental contractor.</li> <li>• Return tools to the truck.</li> </ul>

### Storage at Operations Centers

	Each designated work headquarters shall have DOT-approved shipment barrels with covers marked for either Universal Waste or Hazardous Waste: <ul style="list-style-type: none"> <li>• If the mercury is intact and fully contained in equipment, place these items in the "UNIVERSAL WASTE – Mercury-containing equipment" accumulation drum.</li> <li>• If the bagged waste contains contaminated debris, or any mercury-contaminated media where the mercury contamination is not fully contained in a device, place the waste in the accumulation drum marked, "HAZARDOUS WASTE."</li> </ul>
	<b>NOTE:</b> No on-site storage is available at any Rhode Island facility. The approved Environmental contractor shall be responsible for all removal, transportation and storage of mercury regulators, vent piping and contaminated items in Rhode Island.

### Handling Mercury Spills

	In the case of <i>any</i> mercury spill during the removal process, immediately notify Dispatch & Scheduling (notify CMS supervisor in RI) and include the following: <ul style="list-style-type: none"> <li>• Owner's name</li> <li>• Address</li> <li>• Phone number</li> <li>• Date and time of spill</li> <li>• Location of spill</li> <li>• Approximate amount of spill</li> </ul>

## GAS OPERATING PROCEDURE

Removing Mercury Regulators and Devices 060010-T1

Rev. 1

	<b>CAUTION:</b> Do not walk into, or touch, the spilled mercury. All contaminated PPE shall be discarded into the containment bag at the job site. If work clothes or work boots have been contaminated with mercury as a result of the spill, remove and place the contaminated clothing in the bag.
	Carefully section off the spill area and utilize the mercury containment equipment.
	<b>NOTE:</b> CMS personnel shall provide support at the spill site until a National Grid responsible authority (e.g. Safety, Environmental Engineer, or environmental contractor) assumes control.
	Dispatch and Scheduling shall call the CMS Supervisor, or on-call Supervisor, Environmental Management and Safety. Media Relations should also be contacted, as needed. In RI, dispatchers shall immediately report the incident using the Emergency Response Chart.
	All spills shall be handled by an Environmental contractor designated by the Company. When the Environmental contractor is not on-site, and where mercury absorb powder can be applied safely, the mercury absorb powder should be applied to the mercury visible in the immediate area. The powder should not be applied beyond the immediate spill area. Personnel should not return to the vicinity of the spill after a spill occurs.
	Personnel, or representatives, shall inform the occupants of the house to avoid the spill area and personnel, or representatives, should attempt to ventilate and secure the area, if the spill occurs indoors.
	Chemical protective coveralls (CPC) and boots shall be utilized to exit the job site. Upon return to the Operations Center, personnel shall immediately shower and dispose of their clothing in the appropriate waste drum.
	All indoor work shall stop immediately in the presence of spilled mercury and shall remain suspended until the on-site air quality technician approves continuation of work. Technicians shall leave the immediate area but remain at the address for further instruction.
	Mercury vapor clearance levels shall be in accordance with those described in the Environmental Procedures.
	Environmental shall retain the spill clean-up documentation.

### 6. Knowledge Base & References:

Knowledge Base		References
<a href="#">Compliance History</a> <a href="#">Definitions</a> Job Aid Standard Drawings	<a href="#">Data Capture</a> <a href="#">Document History</a> Learning & Development <a href="#">Tools &amp; Equipment</a>	Regulatory – Codes <a href="#">Technical Documents</a> Tools Catalog

### 7. Attachments

None

 <b>ENVIRONMENTAL GUIDANCE</b>		<b>DOC NO.</b>	<b>EG-138RI</b>	<b>Rev. No.</b>	<b>2</b>
		<b>PAGE</b>	<b>1 of 4</b>		
		<b>DATE</b>	<b>02/15/11</b>		
<b>SUBJECT</b> Mercury Seal Regulators		<b>REFERENCE</b> EP No. 1 – Waste Management			
<b>PURPOSE:</b>	This document provides guidance on the management of mercury seal regulators (MSR), associated vent lines and spill debris.				
<b>SCOPE:</b>	All operations of National Grid and its contractors which involve the management of mercury seal regulators and associated vent lines must comply with this guidance document.				
<b>RESPONSIBILITIES:</b>	It is the responsibility of all company personnel and contractors to ensure that their activities are in compliance with regulatory requirements and conducted in a manner that is protective of the environment.				
<b>PROCEDURE:</b>	<p>This procedure controls the disposal of mercury-containing regulators, vent lines, spill debris and spill response. <b>TECHNICAL INSTRUCTION <i>Removing Mercury Regulators and Devices – 060010-TI</i></b> describe the procedures for removal, replacement and transport to service centers of mercury seal regulators and vent lines.</p> <p><b>A. Initial</b></p> <ol style="list-style-type: none"> <li>Only qualified personnel shall remove mercury-seal regulators and instruments containing mercury.</li> <li>Mercury-seal regulators shall not be repaired; existing mercury regulators require replacement.</li> <li>An air quality technician, such as Clean Harbors must approve the work area for entry of company personal before work begins. <p style="margin-left: 40px;"><i>If the air sampling results exceed 300 nanograms/cubic meter, then immediate notification is required to the Rhode Island Department of Environmental Management of a potential mercury release. Note that such a release may not be attributable to National Grid's equipment/operations and may be the responsibility of the property owner.</i></p> </li> <li>Mercury shall not be removed from the regulator.</li> <li>Under no circumstances shall an ordinary home or shop vacuum be used for collecting mercury.</li> <li>Extreme caution shall be exercised to avoid personal contact with or spilling of mercury.</li> <li><b><i>If it is not known that the regulator contains mercury, it shall be treated as a mercury-containing regulator until proven otherwise.</i></b></li> </ol>				
<b>APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES</b> PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.					

 <b>ENVIRONMENTAL GUIDANCE</b>		<b>DOC NO.</b>	<b>EG-138RI</b>	<b>Rev. No.</b>	<b>2</b>
		<b>PAGE</b>	<b>2 of 4</b>		
		<b>DATE</b>	<b>02/15/11</b>		
<b>SUBJECT</b> Mercury Seal Regulators		<b>REFERENCE</b> EP No. 1 – Waste Management			
<p>8. <b>CAUTION: When changing the regulator due to a seal blow, extreme caution shall be taken to ensure that the vent line is properly secured and that any loose mercury that may have blown into the vent line is contained in the containment bag and does not spill.</b></p> <p>9. All open ends of the regulator shall immediately be capped/plugged upon removal.</p> <p><b>B. Spills</b></p> <ol style="list-style-type: none"> <li>Spills are defined as: <ul style="list-style-type: none"> <li>Visual observation of mercury;</li> <li>Detection of greater than 300 nanograms/cubic meter prior to the start of work; and,</li> <li>Air concentrations that do not return to below 300 nanograms/cubic meter within one hour after completion of work.</li> </ul> </li> <li>Field Personnel shall notify their Area Supervisor and Emergency Dispatch.</li> <li>Emergency Dispatch will contact the Environmental Engineer to coordinate the spill response.</li> <li>The Environmental Engineer will notify the Rhode Island Department of Environmental Management.</li> <li>All indoor work will stop immediately in the presence of spilled mercury, and will remain suspended until the environmental Engineer approves the continuation of work.</li> <li>Inform the occupants of the house to avoid the area and attempt to ventilate and secure the area, if the spill occurred indoors. <b><u>DO NOT WALK INTO OR TOUCH THE SPILLED MERCURY.</u></b></li> <li>All contaminated PPE shall be discarded into the containment bag at the job site. However, if work clothes or work boots have been contaminated with mercury as a result of the spill, return to the Operations Center with your PPE on. Then remove and bag all clothing and PPE for disposal, followed by a shower.</li> <li>Following completion of spill response the environmental consultant will collect an air sample for laboratory analysis. The location will be considered clear if the laboratory analysis of the air sample reports a release below 1,000 nanograms/cubic meter.</li> </ol>					
<p><b>APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES</b>  PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.</p>					

 <b>ENVIRONMENTAL GUIDANCE</b>		<b>DOC NO.</b>	<b>EG-138RI</b>	<b>Rev. No.</b>	<b>2</b>
		<b>PAGE</b>	<b>3 of 4</b>		
		<b>DATE</b>	<b>02/15/11</b>		
<b>SUBJECT</b> Mercury Seal Regulators		<b>REFERENCE</b> EP No. 1 – Waste Management			
<p><b>C. Classification of Waste Generated during Mercury Seal Regulator Removals</b></p> <ol style="list-style-type: none"> <li>1. Hazardous Waste: <ol style="list-style-type: none"> <li>a. Mercury Seal Regulators that are not intact, or not capped and plugged;</li> <li>b. Spill debris; and,</li> <li>c. Vent line where there was a seal blow, or visible mercury was observed on the inside or outside of the line, or is suspect of being contaminated with mercury.</li> </ol> </li> <li>2. Universal Waste: <ol style="list-style-type: none"> <li>a. Intact Mercury Seal Regulator, with all ports capped or plugged.</li> </ol> </li> <li>3. Non-Hazardous Waste: <ol style="list-style-type: none"> <li>a. Vent line where there has not been a seal blow, and no visible mercury has been observed on the inside or outside of the vent line, and is not suspected of being contaminated with mercury.</li> </ol> </li> </ol> <p><b>D. Storage at Operations Centers</b></p> <ol style="list-style-type: none"> <li>1. Hazardous waste generated during MSR removals shall be transported from the site by Clean Harbors.</li> <li>2. Universal waste generated during MSR removals may be transported from the site by Clean Harbors or company personal.</li> <li>3. Uncontaminated vent piping may be placed in metal scrap bins for recycling or left attached to the MSR and managed as universal waste.</li> <li>4. Under no circumstances shall regulators, contaminated vent piping or contaminated items be placed into containers without prior capping and bagging.</li> <li>5. Waste containers shall be kept closed at all time except when adding waste</li> </ol> <p><b>E. Records</b></p> <p>All Mercury spills will be documented on a “Spill Report.” The reports will be filled out and kept on file by Environmental.</p>					
<p><b>APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES</b>  PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.</p>					

 <b>ENVIRONMENTAL GUIDANCE</b>	<b>DOC NO.</b>	<b>EG-138RI</b>	<b>Rev. No.</b>	<b>2</b>
	<b>PAGE</b>	<b>4 of 4</b>		
	<b>DATE</b>	<b>02/15/11</b>		
<b>SUBJECT</b> Mercury Seal Regulators		<b>REFERENCE</b> EP No. 1 – Waste Management		

Record of Change		
Date of Review/Revision:		
Revision	Date	Description
0		New EG for Rhode Island only.
1	11/29/06	Updated.
2	02/15/11	EG revised to remove Gas Operations procedures, and clarify classifications of waste.

**APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**  
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Division 2-8

Request:

Re: pages 16 and 17, of the “Annual Environmental Report for Gas Service,” filed August 1, 2011, please provide:

- a. The average cost per MSR removal for each annual reporting period for which costs for the MSR program have been claimed.

Response:

- a. Please see the response to Divisions Request 2-6 (a).

Prepared by or under the supervision of: Michele Leone

Division 2-9

Request:

Re: page 15 of the Company's "Annual Environmental Report for Gas Service," please provide a detailed explanation of, and supporting invoices for, the referenced \$54,151 of costs for Miscellaneous MGP, Rhode Island.

Response:

The costs carried under the MGP Miscellaneous, Rhode Island project are associated with general costs and Company labor associated with the management of the gas operations Rhode Island MGP Program. These costs included under this project the following categories:

- Contract analyst support (GZA GeoEnvironmental, Inc. and ProUnlimited charges). The contract analysts assist with preparation of regulatory filings and requests; cost tracking; vendor invoice management; preparation of third party billings; document production for legal discovery; file management; and general administrative support.
- Training expenses (Tom's Catering charges). This charge is for 10% of the lunch expenses incurred during the annual Occupational Safety and Health Administration (OSHA) training of the project managers that manage the RI MGP sites. This training is required for work at hazardous waste sites. The Company used internal personnel to perform the training to limit costs.
- Electric Power Research Institute (EPRI). Participation in the EPRI's "Program 50 - MGP Site Management" provides utilities the opportunity to review the latest technologies concerning remediation of MGP sites. The information provided to EPRI members helps assist utilities in making cost-effective choices for MGP remediation.
- Company labor. The labor under this project includes internal Company project management activities that are not specific to one of the projects in the filing, such as labor associated with attending required environmental training; preparation of the annual Environmental Report for Gas Service and associated responses; program cost tracking; and overall invoice management.
- Company expense. The expenses under this project include mileage and cell phone charges for Company employees incurred during the management of the MGP projects.

The supporting invoices the costs services associated with the Miscellaneous MGP Rhode Island project are attached as Attachment DIV 2-9.

**Division Data Request 2-9**

Date	Payee	Invoice No.	Amount
07/10/10	GZA GeoEnvironmental, Inc.	628224	\$6,840.00
09/01/10	GZA GeoEnvironmental, Inc.	615231*	-\$889.66
01/28/11	GZA GeoEnvironmental, Inc.	636596	\$6,120.00
06/30/10	ProUnlimited Inc.	2586960	\$284.50
07/07/10	ProUnlimited Inc.	2592276	\$119.92
07/14/10	ProUnlimited Inc.	2596434	\$141.08
07/21/10	ProUnlimited Inc.	2601270	\$211.61
07/28/10	ProUnlimited Inc.	2606008	\$141.08
09/08/10	ProUnlimited Inc.	2630533	\$106.88
10/13/10	ProUnlimited Inc.	2652384	\$151.91
11/03/10	ProUnlimited Inc.	2670290	\$114.00
11/17/10	ProUnlimited Inc.	2680281	\$85.50
11/24/10	ProUnlimited Inc.	2685645	\$28.50
12/29/10	ProUnlimited Inc.	2711045	\$85.50
01/05/11	ProUnlimited Inc.	2715318	\$99.75
01/12/11	ProUnlimited Inc.	2719408	\$99.75
01/19/11	ProUnlimited Inc.	2724852	\$28.50
01/26/11	ProUnlimited Inc.	2728303	\$85.50
02/02/11	ProUnlimited Inc.	2733065	\$144.30
02/09/11	ProUnlimited Inc.	2737602	\$151.52
02/16/11	ProUnlimited Inc.	2742162	\$57.72
02/23/11	ProUnlimited Inc.	2746795	\$173.16
03/02/11	ProUnlimited Inc.	2750801	\$28.86
03/09/11	ProUnlimited Inc.	2755511	\$43.29
03/16/11	ProUnlimited Inc.	2760311	\$72.15
03/23/11	ProUnlimited Inc.	2764594	\$115.44
03/30/11	ProUnlimited Inc.	2768958	\$86.58
04/06/11	ProUnlimited Inc.	2773550	\$101.01
04/13/11	ProUnlimited Inc.	2778440	\$175.57
04/20/11	ProUnlimited Inc.	2782985	\$71.25
05/11/11	ProUnlimited Inc.	2797221	\$71.25
05/25/11	ProUnlimited Inc.	2806923	\$99.75
06/01/11	ProUnlimited Inc.	2812045	\$99.75
06/15/11	ProUnlimited Inc.	2821304	\$35.63
06/22/11	ProUnlimited Inc.	2826926	\$88.07
06/29/11	ProUnlimited Inc.	2831891	\$82.53
06/01/10	Tom's Catering	NG031011A	\$78.14
02/01/11	EPRI	ep00388910	\$3,035.32
	Company Labor	NA	\$32,319.45
	Company Expenses	NA	\$3,165.66

**Sum: \$54,151**

\* Credit from a mischarge in FY10



**GZA GeoEnvironmental, Inc.**  
**One Edgewater Drive**  
**Norwood, MA 02062**  
**Please remit payment to:**  
**P.O. Box 711810**  
**Cincinnati, OH 45271-1810**

July 01, 2010

Project No: 01.0170183.00

Invoice No: 0628224

Ms. Michele Leone  
 Manager, NE Site Investigation & Remediation  
 National Grid USA  
 40 Sylvan Road  
 Substation Engineering, W3.152  
 Waltham, MA 02451-1120

Project 01.0170183.00 Contract Analysis Svs

**Project Name: Various SIR Projects**  
**National Grid P.O. No. 0000102633/KSE PO No. 563727**

**Professional Services through June 25, 2010**

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Publications	152.00	45.00	6,840.00	
Totals	152.00		6,840.00	
<b>Total Labor</b>				<b>6,840.00</b>
		<b>Total this Invoice</b>		<b>\$6,840.00</b>

Project Manager Albert Ricciardelli

Project 01.0170183.00 Contract Analysis Svs

Invoice

# Billing Backup

Wednesday, September 07, 2011

GZA GeoEnvironmental, Inc.

Invoice 0628224 Dated 7/1/2010

3:57:59 PM

Project 01.0170183.00 Contract Analysis Svs

## Professional Personnel

			Hours	Rate	Amount	
Publications						
90704	Vojta, Gertraud	6/1/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/2/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/3/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/4/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/7/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/8/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/9/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/10/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/11/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/14/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/15/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/16/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/17/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/18/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/21/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/22/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/23/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/24/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	6/25/2010	8.00	45.00	360.00	
	Totals		152.00		6,840.00	
	<b>Total Labor</b>					<b>6,840.00</b>
				<b>Total this Project</b>		<b>\$6,840.00</b>
				<b>Total this Report</b>		<b>\$6,840.00</b>

**GZA**  
**GeoEnvironmental, Inc.**

*Engineers and  
Scientists*

July 9, 2009  
File No. 03.0033526.00-PC



530 Broadway  
Providence  
Rhode Island  
02909  
401-421-4140  
Fax: 401-751-8613  
<http://www.gza.com>

Ms. Mae Schuelke  
Environmental Analyst  
Environmental Department, C-1  
National Grid USA  
300 Erie Boulevard West  
Syracuse, New York 13202

Re: GZA Invoice No. 0615231  
Hamlet Avenue Gate Station Project  
Woonsocket, Rhode Island

Dear Ms. Schuelke:

The attached Invoice No. 0615231 in the amount of \$1779.33 for consulting services performed by GZA GeoEnvironmental, Inc. (GZA) associated with the Hamlet Avenue Gate Station Project in Woonsocket, Rhode Island. This represents the 1st invoice submitted in accordance with GZA's Proposal for Services dated April 23, 2009, (Purchase Order No. XXX and Work Authorization 7035-01). It covers costs accrued by GZA as of June 26, 2009.

The following summarizes the work performed by task during this reporting period. The attached Table 1 presents a breakdown of budgets, amounts billed to date, and % complete by task and budget.

Task 1.00 Health & Safety Plan

- Prepare draft Site-Specific Health and Safety Plan
- Plan provided to Client w/draft Soil Management Plan (see Task 2.00)

Task 2.00 Soil Management Plan

- Prepare draft Soil Management Plan & submit to Client for review

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National Grid USA  
File No. 33526.00

July 9, 2009  
Page 2



We appreciate the opportunity to assist National Grid with this project. If you have any questions on project costs or status, please feel free to call me at (401) 427-2726 or via email at [mclark@gza.com](mailto:mclark@gza.com).

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read 'R. Michael Clark', written in a cursive style.

R. Michael Clark  
Senior Project Manager

Attachment: Table  
GZA Invoice No. 0615231

cc: Michele Leone (National Grid)



**GZA GeoEnvironmental, Inc.**  
**530 Broadway, Providence, RI 02909**  
**p. 401-421-4140, f. 401-751-8613**  
**Please remit payment to:**  
**P.O. Box 711810**  
**Cincinnati, OH 45271-1810**

Attachment DIV 2-9  
 Docket 4269 - DAC 2011  
 September 16, 2011

**Invoice**

July 9, 2009

Miss Mae Schuelke  
 Environmental Analyst  
 National Grid USA  
 Environmental Department, C-1  
 300 Erie Boulevard West  
 Syracuse, NY 13202

Project No: 03.0033526.00  
 Invoice No: 0615231

Project 03.0033526.00 Hamlet Avenue Gate Station

**For Professional Services through June 26, 2009**

Task 0001 Health & Safety Plan

**Professional Personnel**

	Hours	Rate	Amount
	.50		0.00
SR Project Manager	5.50	138.00	759.00
Totals	6.00		759.00
<b>Total Labor</b>			<b>759.00</b>

**Total this Task \$759.00**

Task 0002 Soil Management Plan

**Professional Personnel**

	Hours	Rate	Amount
Principal	1.00	175.00	175.00
SR Project Manager	6.00	138.00	828.00
Totals	7.00		1,003.00
<b>Total Labor</b>			<b>1,003.00</b>

**Reimbursable Travel/ Expenses**

Travel			16.50
<b>Total Reimbursables</b>	<b>1.05 times</b>	<b>16.50</b>	<b>17.33</b>

**Total this Task \$1,020.33**

**Total this Invoice \$1,779.33**

Project Manager

R. Michael Clark

Invoice Content  
 Labor Rates  
 Mark-Up  
 Budget  
 Supporting Doc.  
 Mathematical Accuracy  
 Technical  
 PM

\_\_\_\_\_  
 Total this Invoice

\_\_\_\_\_  
 ✓

\_\_\_\_\_  
 ✓

\_\_\_\_\_  
 MA  
 08/01/2009

(As of June 26, 2009)

*National Grid of Rhode Island  
Hamlet Avenue Gate Station  
Woonsocket, Rhode Island*

Task	Description	Budget	Current Invoice (# 0615231) 4/28/09 to 6/26/09	Previously Invoiced	Total Billed To Date	Budget Remaining	% Used Current Budget	% Complete Task
1.00	Health & Safety Plan	\$881.00	\$776.33	\$0.00	\$776.33	\$104.67	88%	95%
2.00	Soil Management Plan	\$881.00	\$1,003.00	\$0.00	\$1,003.00	-\$122.00	114%	95%
3.00	Field Observations	\$7,652.00	\$0.00	\$0.00	\$0.00	\$7,652.00	0%	0%
4.00	Letter Report	\$1,370.00	\$0.00	\$0.00	\$0.00	\$1,370.00	0%	0%
<b>Totals</b>		<b>\$10,784.00</b>	<b>\$1,779.33</b>	<b>\$0.00</b>	<b>\$1,779.33</b>	<b>\$9,004.67</b>	<b>16%</b>	

Notes:

1. Invoice submitted in accordance with GZA's Proposals for Services dated April 23, 2009 & Work Authorization Form 7035-01



**GZA GeoEnvironmental, Inc.**  
**One Edgewater Drive**  
**Norwood, MA 02062**  
**Please remit payment to:**  
**P.O. Box 711810**  
**Cincinnati, OH 45271-1810**

January 28, 2011

Project No: 01.0170183.00

Invoice No: 0636596

Ms. Michele Leone  
 Manager, NE Site Investigation &  
 Remediation  
 National Grid USA  
 40 Sylvan Road, E3.724  
 Waltham, MA 02451-1120

Project 01.0170183.00 Contract Analysis Svs

**Project Name: Various SIR Projects**  
**National Grid P.O. No. 0000102633/KSE PO No. 563727**

**Professional Services through January 21, 2011**

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>
Publications	136.00	45.00	6,120.00
Totals	136.00		6,120.00
<b>Total Labor</b>			<b>6,120.00</b>
		<b>Total this Invoice</b>	<b>\$6,120.00</b>

Project Manager Albert Ricciardelli

*OK to pay  
 Michele J  
 02/04/2011*

*11*

*CO: 48  
 WO: 993 0000 476  
 DTE 8*

Project 01.0170183.00 Contract Analysis Svs

Invoice

# Billing Backup

Friday, January 28, 2011

GZA GeoEnvironmental, Inc.

Invoice 0636596 Dated 1/28/2011

7:51:24 AM

Project 01.0170183.00 Contract Analysis Svs

## Professional Personnel

			Hours	Rate	Amount	
Publications						
90704	Vojta, Gertraud	12/27/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	12/29/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	12/30/2010	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/3/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/4/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/5/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/6/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/7/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/11/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/12/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/13/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/14/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/17/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/18/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/19/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/20/2011	8.00	45.00	360.00	
90704	Vojta, Gertraud	1/21/2011	8.00	45.00	360.00	
Totals			136.00		6,120.00	
<b>Total Labor</b>						<b>6,120.00</b>
					<b>Total this Project</b>	<b>\$6,120.00</b>
					<b>Total this Report</b>	<b>\$6,120.00</b>



PRO Unlimited, Inc

Time Card #	Amount	Invoice #	Invoice Date	Contractor Name
3977924	\$ 284.50	2586960	06/30/2010	Carleen Crummett
3984808	\$ 119.92	2592276	07/07/2010	Carleen Crummett
3991631	\$ 141.08	2596434	07/14/2010	Carleen Crummett
3999028	\$ 211.61	2601270	07/21/2010	Carleen Crummett
4005791	\$ 141.08	2606008	07/28/2010	Carleen Crummett
4040578	\$ 106.88	2630533	09/08/2010	Lauren Donovan
4074590	\$ 151.91	2652384	10/13/2010	Lauren Donovan
4094139	\$ 114.00	2670290	11/03/2010	Lauren Donovan
4105833	\$ 85.50	2680281	11/17/2010	Lauren Donovan
4111783	\$ 28.50	2685645	11/24/2010	Lauren Donovan
4139603	\$ 85.50	2711045	12/29/2010	Lauren Donovan
4144387	\$ 99.75	2715318	01/05/2011	Lauren Donovan
4148482	\$ 99.75	2719408	01/12/2011	Lauren Donovan
4153025	\$ 28.50	2724852	01/19/2011	Lauren Donovan
4157931	\$ 85.50	2728303	01/26/2011	Lauren Donovan
4163047	\$ 144.30	2733065	02/02/2011	Lauren Donovan
4168080	\$ 151.52	2737602	02/09/2011	Lauren Donovan
4174110	\$ 57.72	2742162	02/16/2011	Lauren Donovan
4177252	\$ 173.16	2746795	02/23/2011	Lauren Donovan
4180156	\$ 28.86	2750801	03/02/2011	Lauren Donovan
4183034	\$ 43.29	2755511	03/09/2011	Lauren Donovan
4185884	\$ 72.15	2760311	03/16/2011	Lauren Donovan
4188771	\$ 115.44	2764594	03/23/2011	Lauren Donovan
4191329	\$ 86.58	2768958	03/30/2011	Lauren Donovan
4194116	\$ 101.01	2773550	04/06/2011	Lauren Donovan
4196816	\$ 175.57	2778440	04/13/2011	Lauren Donovan
4199487	\$ 71.25	2782985	04/20/2011	Lauren Donovan
4207030	\$ 71.25	2797221	05/11/2011	Lauren Donovan
4212371	\$ 99.75	2806923	05/25/2011	Lauren Donovan
4214890	\$ 99.75	2812045	06/01/2011	Lauren Donovan
4220020	\$ 35.63	2821304	06/15/2011	Lauren Donovan
4222845	\$ 88.07	2826926	06/22/2011	Lauren Donovan
4225494	\$ 82.53	2831891	06/29/2011	Lauren Donovan

# TOM'S MARKET

*Catering*

*Fresh. Local  
Exceptional*

821 TIOGUE AVENUE  
COVENTRY, RHODE ISLAND 02816  
TELEPHONE 401.826.0050 - FACSIMILE 401.826.0051

172 BELLEVUE AVENUE, SUITE 203  
NEWPORT, RHODE ISLAND 02840  
TELEPHONE 401.225.7712

National Grid / Bill Howard  
Accounts Payable  
300 Erie Boulevard West  
Syracuse, New York 13202-0000

March 10, 2011  
Meirose Platform  
Auditorium

### Menu

#### Breakfast

Assorted Fresh Baked Breakfast Pastry  
Seasonal Fruit Salad  
Individual Yogurt  
Assorted Juice and Bottled Water  
Coffee Service

#### Lunch Menu

2 Individual Salads with Sliced Grilled Chicken and Honey Balsamic Dressing  
Vegetable Lo Mein Salad  
Sweet and Sour Chicken  
Mini Eggrolls  
Crab Rangoons  
Fortune Cookies  
Assorted Soda and Bottled Water

*Includes disposable supplies, buffet linens, and delivery*

\$723.50

\$7.24 Rhode Island Food and Beverage Tax  
\$50.65 Rhode Island Sales Tax

\$781.39 Total

Inv# NG031011A

PO#0000032922

*Full Service Catering*

WEDDINGS CHRISTENINGS CONFIRMATIONS GRADUATIONS BUSINESS EVENT PLANNING BAR/BAT MITZVAHS FUNERAL COLLATION

[www.tomsmarketcatering.com](http://www.tomsmarketcatering.com)

Accounts Payable  
MAR 29 2011  
Received

*Lunch at required  
OSHA training  
10% to 00048/  
9930000476*



**INVOICE**

Invoice: **EPRI 389104**  
Invoice Date: **February 2, 2011**  
Page: **1 of 1**

Customer No: 206221  
Payment Terms: Net 30  
Due Date: March 4, 2011  
Customer Ref:

Customer: National Grid UK, Ltd.  
Edward Neuhauser  
300 Erie Blvd West  
Syracuse NY 13202  
United States

**AMOUNT DUE: 117,648.00 USD**

For billing questions, please call: 650-855-2236

Original

Description	Net Amount
Annual Research Portfolio - P50	117,648.00
	<b>117,648.00 USD</b>

Please wire funds to:  
Bank of America, New York, NY  
ABA# 026009593  
Acct. No.: 1233954313  
SWIFT Address: BOFAUS3N

Please remit check to:  
EPRI  
13014 Collections Center Drive  
Chicago IL 60693  
United States

Tax I.D. # 23-7175375  
EPRI is a non-profit United States Corporation.  
Please include an invoice copy with your remittance.

Check Date: 3/2/2011

National Grid USA Service Company, Inc.

Invoice Number	Invoice Date	P.O. ID	Gross Amount	Discount Taken	Paid Amount
ep00388910	2/2/2011		117,648.00	0.00	117,648.00

  

Vendor Number	Vendor Name	Total Discounts
0000005857	EPRI	\$0.00

  

Check Number	Date	Total Amount	Discounts Taken	Total Paid Amount
9900214435	3/2/2011	\$117,648.00	\$0.00	\$117,648.00

*OK*  
*Mailed*  
*3-3-11*

DOCUMENT IS PRINTED ON CHEMICALLY REACTIVE PAPER. THE BACK OF THIS DOCUMENT INCLUDES A CHEMICAL WASH WARNING BOX.

National Grid USA Service Company, Inc.

300 Erie Boulevard West  
 Syracuse, NY 13202-4250

BANK OF AMERICA

9900214435

52-153-112

Date 3/2/2011

Pay Amount \$117,648.00\*\*\*

Pay \*\*\*\*ONE HUNDRED SEVENTEEN THOUSAND SIX HUNDRED FORTY-EIGHT AND XX / 100 DOLLAR\*\*\*\*

To  
 The  
 Order  
 Of  
 EPRI  
 13014 COLLECTIONS CENTER DRIVE  
 CHICAGO, IL 60693

*Lorraine H. Lynch*  
 Authorized Signature

Void After 120 Days

Bus. Unit	Activity	Work Order	Expense type	Orig Dept.	Charge Dept.	Bill Pool	Orig. Bus Unit	Amount
00001	253006	9930000476	400	38320	38320		00001	✓ \$329.41
00005	253006	9930000476	400	38320	38320		00005	✓ \$6,753.00
00010	253006	9930000476	400	38320	38320		00010	✓ \$352.94
00048	253006	9930000476	400	38320	38320		00048	✓ \$3,035.32
00049	253006	9930000476	400	38320	38320		00049	✓ \$2,117.66
00036	AG0110	9000027222	400	38360	38360	000100	00036	✓ \$25,870.80
01401	253006	9930000476	400	38320	38320		01401	✓ \$2,129.43
01402	253006	9930000476	400	38320	38320		01402	✓ \$400.00
01403	253006	9930000476	400	38320	38320		01403	✓ \$211.77
01406	253006	9930000476	400	38320	38320		01406	✓ \$1,858.84
01437	253006	9930000476	400	38320	38320		01437	✓ \$36,600.29
01438	253006	9930000476	400	38320	38320		01438	✓ \$37,988.54
								<b>\$117,648.00</b>

Division 2-10

Request:

Re: Weather Normalization Factor found on Attachment NG-JFN-8 Page 1, please provide:

- a. Document the derivation of the degree day data used for each month and the source of that data;
- b. Verify the base temperature used in the computation of measures of degree day employed;

Response:

- a. The Normal Heating Degree Days come from the most recent approved rate case Docket 3943, Attachment NG-PCC-1, Page 1 of 13. The Actual Heating Degree Days come from the publication by National Oceanic and Atmospheric Administration. Attachment DIV 2-10 shows the daily actual heating degree day information from November 1, 2010 to March 31, 2011.
- b. The Heating Degree Day is the difference between the average daily temperature and the 65 degrees Fahrenheit at the Theodore Green State Airport, published by National Oceanic and Atmospheric Administration.

Prepared by or under the supervision of: John F. Nestor, III and Yi-An Chen

## Actual Heating Degree Days

Day	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11
1	23	14	23	45	31
2	24	26	22	37	29
3	25	28	35	45	43
4	19	29	35	42	38
5	11	34	33	33	20
6	17	36	40	27	11
7	22	34	36	32	24
8	23	38	34	37	29
9	13	43	35	44	30
10	18	45	36	45	24
11	19	29	39	47	20
12	14	24	36	40	20
13	12	21	40	34	21
14	18	39	46	20	30
15	14	45	45	36	30
16	13	39	38	37	24
17	8	39	47	24	21
18	17	36	36	18	8
19	27	36	28	33	23
20	24	36	35	38	28
21	28	31	39	41	29
22	16	28	47	39	24
23	10	30	52	34	28
24	22	32	58	36	29
25	30	38	43	24	29
26	23	39	42	32	33
27	29	39	37	35	30
28	29	39	41	27	27
29	27	35	35		25
30	27	33	38		23
31		28	44		25
Total	602	1043	1195	982	806

Division 2-11

Request:

Re: Attachment NG-JFN-4, page 1 of 3, please provide the source document(s) and all supporting workpapers in electronic spreadsheet format (with all cell references and formulae in tact) for the Firm Thru-put figure shown on line 14.

Response:

Please see Attachment DIV 2-11-1 and Attachment DIV 2-11-2.

Prepared by or under the supervision of: John F. Nestor, III and A. Leo Silverstrini

Rhode Island  
Load Forecast: Sales  
Therms

OK

		FY 0														FY 1	
		Peak	Peak	Peak	Peak	Off Peak	Off Peak	Off Peak	Off Peak	Off Peak	Off Peak	Peak	Peak	Peak	Peak	Peak	Peak
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12
1012 (1012) (1101)	Peak Customers	27,502	27,417	27,346	27,280							27,058	26,932	26,879	26,780	26,626	26,449
	Volumes	773,148	816,539	660,507	552,423							487,872	573,587	749,081	724,273	620,467	529,230
	Off Peak Customers					27,230	27,198	27,185	27,167	27,143	27,105						
	Volumes					449,022	373,622	318,233	292,329	299,754	330,285						
Total	Customers	27,502	27,417	27,346	27,280	27,230	27,198	27,185	27,167	27,143	27,105	27,058	26,932	26,879	26,780	26,626	26,449
	Volumes	773,148	816,539	660,507	552,423	449,022	373,622	318,233	292,329	299,754	330,285	487,872	573,587	749,081	724,273	620,467	529,230
1247 (1247) (1301)	Peak Customers	200,580	200,609	200,644	199,635							199,644	201,101	201,827	201,976	202,108	201,170
	Volumes	33,697,342	32,668,761	24,799,150	16,025,320							10,285,936	22,841,308	34,455,970	33,659,216	25,117,067	17,051,178
	Off Peak Customers					198,403	197,072	196,336	195,859	196,157	197,594						
	Volumes					10,729,334	4,966,308	3,524,888	3,627,125	3,603,038	4,321,524						
Total	Customers	200,580	200,609	200,644	199,635	198,403	197,072	196,336	195,859	196,157	197,594	199,644	201,101	201,827	201,976	202,108	201,170
	Volumes	33,697,342	32,668,761	24,799,150	16,025,320	10,729,334	4,966,308	3,524,888	3,627,125	3,603,038	4,321,524	10,285,936	22,841,308	34,455,970	33,659,216	25,117,067	17,051,178
2107	Peak Customers	18,819	18,737	18,598	18,471							18,472	18,657	18,719	18,737	18,588	18,464
	Volumes	4,931,334	4,572,224	4,001,971	2,488,260							1,541,339	3,061,736	4,910,704	4,786,717	4,070,114	2,526,243
	Off Peak Customers					18,280	18,093	17,964	17,895	17,998	18,205						
	Volumes					1,206,923	515,101	433,325	377,605	505,636	802,068						
Total	Customers	18,819	18,737	18,598	18,471	18,280	18,093	17,964	17,895	17,998	18,205	18,472	18,657	18,719	18,737	18,588	18,464
	Volumes	4,931,334	4,572,224	4,001,971	2,488,260	1,206,923	515,101	433,325	377,605	505,636	802,068	1,541,339	3,061,736	4,910,704	4,786,717	4,070,114	2,526,243
2237 (2237) (2231)	Peak Customers	2,943	2,930	2,919	2,908							2,863	2,859	2,855	2,851	2,848	2,846
	Volumes	6,970,899	5,935,614	4,912,419	2,160,651							2,087,251	3,931,283	6,746,304	6,371,111	5,061,714	2,214,828
	Off Peak Customers					2,899	2,890	2,883	2,876	2,871	2,866						
	Volumes					1,428,559	631,508	915,557	607,049	866,576	1,104,413						
Total	Customers	2,943	2,930	2,919	2,908	2,899	2,890	2,883	2,876	2,871	2,866	2,863	2,859	2,855	2,851	2,848	2,846
	Volumes	6,970,899	5,935,614	4,912,419	2,160,651	1,428,559	631,508	915,557	607,049	866,576	1,104,413	2,087,251	3,931,283	6,746,304	6,371,111	5,061,714	2,214,828
2367 (2367) (2331)	Peak Customers	47	46	47	46							47	47	47	46	46	46
	Volumes	313,489	318,285	308,887	246,941							223,966	274,052	324,785	288,345	279,598	254,225
	Off Peak Customers					46	45	45	45	46	46						
	Volumes					205,875	171,923	154,200	160,743	160,979	168,697						
Total	Customers	47	46	47	46	46	45	45	45	46	46	47	47	47	46	46	46
	Volumes	313,489	318,285	308,887	246,941	205,875	171,923	154,200	160,743	160,979	168,697	223,966	274,052	324,785	288,345	279,598	254,225
2496	Peak Customers	6	6	6	6							6	6	6	6	6	6
	Volumes	167,149	227,544	168,238	145,926							144,601	163,393	174,951	192,715	139,612	153,112
	Off Peak Customers					6	6	6	6	6	6						
	Volumes					136,495	136,434	125,162	128,299	119,960	120,322						
Total	Customers	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Volumes	167,149	227,544	168,238	145,926	136,495	136,434	125,162	128,299	119,960	120,322	144,601	163,393	174,951	192,715	139,612	153,112

Rhode Island  
Load Forecast: Sales  
Therms

OK

		FY 0												FY 1				
		Peak Jan-11	Peak Feb-11	Peak Mar-11	Peak Apr-11	Off Peak May-11	Off Peak Jun-11	Off Peak Jul-11	Off Peak Aug-11	Off Peak Sep-11	Off Peak Oct-11	Peak Nov-11	Peak Dec-11	Peak Jan-12	Peak Feb-12	Peak Mar-12	Peak Apr-12	
3367 (3367) (3331)	Peak Customers	126	126	127	126								127	127	126	126	126	126
	Peak Volumes	1,141,352	1,176,233	1,090,038	853,699								504,253	817,981	1,147,452	1,215,401	1,101,548	865,481
	Off Peak Customers					126	126	126	126	126	126	126						
	Off Peak Volumes					333,277	117,340	44,038	43,232	106,614	221,801							
	Total Customers	126	126	127	126	126	126	126	126	126	126	127	127	126	126	126	126	126
	Total Volumes	1,141,352	1,176,233	1,090,038	853,699	333,277	117,340	44,038	43,232	106,614	221,801	504,253	817,981	1,147,452	1,215,401	1,101,548	865,481	
3496	Peak Customers	2	2	2	2							2	2	2	2	2	2	2
	Peak Volumes	102,527	77,287	65,637	22,782							24,278	52,678	104,069	90,368	73,315	25,508	
	Off Peak Customers					2	2	2	2	2	2							
	Off Peak Volumes					13,673	4,989	9,840	3,362	6,892	4,300							
	Total Customers	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Total Volumes	102,527	77,287	65,637	22,782	13,673	4,989	9,840	3,362	6,892	4,300	24,278	52,678	104,069	90,368	73,315	25,508	
<b>Total Sales Customers</b>		<b>250,025</b>	<b>249,873</b>	<b>249,689</b>	<b>248,474</b>	<b>246,992</b>	<b>245,432</b>	<b>244,547</b>	<b>243,976</b>	<b>244,349</b>	<b>245,950</b>	<b>248,219</b>	<b>249,731</b>	<b>250,461</b>	<b>250,524</b>	<b>250,350</b>	<b>249,109</b>	
<b>Total Sales Volumes</b>		<b>48,097,239</b>	<b>45,792,486</b>	<b>36,006,846</b>	<b>22,496,002</b>	<b>14,503,158</b>	<b>6,917,224</b>	<b>5,525,244</b>	<b>5,239,743</b>	<b>5,669,449</b>	<b>7,073,410</b>	<b>15,299,497</b>	<b>31,716,018</b>	<b>48,613,315</b>	<b>47,328,146</b>	<b>36,463,435</b>	<b>23,619,803</b>	

Off Peak May-12	Off Peak Jun-12	Off Peak Jul-12	Off Peak Aug-12	Off Peak Sep-12	Off Peak Oct-12	Peak Nov-12	Peak Dec-12	Peak Jan-13	Peak Feb-13	Peak Mar-13	FY 2 Peak Apr-13	Off Peak May-13	Off Peak Jun-13	Off Peak Jul-13	Off Peak Aug-13	Off Peak Sep-13	Off Peak Oct-13	Peak Nov-13
						26,116	25,982	25,946	25,875	25,752	25,578							25,201
						438,717	550,164	707,929	700,254	603,326	517,723							421,961
26,317	26,194	26,191	26,185	26,174	26,153							25,420	25,322	25,245	25,243	25,238	25,228	
439,279	357,644	318,039	287,443	285,295	351,429							425,357	351,957	309,766	275,805	289,665	324,956	
26,317	26,194	26,191	26,185	26,174	26,153	26,116	25,982	25,946	25,875	25,752	25,578	25,420	25,322	25,245	25,243	25,238	25,228	25,201
439,279	357,644	318,039	287,443	285,295	351,429	438,717	550,164	707,929	700,254	603,326	517,723	425,357	351,957	309,766	275,805	289,665	324,956	421,961
						201,380	202,845	203,578	203,733	203,864	202,930						5,495,618	203,151
						10,481,134	22,572,264	34,842,867	33,768,224	25,229,157	16,730,286							10,037,596
199,992	198,704	198,001	197,549	197,868	199,319							201,755	200,469	199,768	199,318	199,639	201,091	
10,815,959	4,734,913	4,228,474	3,623,674	3,451,155	4,099,661							9,623,630	4,584,345	3,817,856	3,008,983	3,215,707	3,840,880	
199,992	198,704	198,001	197,549	197,868	199,319	201,380	202,845	203,578	203,733	203,864	202,930	201,755	200,469	199,768	199,318	199,639	201,091	203,151
10,815,959	4,734,913	4,228,474	3,623,674	3,451,155	4,099,661	10,481,134	22,572,264	34,842,867	33,768,224	25,229,157	16,730,286	9,623,630	4,584,345	3,817,856	3,008,983	3,215,707	3,840,880	10,037,596
						18,466	18,656	18,719	18,731	18,585	18,454						171,715,333	18,450
						1,595,630	3,097,676	4,893,863	4,769,238	4,070,054	2,546,574							1,601,490
18,271	18,084	17,953	17,884	17,990	18,204							18,264	18,077	17,952	17,884	17,992	18,205	
1,220,966	476,312	422,152	345,392	492,633	804,870							1,222,261	459,965	413,846	317,964	476,886	787,597	
18,271	18,084	17,953	17,884	17,990	18,204	18,466	18,656	18,719	18,731	18,585	18,454	18,264	18,077	17,952	17,884	17,992	18,205	18,450
1,220,966	476,312	422,152	345,392	492,633	804,870	1,595,630	3,097,676	4,893,863	4,769,238	4,070,054	2,546,574	1,222,261	459,965	413,846	317,964	476,886	787,597	1,601,490
						2,838	2,837	2,836	2,835	2,834	2,833						24,651,554	2,833
						2,305,150	4,054,119	6,734,887	6,794,478	5,145,658	2,366,695							2,384,352
2,844	2,842	2,840	2,839	2,838	2,838							2,832	2,832	2,831	2,831	2,832	2,832	
1,397,560	361,852	793,494	387,352	749,518	1,063,908							1,419,376	275,466	740,866	240,363	666,812	991,022	
2,844	2,842	2,840	2,839	2,838	2,838	2,838	2,837	2,836	2,835	2,834	2,833	2,832	2,832	2,831	2,831	2,832	2,832	2,833
1,397,560	361,852	793,494	387,352	749,518	1,063,908	2,305,150	4,054,119	6,734,887	6,794,478	5,145,658	2,366,695	1,419,376	275,466	740,866	240,363	666,812	991,022	2,384,352
						47	47	47	46	46	46						31,734,892	47
						231,095	272,829	321,701	288,968	303,651	261,186							236,140
45	45	45	45	45	46							45	45	45	45	45	46	
209,381	174,889	171,104	154,197	157,406	206,019							211,681	179,235	153,536	136,416	178,733	200,642	
45	45	45	45	45	46	47	47	47	46	46	46	45	45	45	45	45	46	47
209,381	174,889	171,104	154,197	157,406	206,019	231,095	272,829	321,701	288,968	303,651	261,186	211,681	179,235	153,536	136,416	178,733	200,642	236,140
						6	6	6	6	6	6						6	6
						149,202	158,320	173,106	198,801	165,276	162,172							156,026
6	6	6	6	6	6							6	6	6	6	6	6	
139,586	138,676	141,112	120,491	115,156	156,055							143,978	145,149	125,597	104,690	139,189	152,880	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
139,586	138,676	141,112	120,491	115,156	156,055	149,202	158,320	173,106	198,801	165,276	162,172	143,978	145,149	125,597	104,690	139,189	152,880	156,026

Off Peak May-12	Off Peak Jun-12	Off Peak Jul-12	Off Peak Aug-12	Off Peak Sep-12	Off Peak Oct-12	Peak Nov-12	Peak Dec-12	Peak Jan-13	Peak Feb-13	Peak Mar-13	FY 2 Peak Apr-13	Off Peak May-13	Off Peak Jun-13	Off Peak Jul-13	Off Peak Aug-13	Off Peak Sep-13	Off Peak Oct-13	Peak Nov-13
						127	127	126	126	126	126							126
						527,330	841,444	1,205,736	1,251,223	1,160,225	916,514							561,681
126	126	126	126	126	126							126	126	126	126	126	126	126
347,672	130,669	60,894	60,330	125,041	242,552							381,368	155,306	83,511	81,346	147,101	268,137	
126	126	126	126	126	126	127	127	126	126	126	126	126	126	126	126	126	126	126
347,672	130,669	60,894	60,330	125,041	242,552	527,330	841,444	1,205,736	1,251,223	1,160,225	916,514	381,368	155,306	83,511	81,346	147,101	268,137	561,681
						2	2	2	2	2	2							2
						27,965	55,187	101,498	97,367	72,694	26,039							28,474
2	2	2	2	2	2							2	2	2	2	2	2	2
12,017	0	4,350	0	1,508	766							9,467	0	462	0	0	0	0
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12,017	0	4,350	0	1,508	766	27,965	55,187	101,498	97,367	72,694	26,039	9,467	0	462	0	0	0	28,474
<b>247,603</b>	<b>246,003</b>	<b>245,164</b>	<b>244,636</b>	<b>245,049</b>	<b>246,694</b>	<b>248,982</b>	<b>250,502</b>	<b>251,260</b>	<b>251,354</b>	<b>251,215</b>	<b>249,975</b>	<b>248,450</b>	<b>246,879</b>	<b>245,975</b>	<b>245,455</b>	<b>245,880</b>	<b>247,536</b>	<b>249,816</b>
<b>14,582,422</b>	<b>6,374,955</b>	<b>6,139,619</b>	<b>4,978,880</b>	<b>5,377,714</b>	<b>6,925,260</b>	<b>15,756,221</b>	<b>31,602,002</b>	<b>48,981,589</b>	<b>47,868,553</b>	<b>36,750,042</b>	<b>23,527,188</b>	<b>13,437,119</b>	<b>6,151,423</b>	<b>5,645,442</b>	<b>4,165,567</b>	<b>5,114,091</b>	<b>6,566,114</b>	<b>15,427,721</b>

Peak Dec-13	Peak Jan-14	Peak Feb-14	Peak Mar-14	FY 3 Peak Apr-14	Off Peak May-14	Off Peak Jun-14	Off Peak Jul-14	Off Peak Aug-14	Off Peak Sep-14	Off Peak Oct-14	Peak Nov-14	Peak Dec-14	Peak Jan-15	Peak Feb-15	Peak Mar-15	FY 4 Peak Apr-15	Off Peak May-15	Off Peak Jun-15	Off Peak Jul-15
25,152	25,026	24,975	24,882	24,725							24,287	24,244	24,104	24,066	23,999	23,867			
525,881	682,633	676,903	585,180	500,659							403,559	506,774	658,100	653,435	564,634	484,434			
					24,550	24,421	24,308	24,308	24,307	24,306							23,695	23,538	23,447
					413,384	340,812	297,605	271,902	272,795	312,338							399,662	328,248	289,880
25,152	25,026	24,975	24,882	24,725	24,550	24,421	24,308	24,308	24,307	24,306	24,287	24,244	24,104	24,066	23,999	23,867	23,695	23,538	23,447
525,881	682,633	676,903	585,180	500,659	413,384	340,812	297,605	271,902	272,795	312,338	403,559	506,774	658,100	653,435	564,634	484,434	399,662	328,248	289,880
204,613	205,347	205,503	205,633	204,699							204,921	206,382	207,115	207,272	207,401	206,469			
22,569,669	35,218,047	33,488,405	25,174,903	16,216,124							10,019,531	22,968,319	35,262,006	33,572,374	25,362,902	16,143,798			
					203,524	202,239	201,540	201,089	201,412	202,862							205,293	204,009	203,310
					9,350,590	4,425,633	3,123,716	2,926,718	3,101,454	3,634,620							9,743,355	4,381,999	3,272,388
204,613	205,347	205,503	205,633	204,699	203,524	202,239	201,540	201,089	201,412	202,862	204,921	206,382	207,115	207,272	207,401	206,469	205,293	204,009	203,310
22,569,669	35,218,047	33,488,405	25,174,903	16,216,124	9,350,590	4,425,633	3,123,716	2,926,718	3,101,454	3,634,620	10,019,531	22,968,319	35,262,006	33,572,374	25,362,902	16,143,798	9,743,355	4,381,999	3,272,388
18,636	18,709	18,717	18,568	18,425							18,407	18,594	18,678	18,684	18,551	18,361			
3,108,682	5,016,913	4,917,406	4,176,430	2,640,118							1,635,188	3,151,876	5,000,529	4,916,043	4,169,071	2,645,911			
					18,232	18,044	17,919	17,850	17,970	18,192							18,188	18,004	17,876
					1,258,489	476,833	420,871	313,596	478,893	791,855							1,259,028	485,807	420,898
18,636	18,709	18,717	18,568	18,425	18,232	18,044	17,919	17,850	17,970	18,192	18,407	18,594	18,678	18,684	18,551	18,361	18,188	18,004	17,876
3,108,682	5,016,913	4,917,406	4,176,430	2,640,118	1,258,489	476,833	420,871	313,596	478,893	791,855	1,635,188	3,151,876	5,000,529	4,916,043	4,169,071	2,645,911	1,259,028	485,807	420,898
2,832	2,832	2,831	2,831	2,830							2,831	2,831	2,831	2,830	2,830	2,829			
4,054,121	6,573,072	6,802,777	5,029,986	2,390,311							2,328,724	3,936,240	6,581,873	6,889,992	5,058,088	2,488,833			
					2,830	2,829	2,829	2,829	2,830	2,831							2,829	2,828	2,828
					1,397,934	264,688	707,580	149,015	592,179	880,524							1,418,842	306,599	698,216
2,832	2,832	2,831	2,831	2,830	2,830	2,829	2,829	2,829	2,830	2,831	2,831	2,831	2,831	2,830	2,830	2,829	2,829	2,828	2,828
4,054,121	6,573,072	6,802,777	5,029,986	2,390,311	1,397,934	264,688	707,580	149,015	592,179	880,524	2,328,724	3,936,240	6,581,873	6,889,992	5,058,088	2,488,833	1,418,842	306,599	698,216
47	47	46	46	46							47	48	47	46	46	45			
285,760	328,300	314,972	312,871	260,647							245,144	281,862	336,814	311,324	305,347	265,855			
					45	44	45	45	45	46							45	44	44
					216,362	169,083	142,469	155,601	171,644	195,339							214,025	165,238	156,246
47	47	46	46	46	45	44	45	45	45	46	47	48	47	46	46	45	45	44	44
285,760	328,300	314,972	312,871	260,647	216,362	169,083	142,469	155,601	171,644	195,339	245,144	281,862	336,814	311,324	305,347	265,855	214,025	165,238	156,246
6	6	6	6	6							6	6	6	6	6	6			
170,504	168,650	216,858	164,464	154,129							158,832	158,345	176,413	213,429	156,689	161,153			
					6	6	6	6	6	6							6	6	6
					143,322	131,753	111,970	121,008	129,033	143,209							141,645	128,987	126,762
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
170,504	168,650	216,858	164,464	154,129	143,322	131,753	111,970	121,008	129,033	143,209	158,832	158,345	176,413	213,429	156,689	161,153	141,645	128,987	126,762

Peak Dec-13	Peak Jan-14	Peak Feb-14	Peak Mar-14	FY 3 Peak Apr-14	Off Peak May-14	Off Peak Jun-14	Off Peak Jul-14	Off Peak Aug-14	Off Peak Sep-14	Off Peak Oct-14	Peak Nov-14	Peak Dec-14	Peak Jan-15	Peak Feb-15	Peak Mar-15	FY 4 Peak Apr-15	Off Peak May-15	Off Peak Jun-15	Off Peak Jul-15
127	126	126	126	126							126	127	126	126	126	126			
895,102	1,309,625	1,357,478	1,262,357	1,003,624							626,598	974,547	1,355,756	1,402,798	1,308,597	1,045,033			
					126	126	126	126	126	126							126	126	126
					429,209	186,963	110,644	108,991	179,620	311,040							462,580	215,783	138,176
127	126	126	126	126	126	126	126	126	126	126	126	127	126	126	126	126	126	126	126
895,102	1,309,625	1,357,478	1,262,357	1,003,624	429,209	186,963	110,644	108,991	179,620	311,040	626,598	974,547	1,355,756	1,402,798	1,308,597	1,045,033	462,580	215,783	138,176
2	2	2	2	2							2	2	2	2	2	2			
54,064	98,988	97,948	71,634	26,932							28,276	53,192	102,881	103,187	75,978	31,307			
					2	2	2	2	2	2							2	2	2
					8,255	0	0	0	0	0							9,763	0	0
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
54,064	98,988	97,948	71,634	26,932	8,255	0	0	0	0	0	28,276	53,192	102,881	103,187	75,978	31,307	9,763	0	0
<b>251,415</b>	<b>252,095</b>	<b>252,206</b>	<b>252,094</b>	<b>250,859</b>	<b>249,315</b>	<b>247,711</b>	<b>246,775</b>	<b>246,255</b>	<b>246,698</b>	<b>248,371</b>	<b>250,627</b>	<b>252,234</b>	<b>252,909</b>	<b>253,032</b>	<b>252,961</b>	<b>251,705</b>	<b>250,184</b>	<b>248,557</b>	<b>247,639</b>
<b>31,663,782</b>	<b>49,396,228</b>	<b>47,872,748</b>	<b>36,777,826</b>	<b>23,192,544</b>	<b>13,217,544</b>	<b>5,995,766</b>	<b>4,914,855</b>	<b>4,046,832</b>	<b>4,925,618</b>	<b>6,268,924</b>	<b>15,445,851</b>	<b>32,031,155</b>	<b>49,474,373</b>	<b>48,062,582</b>	<b>37,001,306</b>	<b>23,266,325</b>	<b>13,648,899</b>	<b>6,012,661</b>	<b>5,102,566</b>

Off Peak Aug-15	Off Peak Sep-15	Off Peak Oct-15	Peak Nov-15	Peak Dec-15	Peak Jan-16	Peak Feb-16	Peak Mar-16	FY 5 Peak Apr-16	Off Peak May-16	Off Peak Jun-16	Off Peak Jul-16	Off Peak Aug-16	Off Peak Sep-16	Off Peak Oct-16	Peak Nov-16	Peak Dec-16	Peak Jan-17	Peak Feb-17	Peak Mar-17
			23,370	23,335	23,278	23,150	23,103	23,001							22,448	22,424	22,371	22,229	22,195
			388,366	488,063	636,095	628,599	544,057	467,147							373,161	469,216	611,471	604,059	522,795
23,373	23,374	23,378							22,844	22,670	22,548	22,437	22,440	22,448					
258,835	262,068	299,143							385,281	317,408	277,719	248,401	251,086	287,275					
23,373	23,374	23,378	23,370	23,335	23,278	23,150	23,103	23,001	22,844	22,670	22,548	22,437	22,440	22,448	22,448	22,424	22,371	22,229	22,195
258,835	262,068	299,143	388,366	488,063	636,095	628,599	544,057	467,147	385,281	317,408	277,719	248,401	251,086	287,275	373,161	469,216	611,471	604,059	522,795
			206,693	208,152	208,883	209,042	209,175	208,242							208,469	209,926	210,657	210,812	210,944
			10,464,296	23,250,933	35,499,195	34,185,694	25,593,777	16,492,754							10,659,149	23,418,060	36,003,765	34,609,478	25,768,755
202,860	203,185	204,636							207,067	205,785	205,086	204,642	204,964	206,415					
3,261,084	3,168,032	3,925,031							10,115,595	4,531,441	3,767,606	3,460,955	3,423,104	4,279,597					
202,860	203,185	204,636	206,693	208,152	208,883	209,042	209,175	208,242	207,067	205,785	205,086	204,642	204,964	206,415	208,469	209,926	210,657	210,812	210,944
3,261,084	3,168,032	3,925,031	10,464,296	23,250,933	35,499,195	34,185,694	25,593,777	16,492,754	10,115,595	4,531,441	3,767,606	3,460,955	3,423,104	4,279,597	10,659,149	23,418,060	36,003,765	34,609,478	25,768,755
			18,364	18,551	18,643	18,657	18,523	18,329							18,327	18,510	18,617	18,569	18,513
			1,627,756	3,133,515	4,976,828	4,967,190	4,153,112	2,649,526							1,619,481	3,113,569	4,941,976	4,848,206	4,128,294
17,811	17,953	18,159							18,155	17,976	17,850	17,874	17,945	18,135					
309,527	473,670	779,943							1,260,772	498,804	426,284	316,741	474,317	775,081					
17,811	17,953	18,159	18,364	18,551	18,643	18,657	18,523	18,329	18,155	17,976	17,850	17,874	17,945	18,135	18,327	18,510	18,617	18,569	18,513
309,527	473,670	779,943	1,627,756	3,133,515	4,976,828	4,967,190	4,153,112	2,649,526	1,260,772	498,804	426,284	316,741	474,317	775,081	1,619,481	3,113,569	4,941,976	4,848,206	4,128,294
			2,831	2,831	2,830	2,830	2,829	2,828							2,830	2,831	2,830	2,829	2,829
			2,318,815	3,898,700	6,577,166	6,825,763	5,072,025	2,558,386							2,308,228	3,864,453	6,567,186	6,904,271	5,079,768
2,828	2,829	2,830							2,828	2,828	2,828	2,828	2,829	2,830					
117,874	555,021	822,998							1,438,899	358,515	704,352	121,573	539,351	796,435					
2,828	2,829	2,830	2,831	2,831	2,830	2,830	2,829	2,828	2,828	2,828	2,828	2,828	2,829	2,830	2,830	2,831	2,830	2,829	2,829
117,874	555,021	822,998	2,318,815	3,898,700	6,577,166	6,825,763	5,072,025	2,558,386	1,438,899	358,515	704,352	121,573	539,351	796,435	2,308,228	3,864,453	6,567,186	6,904,271	5,079,768
			47	48	47	46	47	46							47	48	47	46	47
			231,455	284,729	336,630	307,509	309,953	265,605							232,332	288,793	334,510	309,732	307,197
45	45	46							45	44	44	44	44	45					
158,713	172,873	193,336							210,501	168,595	154,861	154,933	179,776	198,346					
45	45	46	47	48	47	46	47	46	45	44	44	44	44	45	47	48	47	46	47
158,713	172,873	193,336	231,455	284,729	336,630	307,509	309,953	265,605	210,501	168,595	154,861	154,933	179,776	198,346	232,332	288,793	334,510	309,732	307,197
			6	6	6	6	6	6							6	6	6	6	6
			146,093	160,974	177,309	209,252	163,940	163,245							150,169	167,431	181,954	222,996	168,851
6	6	6							6	6	6	6	6	6					
125,242	131,990	143,025							140,805	135,385	128,274	125,239	142,810	151,767					
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
125,242	131,990	143,025	146,093	160,974	177,309	209,252	163,940	163,245	140,805	135,385	128,274	125,239	142,810	151,767	150,169	167,431	181,954	222,996	168,851

FY 5																			
Off Peak Aug-15	Off Peak Sep-15	Off Peak Oct-15	Peak Nov-15	Peak Dec-15	Peak Jan-16	Peak Feb-16	Peak Mar-16	Peak Apr-16	Off Peak May-16	Off Peak Jun-16	Off Peak Jul-16	Off Peak Aug-16	Off Peak Sep-16	Off Peak Oct-16	Peak Nov-16	Peak Dec-16	Peak Jan-17	Peak Feb-17	Peak Mar-17
			126	127	127	126	126	126							126	127	127	126	126
			658,317	1,011,431	1,405,729	1,483,667	1,356,065	1,086,708							684,563	1,044,416	1,463,358	1,508,773	1,410,956
126	126	126							126	126	126	126	125	126					
135,844	205,891	339,136							491,333	238,378	158,317	154,968	224,792	360,132					
126	126	126	126	127	127	126	126	126	126	126	126	126	125	126	126	127	127	126	126
135,844	205,891	339,136	658,317	1,011,431	1,405,729	1,483,667	1,356,065	1,086,708	491,333	238,378	158,317	154,968	224,792	360,132	684,563	1,044,416	1,463,358	1,508,773	1,410,956
			2	2	2	2	2	2							2	2	2	2	2
			29,794	54,628	103,569	101,469	77,047	33,159							29,880	54,283	101,157	101,634	75,221
2	2	2							2	2	2	2	2	2					
0	0	0							10,208	0	0	0	0	0					
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
0	0	0	29,794	54,628	103,569	101,469	77,047	33,159	10,208	0	0	0	0	0	29,880	54,283	101,157	101,634	75,221
<b>247,051</b>	<b>247,520</b>	<b>249,183</b>	<b>251,439</b>	<b>253,052</b>	<b>253,816</b>	<b>253,859</b>	<b>253,811</b>	<b>252,580</b>	<b>251,073</b>	<b>249,437</b>	<b>248,490</b>	<b>247,959</b>	<b>248,355</b>	<b>250,007</b>	<b>252,255</b>	<b>253,874</b>	<b>254,657</b>	<b>254,619</b>	<b>254,662</b>
<b>4,367,119</b>	<b>4,969,546</b>	<b>6,502,613</b>	<b>15,864,893</b>	<b>32,282,973</b>	<b>49,712,521</b>	<b>48,709,142</b>	<b>37,269,977</b>	<b>23,716,530</b>	<b>14,053,394</b>	<b>6,248,526</b>	<b>5,617,414</b>	<b>4,582,810</b>	<b>5,235,236</b>	<b>6,848,633</b>	<b>16,056,962</b>	<b>32,420,221</b>	<b>50,205,376</b>	<b>49,109,148</b>	<b>37,461,837</b>

<u>Peak Apr-17</u>	<u>Peak May-17</u>	<u>Peak Jun-17</u>	<u>Peak Jul-17</u>	<u>Peak Aug-17</u>	<u>Peak Sep-17</u>	<u>Peak Oct-17</u>	<u>Peak Nov-17</u>	<u>Peak Dec-17</u>	<u>CY 2011 Total</u>	<u>2012 Total</u>
22,119							21,522	21,508	27,256	26,472
449,257							357,833	450,094	3,864,076	3,611,930
	21,989	21,814	21,664	21,575	21,505	21,516			27,171	26,202
	371,431	304,992	266,859	238,647	240,669	275,367			2,063,245	2,039,129
22,119	21,989	21,814	21,664	21,575	21,505	21,516	21,522	21,508	27,164	26,337
449,257	371,431	304,992	266,859	238,647	240,669	275,367	357,833	450,094	5,927,321	5,651,059
210,011							210,241	211,696	200,369	201,884
16,900,709							10,556,654	23,572,039	140,317,817	143,336,828
	208,837	207,555	206,858	206,414	206,738	208,189			196,904	198,572
	10,163,020	4,684,188	3,912,421	3,416,860	3,527,492	4,193,104			30,772,218	30,953,836
210,011	208,837	207,555	206,858	206,414	206,738	208,189	210,241	211,696	198,245	200,228
16,900,709	10,163,020	4,684,188	3,912,421	3,416,860	3,527,492	4,193,104	10,556,654	23,572,039	171,090,035	174,290,665
18,299							18,289	18,466	18,626	18,605
2,641,113							1,607,755	3,087,830	20,596,863	20,987,084
	18,123	17,950	17,823	17,865	17,952	18,112			18,073	18,064
	1,260,140	511,836	434,601	327,383	479,534	773,819			3,840,657	3,762,326
18,299	18,123	17,950	17,823	17,865	17,952	18,112	18,289	18,466	18,263	18,335
2,641,113	1,260,140	511,836	434,601	327,383	479,534	773,819	1,607,755	3,087,830	24,437,520	24,749,410
2,828							2,830	2,830	2,904	2,846
2,596,624							2,299,192	3,835,409	25,998,117	26,753,227
	2,827	2,827	2,827	2,828	2,828	2,829			2,881	2,840
	1,456,169	407,300	717,538	143,631	538,505	790,981			5,553,662	4,753,684
2,828	2,827	2,827	2,827	2,828	2,828	2,829	2,830	2,830	2,883	2,843
2,596,624	1,456,169	407,300	717,538	143,631	538,505	790,981	2,299,192	3,835,409	31,551,779	31,506,910
46							47	48	47	47
257,699							232,920	286,210	1,685,619	1,650,877
	45	44	44	44	44	45			46	45
	207,556	162,762	151,392	153,155	170,815	180,593			1,022,417	1,072,997
46	45	44	44	44	44	45	47	48	46	46
257,699	207,556	162,762	151,392	153,155	170,815	180,593	232,920	286,210	2,708,036	2,723,875
6							6	6	6	6
162,950							158,717	172,847	1,016,850	967,912
	6	6	6	6	6	6			6	6
	145,000	136,831	131,386	130,206	142,213	141,853			766,671	811,077
6	6	6	6	6	6	6	6	6	6	6
162,950	145,000	136,831	131,386	130,206	142,213	141,853	158,717	172,847	1,783,522	1,778,989

Peak Apr-17	Peak May-17	Peak Jun-17	Peak Jul-17	Peak Aug-17	Peak Sep-17	Peak Oct-17	Peak Nov-17	Peak Dec-17	CY 2011 Total	2012 Total
126							126	127	127	126
1,132,236							710,357	1,081,882	5,583,556	5,698,656
	126	126	126	125	125	126			126	126
	515,423	253,314	169,480	165,593	236,538	375,814			866,301	967,158
126	126	126	126	125	125	126	126	127	126	126
1,132,236	515,423	253,314	169,480	165,593	236,538	375,814	710,357	1,081,882	6,449,858	6,665,813
2							2	2	2	2
32,826							29,437	53,076	345,189	376,410
	2	2	2	2	2	2			2	2
	10,066	0	0	0	0	0			43,057	18,642
2	2	2	2	2	2	2	2	2	2	2
32,826	10,066	0	0	0	0	0	29,437	53,076	388,246	395,052
<b>253,437</b>	<b>251,955</b>	<b>250,324</b>	<b>249,350</b>	<b>248,859</b>	<b>249,200</b>	<b>250,825</b>	<b>253,063</b>	<b>254,683</b>	<b>246,736</b>	<b>247,923</b>
<b>24,173,414</b>	<b>14,128,806</b>	<b>6,461,222</b>	<b>5,783,677</b>	<b>4,575,475</b>	<b>5,335,767</b>	<b>6,731,532</b>	<b>15,952,863</b>	<b>32,539,386</b>	<b>244,336,317</b>	<b>247,761,773</b>

					9						2011Q2	2010Q2		
					FY						2011Q2	2010Q2		
2013	2014	2015	2016	2017	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2011/12	2010Q2		
Total														
25,584	24,690	23,790	22,901	21,991	26,926	26,020	25,136	24,238	23,351	22,445				
3,477,075	3,355,709	3,237,032	3,118,274	2,995,509	3,707,702	3,529,620	3,410,282	3,287,162	3,169,613	3,047,848				
25,283	24,367	23,468	22,565	21,677	27,171	26,202	25,283	24,367	23,468	22,565				
1,977,505	1,908,836	1,837,835	1,767,169	1,697,965	2,063,245	2,039,129	1,977,505	1,908,836	1,837,835	1,767,169				
25,433	24,528	23,629	22,733	21,834	27,049	26,111	25,209	24,302	23,409	22,505	26,495	28,909	(2,414)	
5,454,581	5,264,545	5,074,868	4,885,443	4,693,474	5,770,947	5,568,749	5,387,787	5,195,998	5,007,449	4,815,018	5,723,638	6,955,860	(1,232,222)	
203,645	205,414	207,184	208,956	210,727	201,049	202,762	204,530	206,298	208,069	209,842				
143,177,800	143,085,330	144,056,309	145,848,628	147,411,399	142,384,817	143,944,823	143,218,907	143,401,256	145,137,693	146,951,961				
200,340	202,111	203,882	205,660	207,432	196,904	198,572	200,340	202,111	203,882	205,660				
28,091,402	26,562,730	27,751,890	29,578,298	29,897,086	30,772,218	30,953,836	28,091,402	26,562,730	27,751,890	29,578,298				
201,992	203,763	205,533	207,308	209,079	198,976	200,667	202,435	204,205	205,976	207,751	199,938	202,124	(2,185)	
171,269,201	169,648,060	171,808,199	175,426,926	177,308,485	173,157,035	174,898,660	171,310,309	169,963,986	172,889,582	176,530,259	174,364,511	169,121,900	5,242,611	
18,596	18,570	18,532	18,498	18,459	18,607	18,604	18,589	18,557	18,517	18,478				
20,989,902	21,537,931	21,492,824	21,479,705	21,255,174	20,858,870	20,952,704	21,367,495	21,512,824	21,504,311	21,301,051				
18,062	18,035	17,999	17,989	17,971	18,073	18,064	18,062	18,035	17,999	17,989				
3,678,518	3,740,537	3,728,874	3,751,999	3,787,314	3,840,657	3,762,326	3,678,518	3,740,537	3,728,874	3,751,999				
18,329	18,302	18,265	18,244	18,215	18,340	18,334	18,326	18,296	18,258	18,233	18,335	18,754	(418)	
24,668,420	25,278,467	25,221,698	25,231,704	25,042,488	24,699,527	24,715,030	25,046,014	25,253,361	25,233,185	25,053,050	24,659,179	18,873,656	5,785,523	
2,834	2,831	2,830	2,830	2,829	2,864	2,838	2,832	2,831	2,830	2,830				
27,480,191	27,061,110	27,236,302	27,206,021	27,282,451	26,358,315	27,249,121	27,211,003	27,185,227	27,181,303	27,282,292				
2,832	2,830	2,829	2,829	2,828	2,881	2,840	2,832	2,830	2,829	2,829				
4,333,905	3,991,919	3,919,551	3,959,124	4,054,123	5,553,662	4,753,684	4,333,905	3,991,919	3,919,551	3,959,124				
2,833	2,830	2,830	2,829	2,829	2,872	2,839	2,832	2,830	2,829	2,829	2,847	3,484	(637)	
31,814,096	31,053,030	31,155,852	31,165,145	31,336,574	31,911,977	32,002,804	31,544,908	31,177,146	31,100,854	31,241,416	31,166,176	30,845,968	320,208	
47	47	47	47	47	47	47	47	47	47	47				
1,697,406	1,743,796	1,735,525	1,740,822	1,728,267	1,637,688	1,672,469	1,739,229	1,741,139	1,736,131	1,738,169				
45	45	45	44	44	46	45	45	45	45	44				
1,060,243	1,050,498	1,060,430	1,067,013	1,026,274	1,022,417	1,072,997	1,060,243	1,050,498	1,060,430	1,067,013				
46	46	46	46	46	46	46	46	46	46	46	46	61	(15)	
2,757,648	2,794,295	2,795,955	2,807,834	2,754,541	2,660,104	2,745,467	2,799,471	2,791,638	2,796,561	2,805,181	2,717,970	2,384,919	333,051	
6	6	6	6	6	6	6	6	6	6	6				
1,025,885	1,021,277	1,014,752	1,031,348	1,068,314	961,198	997,816	1,038,674	1,017,838	1,018,722	1,054,647				
6	6	6	6	6	6	6	6	6	6	6				
811,484	780,296	797,651	824,281	827,489	766,671	811,077	811,484	780,296	797,651	824,281				
6	6	6	6	6	6	6	6	6	6	6	6	4	2	
1,837,369	1,801,573	1,812,404	1,855,629	1,895,802	1,727,870	1,808,893	1,850,158	1,798,134	1,816,373	1,878,928	1,779,461	1,094,272	685,189	

					FY						9			
											2011Q2	2010Q2		
2013	2014	2015	2016	2017	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2011/12			
Total														
126	126	126	126	126	126	126	126	126	126	126				
5,990,481	6,534,230	6,781,932	7,061,147	7,307,561	5,640,334	5,851,440	6,302,756	6,671,920	6,960,242	7,198,772				
126	126	126	126	126	126	126	126	126	126	126				
1,116,769	1,326,468	1,497,410	1,627,921	1,716,163	866,301	967,158	1,116,769	1,326,468	1,497,410	1,627,921				
126	126	126	126	126	126	126	126	126	126	126	126	180	(54)	
7,107,250	7,860,697	8,279,342	8,689,068	9,023,724	6,506,636	6,818,597	7,419,526	7,998,388	8,457,652	8,826,693	6,619,273	8,061,519	(1,442,246)	
2	2	2	2	2	2	2	2	2	2	2				
380,136	376,969	397,775	399,407	393,351	367,490	380,217	377,147	390,445	397,815	395,334				
2	2	2	2	2	2	2	2	2	2	2				
9,930	8,255	9,763	10,208	10,066	43,057	18,642	9,930	8,255	9,763	10,208				
2	2	2	2	2	2	2	2	2	2	2	2	8	(6)	
390,066	385,225	407,538	409,615	403,417	410,546	398,859	387,076	398,700	407,578	405,542	388,857	2,511,490	(2,122,633)	
<b>248,768</b>	<b>249,603</b>	<b>250,436</b>	<b>251,293</b>	<b>252,136</b>	<b>247,417</b>	<b>248,131</b>	<b>248,981</b>	<b>249,812</b>	<b>250,651</b>	<b>251,497</b>	<b>247,795</b>	<b>253,522</b>	<b>(5,727)</b>	<b>-2.3%</b>
<b>245,298,630</b>	<b>244,085,892</b>	<b>246,555,856</b>	<b>250,471,365</b>	<b>252,458,503</b>	<b>246,844,642</b>	<b>248,957,059</b>	<b>245,745,249</b>	<b>244,577,350</b>	<b>247,709,234</b>	<b>251,556,087</b>	<b>247,419,065</b>	<b>239,849,584</b>	<b>7,569,481</b>	<b>3.2%</b>

Rhode Island  
Load Forecast: Transportation  
Therms

		Peak Jan-11	Peak Feb-11	Peak Mar-11	FY 0 Peak Apr-11	Off Peak May-11	Off Peak Jun-11	Off Peak Jul-11	Off Peak Aug-11	Off Peak Sep-11	Off Peak Oct-11	Peak Nov-11	Peak Dec-11	Peak Jan-12	Peak Feb-12	Peak Mar-12	FY 1 Peak Apr-12	Off Peak May-12
22EN	Peak Customers Volumes	429	428	428	428							428	428	429	428	428	428	428
		1,542,991	1,302,236	917,927	535,102							777,031	1,302,222	1,576,173	1,369,069	1,067,502	714,076	
	Off Peak Customers Volumes					428	428	428	427	427	428							428
						378,712	315,171	232,114	226,391	282,192	478,175							360,797
	Total Customers Volumes	429	428	428	428	428	428	428	427	427	428	428	428	429	428	428	428	428
		1,542,991	1,302,236	917,927	535,102	378,712	315,171	232,114	226,391	282,192	478,175	777,031	1,302,222	1,576,173	1,369,069	1,067,502	714,076	360,797
2221	Peak Customers Volumes	925	934	943	953							998	1,002	1,006	1,008	1,010	1,013	
		1,894,842	1,767,097	1,578,174	1,008,225							983,340	1,587,927	2,052,160	1,960,578	1,832,224	1,263,337	
	Off Peak Customers Volumes					962	970	976	982	987	993							1,015
						633,446	381,366	262,006	260,237	332,747	564,134							668,777
	Total Customers Volumes	925	934	943	953	962	970	976	982	987	993	998	1,002	1,006	1,008	1,010	1,013	1,015
		1,894,842	1,767,097	1,578,174	1,008,225	633,446	381,366	262,006	260,237	332,747	564,134	983,340	1,587,927	2,052,160	1,960,578	1,832,224	1,263,337	668,777
23EN	Peak Customers Volumes	69	69	69	69							68	68	68	68	69	69	
		778,438	807,014	604,248	401,023							533,269	452,655	864,753	636,308	615,639	458,056	
	Off Peak Customers Volumes					69	69	69	69	68	68							69
						551,485	524,240	319,002	492,553	328,451	494,234							397,411
	Total Customers Volumes	69	69	69	69	69	69	69	69	68	68	68	68	68	68	69	69	69
		778,438	807,014	604,248	401,023	551,485	524,240	319,002	492,553	328,451	494,234	533,269	452,655	864,753	636,308	615,639	458,056	397,411
2321	Peak Customers Volumes	41	42	42	42							43	43	43	43	44	44	
		364,221	365,974	296,850	236,605							222,749	198,720	415,341	314,974	315,406	269,596	
	Off Peak Customers Volumes					42	43	43	43	43	43							44
						266,381	246,872	150,917	216,044	144,538	207,104							212,158
	Total Customers Volumes	41	42	42	42	42	43	43	43	43	43	43	43	43	43	44	44	44
		364,221	365,974	296,850	236,605	266,381	246,872	150,917	216,044	144,538	207,104	222,749	198,720	415,341	314,974	315,406	269,596	212,158
24EN	Peak Customers Volumes	50	50	50	50							50	50	50	50	50	50	
		4,493,360	3,988,113	3,733,484	3,207,719							3,342,204	3,541,952	4,688,636	3,754,113	3,775,512	3,334,664	
	Off Peak Customers Volumes					50	50	50	50	50	50							50
						2,931,126	3,203,379	2,626,520	2,707,319	2,705,695	3,249,307							2,633,585
	Total Customers Volumes	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		4,493,360	3,988,113	3,733,484	3,207,719	2,931,126	3,203,379	2,626,520	2,707,319	2,705,695	3,249,307	3,342,204	3,541,952	4,688,636	3,754,113	3,775,512	3,334,664	2,633,585
2421	Peak Customers Volumes	8	8	8	8							8	8	8	8	8	8	
		248,374	177,605	186,787	175,340							162,158	54,582	287,429	108,661	195,192	200,729	
	Off Peak Customers Volumes					8	8	8	8	8	8							8
						236,340	260,563	94,811	172,689	97,461	179,337							176,832
	Total Customers Volumes	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		248,374	177,605	186,787	175,340	236,340	260,563	94,811	172,689	97,461	179,337	162,158	54,582	287,429	108,661	195,192	200,729	176,832
33EN	Peak Customers Volumes	149	149	148	148							148	149	149	149	148	148	
		1,962,809	1,726,771	1,539,428	833,845							1,055,907	1,708,729	1,904,131	1,718,491	1,557,470	891,352	

Rhode Island  
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		Peak	Peak	Peak	FY 0	Off Peak	Peak	Peak	Peak	Peak	Peak	FY 1	Off Peak					
		Jan-11	Feb-11	Mar-11	Peak	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Peak	Off Peak
	Off Peak Customers Volumes					148	148	148	148	148	148							149
						390,167	238,230	149,959	149,462	227,509	562,049							370,777
	Total Customers Volumes	149	149	148	148	148	148	148	148	148	148	148	149	149	149	148	148	149
		1,962,809	1,726,771	1,539,428	833,845	390,167	238,230	149,959	149,462	227,509	562,049	1,055,907	1,708,729	1,904,131	1,718,491	1,557,470	891,352	370,777
3321	Peak Customers Volumes	131	130	130	130							132	132	133	133	132	133	
		2,129,218	1,654,840	1,170,163	862,147							663,976	1,489,057	2,279,351	1,842,973	1,622,100	1,393,133	
	Off Peak Customers Volumes					131	131	131	131	131	132							133
						385,530	220,672	0	0	0	101,514							425,300
	Total Customers Volumes	131	130	130	130	131	131	131	131	131	132	132	132	133	133	132	133	
		2,129,218	1,654,840	1,170,163	862,147	385,530	220,672	0	0	0	101,514	663,976	1,489,057	2,279,351	1,842,973	1,622,100	1,393,133	425,300
34EN	Peak Customers Volumes	24	24	24	24							24	24	24	24	24	24	
		1,499,662	1,323,345	1,048,129	545,170							755,654	1,301,238	1,465,444	1,318,129	1,145,679	699,322	
	Off Peak Customers Volumes					24	24	24	24	24	24							24
						280,429	200,630	108,549	105,512	172,494	373,093							273,731
	Total Customers Volumes	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
		1,499,662	1,323,345	1,048,129	545,170	280,429	200,630	108,549	105,512	172,494	373,093	755,654	1,301,238	1,465,444	1,318,129	1,145,679	699,322	273,731
3421	Peak Customers Volumes	5	5	5	5							5	5	5	5	5	5	
		289,663	175,968	99,741	0							94,428	260,090	322,815	210,618	191,039	81,688	
	Off Peak Customers Volumes					5	5	5	5	5	5							5
						31,490	20,997	0	0	0	0							41,377
	Total Customers Volumes	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
		289,663	175,968	99,741	0	31,490	20,997	0	0	0	0	94,428	260,090	322,815	210,618	191,039	81,688	41,377
<b>Total Sales Customers</b>		<b>1,831</b>	<b>1,839</b>	<b>1,847</b>	<b>1,857</b>	<b>1,867</b>	<b>1,876</b>	<b>1,882</b>	<b>1,887</b>	<b>1,891</b>	<b>1,899</b>	<b>1,904</b>	<b>1,909</b>	<b>1,915</b>	<b>1,916</b>	<b>1,918</b>	<b>1,922</b>	<b>1,925</b>
<b>Total Sales Volumes</b>		<b>15,203,578</b>	<b>13,288,963</b>	<b>11,174,930</b>	<b>7,805,177</b>	<b>6,085,106</b>	<b>5,612,121</b>	<b>3,943,879</b>	<b>4,330,205</b>	<b>4,291,087</b>	<b>6,208,946</b>	<b>8,590,716</b>	<b>11,897,173</b>	<b>15,856,232</b>	<b>13,233,915</b>	<b>12,317,763</b>	<b>9,305,954</b>	<b>5,560,744</b>

<u>Off Peak</u> <u>Jun-12</u>	<u>Off Peak</u> <u>Jul-12</u>	<u>Off Peak</u> <u>Aug-12</u>	<u>Off Peak</u> <u>Sep-12</u>	<u>Off Peak</u> <u>Oct-12</u>	<u>Peak</u> <u>Nov-12</u>	<u>Peak</u> <u>Dec-12</u>	<u>Peak</u> <u>Jan-13</u>	<u>Peak</u> <u>Feb-13</u>	<u>Peak</u> <u>Mar-13</u>	<u>FY 2</u> <u>Peak</u> <u>Apr-13</u>	<u>Off Peak</u> <u>May-13</u>	<u>Off Peak</u> <u>Jun-13</u>	<u>Off Peak</u> <u>Jul-13</u>	<u>Off Peak</u> <u>Aug-13</u>	<u>Off Peak</u> <u>Sep-13</u>	<u>Off Peak</u> <u>Oct-13</u>	<u>Peak</u> <u>Nov-13</u>	<u>Peak</u> <u>Dec-13</u>	<u>Peak</u> <u>Jan-14</u>	<u>Peak</u> <u>Feb-14</u>
					429	430	430	430	430	430							431	431	431	431
					765,917	1,202,612	1,464,697	1,281,063	1,008,612	711,973							697,700	1,104,166	1,393,394	1,207,876
429	428	428	428	429							430	430	430	430	430	431				
296,132	210,962	171,260	248,836	467,721							340,826	266,916	199,949	166,299	233,356	450,750				
429	428	428	428	429	429	430	430	430	430	430	430	430	430	430	430	431	431	431	431	431
296,132	210,962	171,260	248,836	467,721	765,917	1,202,612	1,464,697	1,281,063	1,008,612	711,973	340,826	266,916	199,949	166,299	233,356	450,750	697,700	1,104,166	1,393,394	1,207,876
					1,024	1,026	1,027	1,027	1,027	1,028							1,032	1,033	1,034	1,034
					1,022,810	1,541,219	2,136,391	2,054,193	1,960,349	1,400,653							1,032,801	1,574,780	2,277,977	2,194,578
1,017	1,018	1,019	1,020	1,022							1,029	1,029	1,030	1,030	1,030	1,032				
402,749	281,548	247,658	343,265	602,316							734,355	422,786	309,554	278,439	364,755	640,045				
1,017	1,018	1,019	1,020	1,022	1,024	1,026	1,027	1,027	1,027	1,028	1,029	1,029	1,030	1,030	1,030	1,032	1,032	1,033	1,034	1,034
402,749	281,548	247,658	343,265	602,316	1,022,810	1,541,219	2,136,391	2,054,193	1,960,349	1,400,653	734,355	422,786	309,554	278,439	364,755	640,045	1,032,801	1,574,780	2,277,977	2,194,578
					68	68	69	69	69	69							69	69	69	69
					529,312	478,317	887,418	701,692	704,786	513,028							656,402	504,730	859,508	738,133
69	69	69	69	68							69	69	69	69	69	69				
409,157	321,347	371,966	283,588	515,624							413,377	505,269	315,106	457,148	386,068	456,671				
69	69	69	69	68	68	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69
409,157	321,347	371,966	283,588	515,624	529,312	478,317	887,418	701,692	704,786	513,028	413,377	505,269	315,106	457,148	386,068	456,671	656,402	504,730	859,508	738,133
					44	44	44	44	44	44							44	44	44	44
					226,065	214,620	425,129	339,380	351,292	291,950							275,780	226,529	426,872	366,801
44	44	44	44	44							44	44	44	44	44	44				
207,209	156,875	172,700	131,161	219,824							218,537	245,455	154,000	206,218	171,424	195,413				
44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
207,209	156,875	172,700	131,161	219,824	226,065	214,620	425,129	339,380	351,292	291,950	218,537	245,455	154,000	206,218	171,424	195,413	275,780	226,529	426,872	366,801
					50	50	50	50	50	50							50	50	50	50
					3,346,584	3,607,852	4,722,925	3,787,252	3,941,592	3,435,649							3,591,292	3,649,127	4,656,516	3,848,743
50	50	50	50	50							50	50	50	50	50	50				
2,983,210	2,640,006	2,475,511	2,625,738	3,301,883							2,657,615	3,167,678	2,620,606	2,638,404	2,823,112	3,176,528				
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2,983,210	2,640,006	2,475,511	2,625,738	3,301,883	3,346,584	3,607,852	4,722,925	3,787,252	3,941,592	3,435,649	2,657,615	3,167,678	2,620,606	2,638,404	2,823,112	3,176,528	3,591,292	3,649,127	4,656,516	3,848,743
					8	8	8	8	8	8							8	8	8	8
					163,034	67,761	294,286	137,433	228,408	220,926							211,976	77,058	288,383	153,627
8	8	8	8	8							8	8	8	8	8	8				
216,530	97,509	126,327	81,470	189,852							181,638	253,423	93,629	158,906	120,945	164,781				
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
216,530	97,509	126,327	81,470	189,852	163,034	67,761	294,286	137,433	228,408	220,926	181,638	253,423	93,629	158,906	120,945	164,781	211,976	77,058	288,383	153,627
					149	149	149	149	149	149							150	150	150	150
					1,015,464	1,599,879	1,807,211	1,612,857	1,494,486	871,562							960,454	1,514,786	1,702,117	1,512,486

<u>Off Peak</u> <u>Jun-12</u>	<u>Off Peak</u> <u>Jul-12</u>	<u>Off Peak</u> <u>Aug-12</u>	<u>Off Peak</u> <u>Sep-12</u>	<u>Off Peak</u> <u>Oct-12</u>	<u>Peak</u> <u>Nov-12</u>	<u>Peak</u> <u>Dec-12</u>	<u>Peak</u> <u>Jan-13</u>	<u>Peak</u> <u>Feb-13</u>	<u>Peak</u> <u>Mar-13</u>	<u>FY 2</u> <u>Peak</u> <u>Apr-13</u>	<u>Off Peak</u> <u>May-13</u>	<u>Off Peak</u> <u>Jun-13</u>	<u>Off Peak</u> <u>Jul-13</u>	<u>Off Peak</u> <u>Aug-13</u>	<u>Off Peak</u> <u>Sep-13</u>	<u>Off Peak</u> <u>Oct-13</u>	<u>Peak</u> <u>Nov-13</u>	<u>Peak</u> <u>Dec-13</u>	<u>Peak</u> <u>Jan-14</u>	<u>Peak</u> <u>Feb-14</u>
149	149	148	148	149							149	149	149	149	149	149				
225,996	139,622	122,004	207,762	539,916							354,875	209,998	134,468	119,789	198,407	521,623				
149	149	148	148	149	149	149	149	149	149	149	149	149	149	149	149	149	150	150	150	150
225,996	139,622	122,004	207,762	539,916	1,015,464	1,599,879	1,807,211	1,612,857	1,494,486	871,562	354,875	209,998	134,468	119,789	198,407	521,623	960,454	1,514,786	1,702,117	1,512,486
					133	134	134	134	134	134							135	135	135	135
					700,916	1,294,700	2,081,846	1,738,466	1,553,127	1,462,894							561,308	1,084,606	1,977,039	1,619,000
133	133	133	133	133							134	134	134	134	134	135				
254,670	0	0	0	148,712							444,848	242,746	0	0	0	144,232				
133	133	133	133	133	133	134	134	134	134	134	134	134	134	134	134	135	135	135	135	135
254,670	0	0	0	148,712	700,916	1,294,700	2,081,846	1,738,466	1,553,127	1,462,894	444,848	242,746	0	0	0	144,232	561,308	1,084,606	1,977,039	1,619,000
					24	24	24	24	24	24							24	24	24	24
					725,900	1,147,356	1,325,586	1,201,640	1,066,561	692,093							640,612	1,007,104	1,164,992	1,036,946
24	24	24	24	24							24	24	24	24	24	24				
205,178	116,952	80,239	163,488	369,136							269,873	197,395	128,971	96,098	162,940	353,348				
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
205,178	116,952	80,239	163,488	369,136	725,900	1,147,356	1,325,586	1,201,640	1,066,561	692,093	269,873	197,395	128,971	96,098	162,940	353,348	640,612	1,007,104	1,164,992	1,036,946
					5	5	5	5	5	5							5	5	5	5
					103,786	227,425	282,102	191,961	176,016	93,846							75,608	185,247	257,139	161,673
5	5	5	5	5							5	5	5	5	5	5				
28,318	0	0	0	3,338							44,945	25,675	0	0	0	2,093				
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
28,318	0	0	0	3,338	103,786	227,425	282,102	191,961	176,016	93,846	44,945	25,675	0	0	0	2,093	75,608	185,247	257,139	161,673
<b>1,928</b>	<b>1,928</b>	<b>1,928</b>	<b>1,929</b>	<b>1,932</b>	<b>1,934</b>	<b>1,938</b>	<b>1,940</b>	<b>1,940</b>	<b>1,940</b>	<b>1,941</b>	<b>1,942</b>	<b>1,942</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,947</b>	<b>1,948</b>	<b>1,949</b>	<b>1,950</b>	<b>1,950</b>
<b>5,229,150</b>	<b>3,964,821</b>	<b>3,767,666</b>	<b>4,085,307</b>	<b>6,358,323</b>	<b>8,599,788</b>	<b>11,381,742</b>	<b>15,427,593</b>	<b>13,045,937</b>	<b>12,485,229</b>	<b>9,694,573</b>	<b>5,660,890</b>	<b>5,537,343</b>	<b>3,956,283</b>	<b>4,121,301</b>	<b>4,461,005</b>	<b>6,105,482</b>	<b>8,703,933</b>	<b>10,928,132</b>	<b>15,003,937</b>	<b>12,839,862</b>

10,016,776

Peak Mar-14	FY 3 Peak Apr-14	Off Peak May-14	Off Peak Jun-14	Off Peak Jul-14	Off Peak Aug-14	Off Peak Sep-14	Off Peak Oct-14	Peak Nov-14	Peak Dec-14	Peak Jan-15	Peak Feb-15	Peak Mar-15	FY 4 Peak Apr-15	Off Peak May-15	Off Peak Jun-15	Off Peak Jul-15	Off Peak Aug-15	Off Peak Sep-15	Off Peak Oct-15	Peak Nov-15	Peak Dec-15
431	431							432	432	433	433	434	432							434	434
891,243	576,768							656,412	1,102,561	1,432,070	1,233,398	879,425	515,698							662,967	1,150,954
		431	432	432	432	432	432							433	433	433	433	434	434		
		283,468	227,068	170,441	155,306	214,891	424,455							234,547	192,222	133,419	121,317	187,942	403,218		
431	431	431	432	432	432	432	432	432	432	433	433	434	432	433	433	433	433	434	434	434	434
891,243	576,768	283,468	227,068	170,441	155,306	214,891	424,455	656,412	1,102,561	1,432,070	1,233,398	879,425	515,698	234,547	192,222	133,419	121,317	187,942	403,218	662,967	1,150,954
1,034	1,034							1,037	1,037	1,038	1,038	1,040	1,037							1,041	1,040
2,051,094	1,419,459							1,105,898	1,725,128	2,380,441	2,286,284	2,112,797	1,412,304							1,144,073	1,814,816
		1,034	1,035	1,035	1,035	1,036	1,037							1,038	1,038	1,039	1,039	1,042	1,041		
		764,903	428,447	316,674	305,295	391,862	689,390							752,485	416,410	299,263	290,004	384,038	691,936		
1,034	1,034	1,034	1,035	1,035	1,035	1,036	1,037	1,037	1,037	1,038	1,038	1,040	1,037	1,038	1,038	1,039	1,039	1,042	1,041	1,041	1,040
2,051,094	1,419,459	764,903	428,447	316,674	305,295	391,862	689,390	1,105,898	1,725,128	2,380,441	2,286,284	2,112,797	1,412,304	752,485	416,410	299,263	290,004	384,038	691,936	1,144,073	1,814,816
69	69							69	69	69	69	69	69							69	69
687,405	486,914							655,828	491,306	882,882	743,892	652,664	554,769							649,472	530,883
		69	69	69	69	69	69							69	69	69	69	69	69		
		413,138	463,924	306,240	457,412	372,101	449,885							404,122	458,047	381,675	433,249	421,942	475,715		
69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
687,405	486,914	413,138	463,924	306,240	457,412	372,101	449,885	655,828	491,306	882,882	743,892	652,664	554,769	404,122	458,047	381,675	433,249	421,942	475,715	649,472	530,883
44	44							44	44	44	44	44	44							44	44
357,660	293,094							283,921	228,865	434,840	367,631	342,357	319,488							279,980	243,004
		44	44	44	44	44	44							44	44	44	44	44	44		
		227,345	237,165	157,302	213,400	172,773	199,386							222,960	234,000	186,680	202,809	191,648	208,638		
44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
357,660	293,094	227,345	237,165	157,302	213,400	172,773	199,386	283,921	228,865	434,840	367,631	342,357	319,488	222,960	234,000	186,680	202,809	191,648	208,638	279,980	243,004
50	50							50	50	50	50	50	50							50	50
3,895,329	3,375,005							3,581,399	3,611,739	4,693,285	3,849,519	3,815,148	3,502,559							3,560,467	3,680,999
		50	50	50	50	50	50							50	50	50	50	50	50		
		2,649,717	3,077,730	2,596,377	2,631,927	2,788,210	3,156,189							2,624,668	3,059,124	2,741,080	2,576,994	2,881,341	3,201,311		
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
3,895,329	3,375,005	2,649,717	3,077,730	2,596,377	2,631,927	2,788,210	3,156,189	3,581,399	3,611,739	4,693,285	3,849,519	3,815,148	3,502,559	2,624,668	3,059,124	2,741,080	2,576,994	2,881,341	3,201,311	3,560,467	3,680,999
8	8							8	8	8	8	8	8							8	8
227,393	217,402							216,489	73,150	295,737	153,782	211,357	242,913							212,303	87,002
		8	8	8	8	8	8							8	8	8	8	8	8		
		187,724	244,748	93,309	163,149	119,351	166,911							182,715	241,027	122,250	152,162	137,978	175,935		
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
227,393	217,402	187,724	244,748	93,309	163,149	119,351	166,911	216,489	73,150	295,737	153,782	211,357	242,913	182,715	241,027	122,250	152,162	137,978	175,935	212,303	87,002
150	150							150	150	150	150	151	150							151	151
1,378,833	771,704							903,314	1,451,959	1,657,587	1,466,455	1,324,814	711,411							873,963	1,419,975

FY 3								FY 4														
Peak	Peak	Off Peak	Off Peak	Off Peak	Off Peak	Off Peak	Off Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Off Peak	Off Peak	Off Peak	Off Peak	Off Peak	Off Peak	Peak	Peak
Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	
		150	150	150	150	150	150								150	151	151	151	151	151	151	
		315,610	187,242	119,864	114,291	186,001	490,974								281,323	167,211	101,487	97,305	169,706	464,301		
150	150	150	150	150	150	150	150	150	150	150	150	151	150	150	151	151	151	151	151	151	151	151
1,378,833	771,704	315,610	187,242	119,864	114,291	186,001	490,974	903,314	1,451,959	1,657,587	1,466,455	1,324,814	711,411	281,323	167,211	101,487	97,305	169,706	464,301	873,963	1,419,975	
135	135							136	136	136	136	137	136								137	137
1,325,839	1,204,553							473,105	1,094,423	2,015,536	1,625,963	1,259,561	1,028,768								467,212	1,171,888
		135	135	135	135	136	136							136	136	136	136	137	137			
		344,843	168,989	0	0	0	86,784							214,651	80,828	0	0	0	21,913			
135	135	135	135	135	135	136	136	136	136	136	136	137	136	136	136	136	136	137	137	137	137	137
1,325,839	1,204,553	344,843	168,989	0	0	0	86,784	473,105	1,094,423	2,015,536	1,625,963	1,259,561	1,028,768	214,651	80,828	0	0	0	21,913	467,212	1,171,888	
24	24							24	24	24	24	24	24								24	24
873,959	509,866							550,580	918,433	1,107,791	967,148	782,718	398,925								513,027	886,824
		24	24	24	24	24	24							24	24	24	24	24	24			
		201,134	158,501	104,509	89,171	142,264	304,445							136,519	121,081	69,979	57,977	113,104	262,625			
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
873,959	509,866	201,134	158,501	104,509	89,171	142,264	304,445	550,580	918,433	1,107,791	967,148	782,718	398,925	136,519	121,081	69,979	57,977	113,104	262,625	513,027	886,824	
5	5							5	5	5	5	5	5								5	5
125,391	32,503							57,482	190,454	274,962	169,907	117,597	1,446								60,500	218,055
		5	5	5	5	5	5							5	5	5	5	5	5	5	5	5
		24,398	10,227	0	0	0	0							3,629	0	0	0	0	0	0	0	0
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
125,391	32,503	24,398	10,227	0	0	0	0	57,482	190,454	274,962	169,907	117,597	1,446	3,629	0	0	0	0	0	0	60,500	218,055
1,950	1,950	1,950	1,952	1,952	1,952	1,954	1,955	1,955	1,955	1,957	1,957	1,962	1,955	1,957	1,958	1,959	1,959	1,964	1,963	1,963	1,962	
11,814,145	8,887,268	5,412,282	5,204,041	3,864,715	4,129,950	4,387,453	5,968,419	8,484,427	10,888,016	15,175,131	12,863,980	11,498,438	8,688,281	5,057,618	4,969,949	4,035,834	3,931,818	4,487,698	5,905,592	8,423,964	11,204,399	

Peak Jan-16	Peak Feb-16	Peak Mar-16	FY 5 Peak Apr-16	Off Peak May-16	Off Peak Jun-16	Off Peak Jul-16	Off Peak Aug-16	Off Peak Sep-16	Off Peak Oct-16	Peak Nov-16	Peak Dec-16	Peak Jan-17	Peak Feb-17	Peak Mar-17	Peak Apr-17	Peak May-17	Peak Jun-17	Peak Jul-17	Peak Aug-17	Peak Sep-17	Peak Oct-17
434	435	435	434							436	435	436	436	435	436						
1,472,180	1,271,037	911,549	538,105							664,965	1,159,992	1,470,105	1,266,205	914,807	561,426						
				434	435	435	436	437	436							436	436	437	438	438	438
				222,854	173,235	107,606	87,099	158,606	384,285							228,208	166,641	96,887	70,801	141,294	374,375
434	435	435	434	434	435	435	436	437	436	436	435	436	436	435	436	436	436	437	438	438	438
1,472,180	1,271,037	911,549	538,105	222,854	173,235	107,606	87,099	158,606	384,285	664,965	1,159,992	1,470,105	1,266,205	914,807	561,426	228,208	166,641	96,887	70,801	141,294	374,375
1,041	1,042	1,043	1,041							1,045	1,044	1,045	1,045	1,044	1,044						
2,497,335	2,432,458	2,227,042	1,495,230							1,179,751	1,874,456	2,617,278	2,527,528	2,357,466	1,607,638						
				1,041	1,042	1,043	1,045	1,047	1,046							1,045	1,046	1,047	1,049	1,051	1,050
				774,100	411,606	282,930	265,085	365,795	692,627							818,198	409,879	267,056	241,905	344,908	694,138
1,041	1,042	1,043	1,041	1,041	1,042	1,043	1,045	1,047	1,046	1,045	1,044	1,045	1,045	1,044	1,044	1,045	1,046	1,047	1,049	1,051	1,050
2,497,335	2,432,458	2,227,042	1,495,230	774,100	411,606	282,930	265,085	365,795	692,627	1,179,751	1,874,456	2,617,278	2,527,528	2,357,466	1,607,638	818,198	409,879	267,056	241,905	344,908	694,138
69	69	69	69							69	69	69	69	69	69						
892,698	733,178	672,170	556,749							648,398	557,715	861,523	786,205	680,044	539,406						
				69	69	69	69	69	69							69	69	69	69	69	69
				422,272	467,066	380,880	432,538	443,153	459,315							468,346	452,965	397,170	448,498	437,572	484,819
69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
892,698	733,178	672,170	556,749	422,272	467,066	380,880	432,538	443,153	459,315	648,398	557,715	861,523	786,205	680,044	539,406	468,346	452,965	397,170	448,498	437,572	484,819
44	44	44	44							44	44	44	44	44	45						
436,098	362,900	347,511	318,437							277,120	250,797	420,810	378,983	347,817	309,557						
				44	44	44	44	44	44							45	45	45	44	44	44
				228,582	235,959	184,816	200,620	198,241	200,175							245,300	228,610	189,742	205,199	194,079	208,434
44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	45	45	45	44	44	44	44
436,098	362,900	347,511	318,437	228,582	235,959	184,816	200,620	198,241	200,175	277,120	250,797	420,810	378,983	347,817	309,557	245,300	228,610	189,742	205,199	194,079	208,434
50	50	50	50							50	50	50	50	50	50						
4,697,707	3,895,658	3,837,602	3,494,727							3,545,471	3,719,158	4,620,364	3,900,831	3,837,160	3,448,295						
				50	50	50	50	50	50							50	50	50	50	50	50
				2,650,547	3,066,953	2,730,280	2,566,437	2,913,665	3,158,376							2,732,301	3,028,539	2,753,620	2,588,512	2,892,344	3,199,201
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
4,697,707	3,895,658	3,837,602	3,494,727	2,650,547	3,066,953	2,730,280	2,566,437	2,913,665	3,158,376	3,545,471	3,719,158	4,620,364	3,900,831	3,837,160	3,448,295	2,732,301	3,028,539	2,753,620	2,588,512	2,892,344	3,199,201
8	8	8	8							8	8	8	8	8	8						
296,621	141,006	215,848	241,347							209,304	94,634	281,153	164,045	215,759	232,061						
				8	8	8	8	8	8							8	8	8	8	8	8
				187,891	242,593	120,090	150,050	144,442	167,348							204,242	234,910	124,758	154,465	140,178	175,514
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
296,621	141,006	215,848	241,347	187,891	242,593	120,090	150,050	144,442	167,348	209,304	94,634	281,153	164,045	215,759	232,061	204,242	234,910	124,758	154,465	140,178	175,514
151	151	151	151							152	151	152	152	152	152						
1,634,715	1,465,097	1,306,591	703,012							853,792	1,387,093	1,602,627	1,413,302	1,283,946	700,534						

Peak Jan-16	Peak Feb-16	Peak Mar-16	FY 5 Peak Apr-16	Off Peak May-16	Off Peak Jun-16	Off Peak Jul-16	Off Peak Aug-16	Off Peak Sep-16	Off Peak Oct-16	Peak Nov-16	Peak Dec-16	Peak Jan-17	Peak Feb-17	Peak Mar-17	Peak Apr-17	Peak May-17	Peak Jun-17	Peak Jul-17	Peak Aug-17	Peak Sep-17	Peak Oct-17
				151	151	151	152	152	152							152	152	152	152	153	153
1,634,715	1,465,097	1,306,591	703,012	268,914	156,091	88,808	80,465	153,243	444,242							266,723	151,672	83,699	72,531	143,205	431,621
151	151	151	151	151	151	151	152	152	152	152	151	152	152	152	152	152	152	152	152	153	153
2,054,449	1,621,655	1,305,310	1,068,526	268,914	156,091	88,808	80,465	153,243	444,242	853,792	1,387,093	1,602,627	1,413,302	1,283,946	700,534	266,723	151,672	83,699	72,531	143,205	431,621
137	137	137	137							138	138	138	138	138	138						
2,054,449	1,621,655	1,305,310	1,068,526							452,373	1,148,014	1,964,421	1,570,154	1,264,535	1,101,947						
137	137	137	137	137	137	138	138	139	138	138	138	138	138	138	138	138	139	139	139	140	140
2,054,449	1,621,655	1,305,310	1,068,526	187,491	42,970	0	0	0	0	452,373	1,148,014	1,964,421	1,570,154	1,264,535	1,101,947	202,986	39,120	0	0	0	0
24	24	24	24							24	24	24	24	24	24						
1,081,531	931,297	766,477	390,469							486,079	839,777	1,024,518	882,709	734,376	390,491						
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
1,081,531	931,297	766,477	390,469	118,793	105,318	51,025	30,155	86,446	232,131	486,079	839,777	1,024,518	882,709	734,376	390,491	120,989	103,194	47,756	21,013	72,856	212,897
5	5	5	5							5	5	5	5	5	5						
295,619	174,288	136,094	14,429							62,784	228,306	296,904	181,631	142,422	29,261						
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
295,619	174,288	136,094	14,429	4,756	0	0	0	0	0	62,784	228,306	296,904	181,631	142,422	29,261	17,685	0	0	0	0	0
<b>1,963</b>	<b>1,965</b>	<b>1,966</b>	<b>1,963</b>	<b>1,963</b>	<b>1,965</b>	<b>1,967</b>	<b>1,971</b>	<b>1,975</b>	<b>1,972</b>	<b>1,971</b>	<b>1,968</b>	<b>1,971</b>	<b>1,971</b>	<b>1,969</b>	<b>1,971</b>	<b>1,972</b>	<b>1,974</b>	<b>1,976</b>	<b>1,978</b>	<b>1,982</b>	<b>1,981</b>
<b>15,358,954</b>	<b>13,028,574</b>	<b>11,726,194</b>	<b>8,821,031</b>	<b>5,066,199</b>	<b>4,901,792</b>	<b>3,946,436</b>	<b>3,812,449</b>	<b>4,463,590</b>	<b>5,738,499</b>	<b>8,380,037</b>	<b>11,259,942</b>	<b>15,159,702</b>	<b>13,071,593</b>	<b>11,776,332</b>	<b>8,920,615</b>	<b>5,304,978</b>	<b>4,815,532</b>	<b>3,960,689</b>	<b>3,802,924</b>	<b>4,366,437</b>	<b>5,780,998</b>

Peak Nov-17	Peak Dec-17	CY						
		2011 Total	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total
438	437	428	429	430	431	433	435	436
654,705	1,142,031	6,377,508	6,695,350	6,268,209	5,828,253	5,874,512	6,017,828	6,009,278
		428	428	430	432	433	436	437
		1,912,755	1,755,709	1,658,096	1,475,629	1,272,665	1,133,685	1,078,206
438	437	428	429	430	432	433	435	437
654,705	1,142,031	8,290,264	8,451,059	7,926,305	7,303,881	7,147,176	7,151,512	7,087,484
1,049	1,048	959	1,015	1,029	1,035	1,039	1,043	1,046
1,206,519	1,924,247	8,819,606	9,672,327	10,159,169	10,774,133	11,150,716	11,706,273	12,240,677
		978	1,019	1,030	1,035	1,040	1,044	1,048
		2,433,937	2,546,313	2,749,933	2,896,571	2,834,135	2,792,143	2,776,083
1,049	1,048	977	1,017	1,030	1,035	1,039	1,043	1,047
1,206,519	1,924,247	11,253,543	12,218,640	12,909,102	13,670,704	13,984,852	14,498,416	15,016,760
69	69	69	68	69	69	69	69	69
647,834	565,591	3,576,647	3,582,385	3,968,057	3,919,094	4,014,562	4,060,909	4,080,603
		69	69	69	69	69	69	69
		2,709,966	2,299,094	2,533,639	2,462,700	2,574,750	2,605,224	2,689,371
69	69	69	69	69	69	69	69	69
647,834	565,591	6,286,613	5,881,479	6,501,696	6,381,793	6,589,312	6,666,132	6,769,974
44	44	42	44	44	44	44	44	44
274,417	250,951	1,685,119	1,756,002	1,910,060	1,957,212	1,987,299	1,992,863	1,982,534
		43	44	44	44	44	44	45
		1,231,855	1,099,927	1,191,047	1,207,371	1,246,734	1,248,393	1,271,365
44	44	43	44	44	44	44	44	44
274,417	250,951	2,916,974	2,855,929	3,101,107	3,164,583	3,234,033	3,241,257	3,253,899
50	50	50	50	50	50	50	50	50
3,531,419	3,719,320	22,306,832	22,507,362	23,127,836	22,968,730	23,101,976	23,190,323	23,057,388
		50	50	50	50	50	50	50
		17,423,347	16,659,934	17,083,943	16,900,151	17,084,518	17,086,257	17,194,517
50	50	50	50	50	50	50	50	50
3,531,419	3,719,320	39,730,179	39,167,295	40,211,779	39,868,881	40,186,494	40,276,581	40,251,905
8	8	8	8	8	8	8	8	8
206,493	94,666	1,004,844	1,022,806	1,170,086	1,176,444	1,203,094	1,198,759	1,194,177
		8	8	8	8	8	8	8
		1,041,201	888,519	973,322	975,192	1,012,067	1,012,415	1,034,067
8	8	8	8	8	8	8	8	8
206,493	94,666	2,046,046	1,911,325	2,143,408	2,151,637	2,215,160	2,211,174	2,228,244
152	152	149	149	149	150	151	151	152
834,082	1,351,199	8,827,489	8,686,788	8,261,356	7,720,414	7,454,205	7,350,301	7,185,689

Peak Nov-17	Peak Dec-17	CY						
		2011 Total	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total
		148	149	149	150	151	152	152
		1,717,375	1,606,077	1,539,159	1,413,982	1,281,335	1,191,763	1,149,451
152	152	148	149	149	150	151	151	152
834,082	1,351,199	10,544,864	10,292,865	9,800,515	9,134,396	8,735,540	8,542,064	8,335,140
139	139	131	133	134	135	137	137	138
392,381	1,028,874	7,969,401	9,133,173	8,482,247	7,693,959	7,568,928	7,650,326	7,322,311
		131	133	134	135	136	138	139
		707,716	828,682	831,826	600,617	317,392	230,461	242,106
139	139	131	133	134	135	136	138	139
392,381	1,028,874	8,677,117	9,961,855	9,314,073	8,294,575	7,886,320	7,880,788	7,564,418
24	24	24	24	24	24	24	24	24
452,151	774,280	6,473,199	6,501,831	5,933,596	5,054,775	4,656,433	4,495,629	4,258,526
		24	24	24	24	24	24	24
		1,240,706	1,208,724	1,208,625	1,000,023	761,284	623,868	578,705
24	24	24	24	24	24	24	24	24
452,151	774,280	7,713,905	7,710,555	7,142,221	6,054,798	5,417,717	5,119,498	4,837,231
5	5	5	5	5	5	5	5	5
58,705	226,652	919,891	1,137,370	1,004,781	824,642	842,468	911,520	935,575
		5	5	5	5	5	5	5
		52,487	73,033	72,713	34,625	3,629	4,756	17,685
5	5	5	5	5	5	5	5	5
58,705	226,652	972,378	1,210,403	1,077,494	859,267	846,097	916,275	953,260
<b>1,978</b>	<b>1,976</b>	<b>1,882</b>	<b>1,926</b>	<b>1,943</b>	<b>1,952</b>	<b>1,960</b>	<b>1,967</b>	<b>1,975</b>
<b>8,258,706</b>	<b>11,077,810</b>	<b>98,431,882</b>	<b>99,661,404</b>	<b>100,127,701</b>	<b>96,884,516</b>	<b>96,242,702</b>	<b>96,503,697</b>	<b>96,298,314</b>

FY						9		
2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2011Q	2010Q2	
<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	PY 2011/12 <u>Total</u>		
428	430	431	433	434	435	428	476	(48)
6,627,099	6,436,977	6,006,351	5,880,633	5,984,385	6,014,178	6,806,074		
428	428	430	432	433	436	428		
1,912,755	1,755,709	1,658,096	1,475,629	1,272,665	1,133,685	1,755,709		
428	429	431	432	434	435	428	476	(48)
8,539,854	8,192,686	7,664,447	7,356,262	7,257,050	7,147,862	8,561,783	6,272,284	2,289,499
996	1,024	1,033	1,037	1,041	1,044	1,006		
9,424,454	9,978,299	10,531,883	11,030,008	11,528,029	12,051,710	9,679,565		
978	1,019	1,030	1,035	1,040	1,044	1,019		
2,433,937	2,546,313	2,749,933	2,896,571	2,834,135	2,792,143	2,546,313		
987	1,021	1,031	1,036	1,040	1,044	1,012	657	356
11,858,390	12,524,612	13,281,817	13,926,578	14,362,164	14,843,853	12,225,878	6,605,280	5,620,598
68	69	69	69	69	69	68		
3,503,646	3,759,582	3,959,205	3,913,486	4,033,170	4,090,634	3,560,679		
69	69	69	69	69	69	69		
2,709,966	2,299,094	2,533,639	2,462,700	2,574,750	2,605,224	2,299,094		
69	69	69	69	69	69	69	81	(13)
6,213,612	6,058,676	6,492,845	6,376,186	6,607,920	6,695,858	5,859,773	6,592,613	(732,840)
43	44	44	44	44	44	43		
1,703,795	1,826,083	1,945,591	1,950,706	1,988,981	1,993,964	1,736,786		
43	44	44	44	44	44	44		
1,231,855	1,099,927	1,191,047	1,207,371	1,246,734	1,248,393	1,099,927		
43	44	44	44	44	44	44	36	8
2,935,650	2,926,009	3,136,638	3,158,077	3,235,715	3,242,357	2,836,713	1,496,850	1,339,863
50	50	50	50	50	50	50		
22,310,137	22,740,870	23,076,655	22,926,094	23,174,991	23,117,711	22,437,082		
50	50	50	50	50	50	50		
17,423,347	16,659,934	17,083,943	16,900,151	17,084,518	17,086,257	16,659,934		
50	50	50	50	50	50	50	47	3
39,733,484	39,400,803	40,160,598	39,826,245	40,259,509	40,203,968	39,097,016	38,268,574	828,441
8	8	8	8	8	8	8		
983,361	1,091,651	1,179,362	1,167,917	1,195,693	1,206,241	1,008,750		
8	8	8	8	8	8	8		
1,041,201	888,519	973,322	975,192	1,012,067	1,012,415	888,519		
8	8	8	8	8	8	8	3	5
2,024,563	1,980,170	2,152,684	2,143,109	2,207,759	2,218,656	1,897,269	175,560	1,721,709
149	149	150	150	151	152	149		
8,778,574	8,421,249	7,940,238	7,575,833	7,411,753	7,243,772	8,836,081		

FY						9				
2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2011Q	2010Q2			
Total	Total	Total	Total	Total	Total	PY	PY			
Total	Total	Total	Total	Total	Total	2011/12	2011/12			
Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
148	149	149	150	151	152	149				
1,717,375	1,606,077	1,539,159	1,413,982	1,281,335	1,191,763	1,606,077				
148	149	149	150	151	152	149	171	(22)	-13.1%	
10,495,949	10,027,326	9,479,398	8,989,815	8,693,088	8,435,535	10,442,158	9,335,712	1,106,447	11.9%	
132	134	135	136	137	138	133				
8,759,605	8,762,188	8,030,685	7,673,142	7,649,281	7,468,023	9,290,590				
131	133	134	135	136	138	133				
707,716	828,682	831,826	600,617	317,392	230,461	828,682				
132	133	135	136	137	138	133	124	9	6.9%	
9,467,320	9,590,870	8,862,511	8,273,759	7,966,673	7,698,484	10,119,272	5,899,459	4,219,813	71.5%	
24	24	24	24	24	24	24				
6,531,315	6,166,365	5,415,707	4,836,535	4,578,081	4,357,927	6,685,467				
24	24	24	24	24	24	24				
1,240,706	1,208,724	1,208,625	1,000,023	761,284	623,868	1,208,724				
24	24	24	24	24	24	24	25	(1)	-2.0%	
7,772,021	7,375,089	6,624,332	5,836,558	5,339,365	4,981,796	7,894,191	5,471,580	2,422,611	44.3%	
5	5	5	5	5	5	5				
1,078,990	1,062,978	898,905	842,905	886,002	926,477	1,160,678				
5	5	5	5	5	5	5				
52,487	73,033	72,713	34,625	3,629	4,756	73,033				
5	5	5	5	5	5	5	3	2	87.5%	
1,131,477	1,136,011	971,618	877,530	889,631	931,232	1,233,710	231,610	1,002,100	432.7%	
<b>1,893</b>	<b>1,932</b>	<b>1,946</b>	<b>1,954</b>	<b>1,961</b>	<b>1,969</b>	<b>1,921</b>	<b>1,622</b>	<b>299</b>	<b>18.4%</b>	
<b>100,172,321</b>	<b>99,212,253</b>	<b>98,826,887</b>	<b>96,764,121</b>	<b>96,818,875</b>	<b>96,399,602</b>	<b>100,167,764</b>	<b>80,349,522</b>	<b>19,818,242</b>	<b>24.7%</b>	
						52,139.0	49,537.3	2,602	5.3%	