



**Rhode Island  
Energy™**  
a PPL company

2024 Rhode Island  
**Commercial & Industrial  
Boiler Tune-Up Program**

Tuning up your equipment optimizes the air-fuel mixture for the operating range of the boiler, ensuring less fuel is wasted while reducing emissions of hazardous air pollutants produced by inefficient combustion. Rhode Island Energy is here to help you implement this smart energy management practice.

1-800-843-3636  
[energyefficiency@rienergy.com](mailto:energyefficiency@rienergy.com)  
[www.rienergy.com/business](http://www.rienergy.com/business)



**INSTRUCTIONS:** To qualify for an incentive, boiler tuning must be performed with accordance to Rhode Island Energy’s program guidelines and by a pre-approved vendor. This program is NOT for New Construction projects. This application must be completed in its entirety. If your application includes multiple boilers in the same building, a separate Section #5, #6 and #7 must be completed for each boiler and submitted as part of this application. Failure to provide Pre- and Post-Combustion Reports will invalidate the application. Failure to provide Pre- and Post-Combustion Reports will invalidate the application.

Boilers that are dirty and have not been cleaned in the last year are not eligible for this program. Boilers that are in serious disrepair including corroded heat exchanger surfaces, excessive refractory compromises, leaks, inadequate pressure relief control and inoperable controls are not eligible for this program.

**SECTION 1: CUSTOMER INFORMATION**

COMPANY NAME			INSTALLATION SITE		
INSTALLATION ADDRESS			MAILING ADDRESS (if different than site address)		
CITY	STATE	ZIP	CITY	STATE	ZIP
GAS ACCOUNT NUMBER			PRIMARY CONTACT		
YEAR FACILITY BUILT:			EMAIL ADDRESS		
TOTAL FACILITY SQ. FT.:			PHONE NUMBER		

BUILDING USE/TYPE: \_\_\_\_\_  
 OTHER GAS EQUIPMENT OPERATING ON THIS METER \_\_\_\_\_  
 APPROX. BTU \_\_\_\_\_

**SECTION 2: PAYMENT METHOD (Direct to contractor)**

CHECK PAYABLE TO:  Contractor/Installer      COMPANY TYPE (CHECK ONE):  Incorporated     Not incorporated     Exempt  
 PAYEE TAX ID# \_\_\_\_\_

**SECTION 3: CONTRACTOR INFORMATION**

CONTRACTOR/INSTALLER		CONTACT PERSON	
STREET ADDRESS	CITY	STATE	ZIP
EMAIL ADDRESS		PHONE	

**SECTION 4: CUSTOMER ACKNOWLEDGEMENT**

This section certifies that all statements made in this application are correct to the best of my knowledge and that I have read and agreed to the Terms and Conditions.

COMPLETION DATE	NAME (PRINT)	AUTHORIZED SIGNATURE <b>X</b>	DATE
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**SECTION 5: BOILER INFORMATION** (This section must be completed for each boiler being serviced)

Before any analysis is performed, boilers must be operating in a steady state condition. For steam boilers, verify that boiler is operating at design steam pressure and that condensate return is within normal expected temperature range before any pre- or post-analysis. For hot water boilers, verify that boiler is producing supply hot water at set point and that the return hot water is within normal expected range before any pre- or post-analysis.

MAINTENANCE INFORMATION	
Date of last tune-up (if available):	Recent repairs & other maintenance info:
EQUIPMENT INFORMATION	
<b>Boiler:</b> <input type="checkbox"/> Steam <input type="checkbox"/> Hot Water	<b>Burner:</b> <input type="checkbox"/> Gas-fired <input type="checkbox"/> Dual Fuel-Gas/( <input type="checkbox"/> #2, <input type="checkbox"/> #4, <input type="checkbox"/> #6 oil) <input type="checkbox"/> Heating <input type="checkbox"/> Process
Steam Pressure (psig):	
Manufacturer:	Manufacturer:
Model Number:	Model Number:
Serial Number:	Serial Number:
Rated Horsepower:	Max. Input (MBH):
Annual Operating Hours:	Min. Input (MBH):
Year Built:	Year Built:
Existing Controls <sup>1</sup> (check all that apply): <input type="checkbox"/> Linkage Controls <input type="checkbox"/> Parallel Positioning (Servos) <input type="checkbox"/> O2 Trim (FGA) <input type="checkbox"/> Other, describe: _____	Burner Modulation (select one): <input type="checkbox"/> One Stage (high only) <input type="checkbox"/> Two Stage (high/low) <input type="checkbox"/> Fully Modulating <input type="checkbox"/> Other (describe): _____

**SECTION 6: TUNE-UP INFORMATION** (This section must be completed for each boiler being serviced)

All combustion analysis readings should be taken at the 4 Operating Levels (High Fire, Medium Fire, Low Fire, and Standby) prior to any tuning, then taken again at all levels after all tuning is completed at all firing rates. Please do not take pre- and post-readings and tune as you change the firing rates. In addition to filled out forms, service providers should provide tapes or readouts or pictures of the actual combustion analysis readouts from the electronic analyzer to back up the data.

Record conditions based on burner/boiler capabilities	High %FR _____	Medium %FR _____	Low %FR _____	Standby %FR _____
Annual Operating Hours at Load				
Pre-Service				
Efficiency Reported %				
Stack Temperature (°F)				
Combustion Air Temperature (°F)				
Instrument Temperature (°F)				
Net Stack Temperature (°F)				
Excess Oxygen (O <sub>2</sub> ) Level %				
Carbon Monoxide (CO) Level-ppm				
Post-Service				
Efficiency Reported %				
Stack Temperature (°F)				
Combustion Air Temperature (°F)				
Instrument Temperature (°F)				
Net Stack Temperature (°F)				
Excess Oxygen (O <sub>2</sub> ) Level %				
Carbon Monoxide (CO) Level-ppm				

**SECTION 7: COMBUSTION ANALYZER INFORMATION**

(Please describe the combustion analyzer used for testing, manufacturer and model number, and attach a current calibration certificate for the electronic combustion analyzer.)

**SECTION 8: PROJECT COSTS AND INCENTIVE<sup>2</sup>**

Total Eligible Project <sup>3</sup> Cost (Attach customer invoice)	\$
Number of Boilers Tuned	
Total Eligible Incentive	\$

<sup>1</sup> Burners/boilers with existing Parallel Positioning (Servos) and O<sub>2</sub> Trim (FGA) are not eligible to receive the Boiler Tune-Up incentive.

<sup>2</sup> Incentives up to \$1,000 are available for the first eligible boiler on a customer account and up to \$500 per additional boiler on the same account.

Eligible boilers are defined as firetube and watertube boilers 4,200 MBH input rating and up without parallel positioning or oxygen trim controls. <sup>3</sup> Total Project Cost should include labor and analyzer costs only; truck charges and materials not included.

**SECTION 9: REQUIREMENTS CHECKLIST** (The tune-up shall include all of the following that apply):

- Measure combustion efficiency **PRIOR** to tune-up using an electronic flue gas analyzer.
- Adjust airflow and reduction of excessive stack temperatures.
- Adjust burner and gas input, manual or motorized draft control.
- Check for proper venting.
- Complete visual inspection of system piping and insulation.
- Check safety and interlock controls.
- Check adequacy of combustion air intake/supply.
- Inspect all refractory and inspect for "hot spots".
- External inspection of gaskets on front and rear doors.
- Check and flush low and auxiliary low water cut-off controls.
- Clean burner and burner pilot and check gas ring or spuds.
- Check pilot electrode and adjust if necessary.
- Clean air damper and blower assembly.
- Clean motor starter contacts and check operation.
- Check for leaks and/or vibration.
- Check motor drive links, lubrication requirements and packing glands.
- Inspect general burner operation and make necessary adjustments to burner for proper combustion.
- Perform all flame safeguard and safety trip checks.
- Check all hand hole plates and manhole plates for leaks at normal operating temperatures and pressures.
- Record boiler system problems recognized during the visit.
- Measure combustion efficiency **AFTER** tune-up using an electronic gas analyzer.

**SECTION 10: NOTES**

If specific tune-up requirements are unable to be achieved or performed, please explain the situation in detail below. If the efficiency post tune-up is lower than the efficiency prior to the tune-up, contractor must list the reason why it was not possible to obtain any efficiency improvement.

**SECTION 11: ADDITIONAL ENERGY EFFICIENCY OPPORTUNITIES** (Select from below):

- Pipe, valve, tank insulation
- Water chemistry/quality issues
- Blowdown (controls, reduction, heat recovery)
- Steam Trap Survey
- Customer recommended for/interested in receiving a free scoping walkthrough to identify additional opportunities.
- Combustion controls
- Stack economizer/heat recovery
- VFDs (pumps and fans)
- Other (describe): \_\_\_\_\_

## TERMS AND CONDITIONS

Rhode Island Energy is offering the Boiler Tune-up Program to its commercial customers in the State of Rhode Island in order to test the energy saving impact of these tune ups on commercial boilers. Rhode Island Energy has engaged RISE Engineering ("RISE") to administer the Program and test the energy saving strategy. Any commercial customer who would like to participate in the Program shall agree to the requirements in the Program Materials and the terms and conditions ("Terms and Conditions") set forth below.

**1. Definitions:** "Customer" means the commercial customer maintaining an account for service with Rhode Island Energy.

"EEM(s)" means the energy efficiency measure in the form of boiler tune-ups performed by the Customer's licensed contractor.

"Facility" means the Customer facility to which Rhode Island Energy provides gas services where EEM(s) are to be completed.

"Incentives" means payment(s) by Rhode Island Energy to the Customer's licensed contractor who performs the EEMs, which range from up to \$1,000 for the first boiler and up to \$500 for additional boilers at the same Facility.

"Program" means the Boiler Tune-Up Program offered by Rhode Island Energy to Customers.

"Rhode Island Energy" means The Narragansett Electric Company.

"Program Materials" means the documents and information provided by Rhode Island Energy or its agent(s) specifying the qualifying EEM(s), technology requirements, costs and other Program requirements, which include, without limitation, program guidelines and requirements, application forms and approval letters.

"RISE" or "RISE Engineering" is Rhode Island Energy and evaluation contractor engaged by Rhode Island Energy to administer the Program and perform the evaluations on behalf of Rhode Island Energy in connection with the Program.

**2. Application Process and Requirements for Rhode Island Energy Approval:**

- (a) The Customer shall submit a completed application provided by Rhode Island Energy and may be required to provide a copy of the detailed specifications and scope of work as well as an analysis of the savings and/or demand reduction for the EEM(s) proposed for approval. Customer shall, upon request by Rhode Island Energy or RISE, provide a copy of the as-built drawings and equipment submittals for the Facility after EEM(s) are completed. This analysis shall be prepared by a licensed contractor with a license in the state where the Facility is located and EEM(s) are performed.
- (b) Rhode Island Energy or RISE will review the Customer's application and supporting documentation to determine the energy savings and demand reduction potential. Rhode Island Energy reserves the right to approve or deny of any application or proposed EEM(s). Rhode Island Energy reserves the right to reject or modify any calculations, based on Rhode Island Energy's own analysis.
- (c) Rhode Island Energy is not obligated to pay any Incentive unless the authorized representative of Rhode Island Energy issues an approval letter regarding the EEM(s) proposed by the Customer, and any necessary pre- and post- verification successfully completed by Rhode Island Energy. Rhode Island Energy's approval letter shall state the maximum approved Incentive amount and the date by which the EEM(s) must be fully completed to qualify for Incentive payments. Rhode Island Energy may also require the Customer to execute additional agreements, or provide other documentation regarding the proposed completion of the EEM(s) and Incentive payment(s).

**3. Customer's Responsibilities for Equipment and Completion of EEM Work:** To the extent applicable, the Customer shall:

- (i) select its own licensed contractor to perform the EEM(s), and
- (ii) ensure that such licensed contractor is properly qualified, licensed and insured.
- (iii) be responsible for ensuring that the EEM(s) are completed and operated in accordance with applicable laws, regulations and codes and all that applicable permits and inspections are obtained.
- (iv) Inspect the work performed by the licensed contractor and determine whether such work was properly performed.
- (v) ensure that the equipment is in good working order and condition and that the equipment is of the manufacture, design specifications, size and capacity selected by the customer and that the same is properly completed and suitable for customer's purposes.
- (vi) provide Rhode Island Energy or RISE with copies of all invoices and related documents (including all materials, labor, and equipment discounts) relating to the purchase and completion of the EEM(s). Invoices must be itemized, detailed and include the model, quantity and cost for each EEM, and shall identify any applicable discounts or other incentives.
- (vii) provide detail on the location of the EEM(s) and such other documentation and information for the EEM(s) as specified and requested by Rhode Island Energy or RISE, including, without limitation, copies of permits, supplier invoices, orders and records. Rhode Island Energy reserves the right to determine, in its reasonable discretion, the costs of EEM(s) in order to calculate the Incentive amount.

**4. Pre- and Post-Completion Verification:** Pre- and post-verification by Rhode Island Energy and/or RISE is required before the Incentive can be paid. The Customer shall allow the Rhode Island Energy and/or RISE to perform pre- and post-installation verification inspections as needed. The Customer agrees to allow Rhode Island Energy and RISE access to the Premises to inspect the Facility. If the Premises does not meet installation requirements, in Parties sole discretion of any of the Program Parties, the Equipment will not be installed and Rhode Island Energy may terminate the Customer's participation in the Program. If Rhode Island Energy or RISE determines that any EEM(s) were not completed in accordance with these Terms and Conditions and the Program Materials, Rhode Island Energy may, in its sole discretion, require modifications before the Incentive is paid. Rhode Island Energy may, in its sole discretion, withhold payment of Incentives until Rhode Island Energy or RISE verifies that the Customer has received, as appropriate, final drawings, operation and maintenance manuals, and operator training, and Rhode Island Energy or RISE has received documentation detailing the completion of the EEM(s) in accordance with these Terms and Conditions and the Program Materials.

**5. Monitoring and Inspection:** After completion of the EEM(s), the Customer shall allow Rhode Island Energy and/or RISE to access to the Facility in order to monitor or inspect boilers for three (3) years. The Customer shall provide access and information to Rhode Island Energy and RISE. However, neither Rhode Island Energy nor RISE shall perform any kind of safety, code or other compliance review.

**6. Incentive Payments:**

- (a) Once an Incentive amount is pre-approved, Rhode Island Energy shall pay no more than the pre-approved Incentive amount to the Customer's licensed contractor. Rhode Island Energy may, in its sole discretion, adjust and/or negotiate the Incentive amount. Further, Rhode Island Energy may, in its sole discretion, reduce or deny any payment(s) of the Incentive to the Customer's licensed contractor if (i) the quantity and/or qualifying costs of EEM(s) actually completed differs from the pre-approved amounts, or (ii) the EEM(s) were not completed in accordance with these Terms and Conditions and the Program Materials, or which have not been properly maintained, have been altered or disconnected, or in the event of a shutdown or significant reduction of operations at the Facility where the EEM(s) are located.

**TERMS AND CONDITIONS (continued)**

- (b) The Customer shall have no right to receive, and Rhode Island Energy shall not be obligated to pay, Incentives for any EEM(s) that have not been pre-approved in writing by Rhode Island Energy or RISE.
7. **Completion Schedule Requirements:** If performance of the approved EEM(s) is not completed within twelve (12) months of the date Rhode Island Energy issues the approval letter Rhode Island Energy may terminate the Customer's participation in the Program and any obligation to make Incentive payments in accordance with these Terms and Conditions.
8. **Incentive Payment Conditions:** If the Customer satisfies its obligations under these Terms and Conditions and the Program Materials, Rhode Island Energy shall pay the Incentive amount to the Customer's licensed contractor within forty-five (45) days after all of the following conditions are satisfied: (i) Rhode Island Energy approval of the EEM project has been provided; (ii) all applicable permits, licenses and inspections have been obtained by the Customer; (iii) completion of the EEM(s) has been completed in accordance with the Terms and Conditions and Program Materials and requirements; and (iv) Rhode Island Energy or RISE has verified all product and completion costs and the satisfactory completion of the EEM(s), all in accordance with the terms hereof.
9. **Maintenance:** Customer shall operate and maintain the boiler equipment in accordance with the manufacturer's manual and guidelines. The Customer shall replace consumable parts and other components with comparable or superior efficient products at the Customer's sole expense.
10. **Termination or Modification of the Program:** Program expenditures, requirements and eligibility, these Terms & Conditions and any Program Materials may be changed by Rhode Island Energy at any time without notice. Further, Rhode Island Energy may, in its sole discretion, at any time, terminate or modify the Program and/or deny or terminate the Customer's participation in the Program. Rhode Island Energy may, in its sole discretion, prevent or deny a vendor or contractor from performing the EEM(s) under the Program.
11. **Publicity of Customer Participation:** The Customer grants to Rhode Island Energy the right to use and reference for promotional and regulatory purposes the Customer's participation in the Program, the details of the EEM and the energy savings, the amount of Incentives paid, and any other information relating to the Customer's participation in the Program.
12. **Indemnification and Liability:**
- (a) Customer shall indemnify, defend and hold harmless Rhode Island Energy, RISE and their respective affiliates, contractors, officers, directors, employees, agents, and representatives ("Indemnified Parties") from and against any and all claims, damages, losses and expenses, including reasonable attorneys' fees and costs incurred to enforce this indemnity, to the extent arising out of or resulting from Customer's Participation in the Program ("Claims") resulting from the act or omission of the Customer or any of the Customer's contractors, or agents except to the extent that any Claims are caused by the negligence or willful misconduct of the Indemnified Parties.
  - (b) Except for liability in connection with the Customer's indemnity obligations hereunder, neither Rhode Island Energy nor the Customer shall be liable in connection with the Program for any indirect, exemplary, incidental, special, punitive or consequential damages.
  - (c) The provisions of this Section shall survive the termination, cancellation or completion of the Customer's participation in the Program or these Terms and Conditions.
13. **No Warranties or Representations by Rhode Island Energy:**
- (a) RHODE ISLAND ENERGY DOES NOT ENDORSE, GUARANTEE, OR WARRANT ANY CONTRACTOR, MANUFACTURER OR PRODUCT, AND RHODE ISLAND ENERGY MAKES NO WARRANTIES OR GUARANTEES IN CONNECTION WITH ANY EEM, PROJECT, OR ANY WORK, SERVICES OR ITEMS PERFORMED IN CONNECTION HERewith OR THEREWITH, WHETHER STATUTORY, ORAL, WRITTEN, EXPRESS, OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. CUSTOMER ACKNOWLEDGES AND AGREES THAT ANY WARRANTIES PROVIDED BY ORIGINAL MANUFACTURERS, LICENSORS, CONTRACTORS OR PROVIDERS OF MATERIAL, EQUIPMENT, SERVICES OR OTHER ITEMS PROVIDED OR USED ("THIRD PARTY WARRANTIES") ARE NOT TO BE CONSIDERED WARRANTIES OF RHODE ISLAND ENERGY AND RHODE ISLAND ENERGY MAKES NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES AS TO THE APPLICABILITY OR ENFORCEABILITY OF ANY SUCH THIRD PARTY WARRANTIES. THE TERMS OF THIS SECTION SHALL GOVERN OVER ANY CONTRARY VERBAL STATEMENTS OR LANGUAGE APPEARING IN ANY RHODE ISLAND ENERGY'S OTHER DOCUMENTS.
  - (b) Rhode Island Energy, RISE are not responsible for determining that the design, engineering or completion of the EEM(s) is proper or complies with any particular laws, codes, or industry standards. Rhode Island Energy does not make any representations of any kind regarding the benefits or energy savings to be achieved by the EEM(s) or the adequacy or safety of the EEM(s) or any equipment.
  - (c) The provisions of this Section shall survive the termination, cancellation or completion of the Customer's participation in the Program.
14. **Energy Benefits:** Other than the energy cost savings realized by Customer, Rhode Island Energy is entitled to 100% of the benefits and rights associated with the EEM(s), including without limitation ISO-NE products and all other attributes, credits or products associated therewith under any regional initiative or federal, state or local law, program or regulation or program, and Customer waives, and agrees not to seek, any right to the same.
15. **Customer Must Declare and Pay All Taxes:** The benefits conferred upon the Customer through participation in this Program may be taxable by the federal, state, and local government. The Customer is responsible for declaring and paying all such taxes. Rhode Island Energy is not responsible for the payment of any such taxes.
16. **Miscellaneous:** These Terms and Conditions and the Program Materials constitute the governing documents for the Customer's participation in this Program, and any and all previous representations or agreements with respect to the Customer's participation in the Program, either oral or written, are null and void and hereby superseded. Paragraph headings are for the convenience of the parties only and are not to be construed as part of these Terms and Conditions. If any provision of these Terms and Conditions is deemed invalid by any court or administrative body having jurisdiction, such ruling shall not invalidate any other provision, and the remaining provisions shall remain in full force and effect in accordance with their terms. These Terms and Conditions shall be interpreted and enforced according to the laws of Rhode Island. In the event of any conflict or inconsistency between these Terms and Conditions and any Program Materials, these Terms and Conditions shall be controlling. Except as expressly provided herein, there shall be no modification or amendment to these Terms and Conditions or the Program Materials unless such modification or amendment is in writing and signed by a duly authorized representative of Rhode Island Energy.