

Your complete guide to converting to natural gas.

nationalgrid





UNDERSTANDING YOUR OPTIONS

This guide provides the information and forms that you will need to convert your home to clean, efficient natural gas. And, National Grid will be right beside you every step of the way.

Determine the availability of gas in your neighborhood.

page to help get your neighbors on board so you can all get natural gas.

Getting started is as simple as a phone call. Before you begin the conversion process, it's important to determine how far away your home is from the natural gas line. Call **1-877-MyNGrid** (877-696-4743) and we will analyze the availability of gas in your area.

If natural gas is not in front of your house, National Grid will provide up to 100 feet of main for free. National Grid will also provide up to 100 feet of service line from the meter location to the street. If any additional main or service line is required, we will provide a quote free of charge. **Please use the information sheet on the last**



Let us help you select a plumber.

It's important to work with a qualified, licensed plumbing and heating professional when converting your home to natural gas. **And, National Grid can make it easy.**

- If you have already selected a plumber, contact them directly to start the conversion process.
- Or, call **1-877-MyNGrid** to request contact information for one or more of our National Grid Value Plus Installers.



Choosing the right equipment for your home.

Now that you've selected a plumber, you will work with them to select the optimal heating system. Explore all options with your plumber to design the best system for your home.



Asking the right questions to design your system.

Use the **Questions to Ask Your Plumber** quick reference guide to help you get the most out of your discussion.



Rebates can open up even more options.

We provide valuable incentives and rebates on high-efficiency equipment to

make it easier for your family to save, year-in and year-out. View the **Eligible Heating Equipment and Pricing List** which includes a listing of available incentives and rebates.



Keeping you on track.

Use the **Conversion Checklist** to mark all the steps that you complete.





CONVERTING YOUR HOME

Submit the Residential Gas Service Agreement and get started.

Now that you have selected your plumbing and heating professional, and understand your options and costs, it's simple to get the conversion process underway.

Print the **Residential Gas Service Agreement** form and working with your plumber, fill it out and email it to **NESales@nationalgrid.com** or fax it to **315-460-9033**. You may also mail it to: National Grid, 40 Sylvan Rd, Waltham, MA 02451 Attn: NESales (E1).

Additional Service Line Charges: If your home requires greater than 100 feet of service or main, National Grid will send you a quote with options for payment.



Timing of your job.

Service Line Installation (gas is on your road): Depending on project scope will take 8-12 weeks. Gas Main and Service Line Installation: Depending on project scope will take 12-14 weeks.

*Please note: If you live on a State or County Road, add an additional 4-6 weeks to the time line above.

Energy-efficiency heating and control rebates.

We offer rebates on qualifying energy-efficiency equipment for residential, commercial, and multifamily gas heating customers. Installing high-efficiency equipment helps you reduce energy usage, lower your energy bills and ensure a cleaner, "greener" future!

Go to **ngrid.com/ma-rebates** to submit your rebate applications online or print and mail. Customers who do not have online access can call **1-877-316-9491** to receive an energy efficiency rebate application.

Incentives on high-efficiency equipment are limited and available on a first-come, first-serve basis.

Your home's conversion is now underway.

This is what you should expect to happen:

- Call the National Grid Customer Service center at **1-800-930-5003** to establish your customer ID and submit your application.
- We will review your application, design your project, apply for road opening permits, and provide you with an estimated installation date.
- We will install the gas service line to your home then loom and seed any excavated lawn areas.
- 4 Your plumber will install your new heating equipment.
- Your plumber will schedule an inspection with your local municipality.

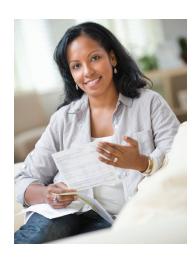


To better understand what you must do during the rest of this process, please review the **Roles & Responsibilities** quick reference guide.





REAPING THE REWARDS



Congratulations!

Now that you have converted to natural gas you are benefiting from:

- the tremendous price advantage compared with heating oil to cut utility bills,
- lower CO₂ emissions to preserve the planet,
- greater reliability and convenience,
- less soot for a cleaner home.

Don't stop there – take advantage of these valuable incentives.

Claim applicable rebates and rewards by:

- Visiting ngrid.com/ma-rebates to submit your rebate applications online or print and mail. Customers who do not have online access can call 1-877-316-9491 to receive an energy efficiency rebate application.
- If you selected a Burnham Boiler, visit conversionprogram.net clicking on "Register My Owner Rebate" and using your Order Number provided by your plumber, as well as your equipment model and serial number.

THAT'S IT! Your home is now energy efficient and saving you money!



QUESTIONS? National Grid will be right beside you every step of the way. If you have any questions, please contact us at: 1-877-MyNGrid.





QUESTIONS TO ASK YOUR PLUMBER

Explore all options to design the best system for your home.

What type and size equipment will I need? (A heat load analysis is the best way to determine the type and size of equipment needed.)
Is a Conversion Burner an option?
Can I install high-efficiency equipment?
Will I need to install a chimney liner?
What options do I have for my existing oil tank after I convert?
What equipment venting options do I have?
When should I cancel my oil delivery?







ROLES & RESPONSIBILITIES

Working together, we can make this process easy and rewarding.

National Grid's responsibility:

- Reviewing your application
- Designing your project
- Applying for the necessary permits from your municipality to excavate on your street and property
- Providing you with an estimated installation date once the permits have been received
- Installing the gas service line to your home

- Loom and seed
- Temporarily patching the road to make the excavation area safe
- Installing your home's gas meter
- Performing final road restoration (weather permitting)

The plumber's responsibility:

- Correctly size the best heating system for your home
- Provide quote for their work
- Install gas equipment
- Contact National Grid to schedule and meter set appointment at 1-877-597-0426

Your responsibility:

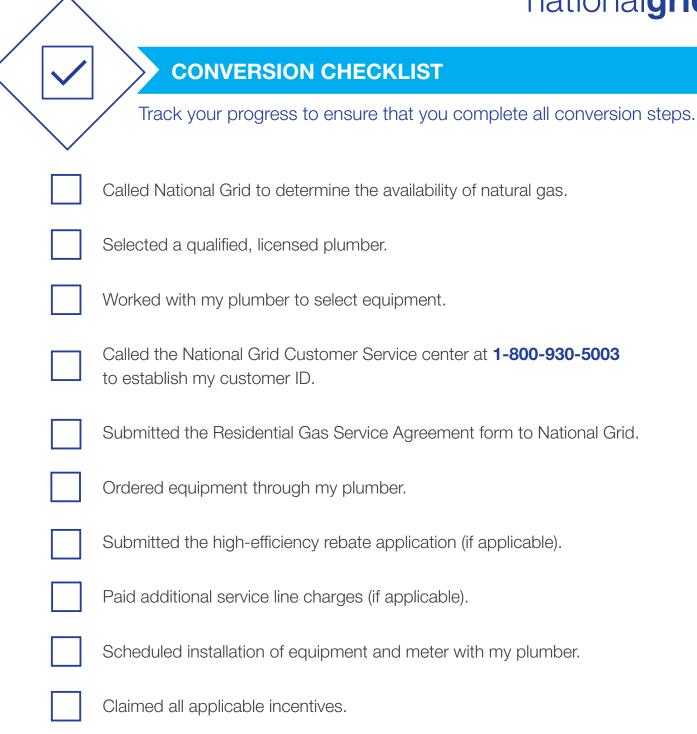
- Obtain a plumber
- Call the National Grid Customer Service center at 1-800-930-5003 to establish your customer ID
- Work with your licensed plumber to complete and submit a Residential Gas Service Agreement form
- Send in a payment (if applicable)
- Cancel your oil delivery when new equipment and meter are installed



QUESTIONS? National Grid will be right beside you every step of the way.

If you have any questions, please contact us at: 1-877-MyNGrid.





Cancelled oil deliveries.

Massachusetts and Rhode Island Eligible Residential Heating Equipment and Pricing

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National Grid requires contractors to supply customers with the most efficient equipment models available for their home.

Offer effective:

January 1 - June 30, 2019

All Equipment is required to be ordered online at www.conversionprogram.net	

BURNHAM HE COMBI & HEATING BOILERS	Model #	Input	AFUE	Equipment Price	MA Upcharge 6.25% Tax Included	RI Upcharge 7.0% Tax Included	Visa Rebate Card	MA EE Mail-In Rebates	RI EE Mail-In Rebates
K2 Water Tube Combi Available February 1, 2018	K2WTC-135B-6T00 Combi K2WTC-180B-6T02 Combi	180,000 120,000	95.0% 95.0%	\$1,710.13 \$2,074.61	\$1,817.01 \$2,204.27	\$1,829.84 \$2,219.83	\$ 400.00 \$ 400.00	\$2,400 \$2,400	\$1,200 \$1,200
Aspen Fire Tube Combi	ASPNC-155A-6LT00 Combi	155,000	95.0%	\$2,914.22	\$3,096.36	\$3,118.22	\$ 300.00	\$2,400	\$1,200
K2 Series Condensing Water Tube 10:1	K2WT-080B-6T00 K2WT-100B-6T00 K2WT-120B-6T00 K2WT-150B-6T00 K2WT-180B-6T02	80,000 100,000 120,000 150,000 180,000	95.0% 95.0% 95.0% 95.0% 95.0%	\$1,737.36 \$1,793.51 \$1,888.76 \$2,045.17 \$2,185.59	\$1,845.95 \$1,905.60 \$2,006.81 \$2,172.99 \$2,322.19	\$1,858.98 \$1,919.06 \$2,020.97 \$2,188.33 \$2,338.58	\$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00	\$2,750 \$2,750 \$2,750 \$2,750 \$2,750	\$ 800 \$ 800 \$ 800 \$ 800 \$ 800
Aspen Condensing Fire-Tube 10:1	ASPN-085A-6L00M ASPN-110A-6L00M ASPN-155A-6L00M ASPN-205A-6L00M ASPN-270A-6L00M	85,000 110,000 155,000 205,000 270,000	95.0% 95.0% 95.0% 95.0% 95.0%	\$2,185.41 \$2,297.70 \$2,690.01 \$3,277.97 \$3,899.74	\$2,322.00 \$2,441.31 \$2,858.14 \$3,482.84 \$4,143.47	\$2,338.39 \$2,458.54 \$2,878.31 \$3,507.43 \$4,172.72	\$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00	\$2,750 \$2,750 \$2,750 \$2,750 \$2,750	\$ 800 \$ 800 \$ 800 \$ 800 \$ 800
Alpine Condensing 5:1 Alpine 500-800 available, see Portal for Pricing	ALP080BW-4T02 ALP105BW-4T02 ALP150BW-4T02 ALP210BW-4T02 ALP285BF-4T07 ALP399CF-4L00	80,000 105,000 150,000 210,000 285,000 399,000	95.0% 95.0% 95.0% 95.0% 95.0% 94.1%	\$2,544.99 \$2,809.77 \$3,249.81 \$3,647.94 \$5,044.89 \$6,884.31	\$2,704.05 \$2,985.38 \$3,452.92 \$3,875.94 \$5,360.20 \$7,314.58	\$2,723.14 \$3,006.45 \$3,477.30 \$3,903.30 \$5,398.03 \$7,366.21	\$ 325.00 \$ 500.00 \$ 500.00 \$ 600.00 \$ 600.00	\$2,750 \$2,750 \$2,750 \$2,750 \$2,750 \$2,750	\$ 800 \$ 800 \$ 800 \$ 800 \$ 800 \$ 800
BURNHAM MID- EFFICIENCY BOILERS Series 2 - Forced Hot Wa Natural Draft Sizes 207-210: See Portal t Inputs / AFUE's / Pricing	204NIL-TEI2 ater, 205NIL-TEI2 206NIL-TEI2	37,500 62,000 96,000 130,000 164,000	82.3% 82.6% 82.3% 82.0% 82.0%	\$1,589.41 \$1,780.17 \$1,910.84 \$2,149.51 \$2,475.01	\$1,688.75 \$1,891.43 \$2,030.27 \$2,283.85 \$2,629.70	\$1,806.96 \$2,023.83 \$2,172.39 \$2,443.72 \$2,813.78	\$ 580.00 \$ 715.00 \$ 765.00 \$ 895.00 \$1,050.00	\$ 0 \$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0 \$ 0 \$ 0
ES2 Series - Forced Hot Water, Natural Vent See Portal for sizes ES27-E Pricing	ES23BNI-T ES24BNI-T S29 ES25BNI-T ES26BNI-T	70,000 105,000 140,000 175,000	85.0% 85.0% 85.0% 85.0%	\$1,865.54 \$2,044.11 \$2,288.10 \$2,612.90	\$1,982.14 \$2,171.87 \$2,431.11 \$2,776.21	\$1,996.13 \$2,187.20 \$2,448.27 \$2,795.80	\$ 475.00 \$ 510.00 \$ 585.00 \$ 695.00	\$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0
ESC Series - Forced Hot Water, Sealed Combustio See Portal for ESC7 - ESCS Pricing	on ESC4NI-TS	60,800 91,200 121,600 152,000	85.5% 85.4% 85.3% 85.2%	\$2,110.95 \$2,240.06 \$2,484.04 \$2,808.80	\$2,242.88 \$2,380.06 \$2,639.29 \$2,984.35	\$2,258.72 \$2,396.86 \$2,657.92 \$3,005.42	\$ 705.00 \$ 695.00 \$ 765.00 \$ 820.00	\$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0
Independence Series - Steam Natural Draft	PIN4SNI-ME2 PIN5SNI-ME2 PIN6SNI-ME2 PIN7SNI-ME2	105,000 140,000 175,000 210,000	82.0% 82.0% 82.1% 82.1%	\$2,393.16 \$2,743.77 \$3,089.56 \$3,399.09	\$2,542.73 \$2,915.26 \$3,282.66 \$3,611.53	\$2,720.72 \$3,119.32 \$3,512.44 \$3,864.34	\$ 925.00 \$1,075.00 \$1,210.00 \$1,335.00	\$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0
Independence INPV Seri Steam, Power Vented	es - IN3PVNI-M2 IN4PVNI-M2 IN5PVNI-M2 IN6PVNI-M2	62,000 105,000 140,000 175,000	83.2% 82.2% 82.2% 82.2%	\$2,229.52 \$2,573.69 \$3,009.77 \$3,382.98	\$2,368.87 \$2,734.55 \$3,197.88 \$3,594.42	\$2,385.59 \$2,753.85 \$3,220.45 \$3,619.79	\$ 605.00 \$ 690.00 \$ 810.00 \$ 915.00	\$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0
AMERICAN STANDAR EQUIPMENT Furnace Standard Equipment	AUD1A040A9241B AUD1A060A9241B AUD1B080A9241B AUD1B100A9361B AUD1D120A9601B	40,000 60,000 80,000 100,000 120,000	80.0% 80.0% 80.0% 80.0% 80.0%	\$ 357.00 \$ 395.00 \$ 408.00 \$ 439.00 \$ 483.00	\$ 379.31 \$ 419.69 \$ 433.50 \$ 466.44 \$ 513.19	\$ 381.99 \$ 422.65 \$ 436.56 \$ 469.73 \$ 516.81	N/A N/A N/A N/A N/A	\$ 0 \$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0 \$ 0
Furnace Ultra-High Efficie Equipment ENERGY STAR with Electronically Commutated Motor		40,000 60,000 80,000 100,000 120,000	97.0% 97.0% 97.0% 97.0% 97.0%	\$1,301.00 \$1,378.00 \$1,449.00 \$1,668.00 \$1,769.00	\$1,382.31 \$1,464.13 \$1,539.56 \$1,772.25 \$1,879.56	\$1,392.07 \$1,474.46 \$1,550.53 \$1,784.76 \$1,892.83	N/A N/A N/A N/A N/A	\$1,250 \$1,250 \$1,250 \$1,250 \$1,250	\$ 500 \$ 500 \$ 500 \$ 500 \$ 500
Furnace High Efficiency Equipment	AUC1B040A9241A AUC1B060A9361A AUC1B080A9421A AUC1C100A9481A AUC1D120A9601A	40,000 60,000 80,000 100,000 120,000	92.1% 92.1% 92.1% 92.1% 92.1%	\$ 652.00 \$ 679.00 \$ 691.00 \$ 786.00 \$ 905.00	\$ 692.75 \$ 721.44 \$ 734.19 \$ 835.13 \$ 961.56	\$ 697.64 \$ 726.53 \$ 739.37 \$ 841.02 \$ 968.35	N/A N/A N/A N/A N/A	\$ 0 \$ 0 \$ 0 \$ 0	\$ 0 \$ 0 \$ 0 \$ 0

Massachusetts

Reviewed by: _

Residential Gas Service Agreement - 2019

national**grid**

Email form to: nesales@nationalgrid.com Fax form to: 315-460-9033

Mail form to: National Grid, 40 Sylvan Rd., Waltham, MA 02451 Attn: Gas Connections (E3)

Highlighted fields MUST be completed by applicant/contractor or job cannot be processed.

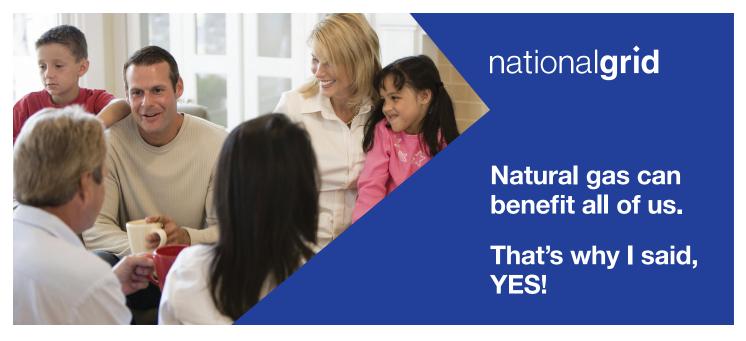
Contact Information	Gas Load	Gas Equipment (Please indicate below if				
Applicant Name:	☐ Single family	equipment is Existing = E or New = N)				
Premise Address:		Units				
City State Zing	Individual meters	•				
City, State, Zip:	Heat Non-heat	Water Htg Grill Light				
Mailing Address: [if different from		Cooking Light Drying Pool Htr.				
service address)	Single meters	Fireplace Garage Htr.				
Contact Phone:	=	ation date//				
Alternate Phone:		ew Construction):				
Email Address:	Unit	BTU/HR Heating Rate Mtr. Size BTU Mtr. Size				
Contractor Name:	Mtr. 1					
	Mtr. 2					
Contractor Address:	Mtr. 3 Mtr. 4					
	Mtr. 5					
Contractor Phone:	TOTAL					
Essex Gas Companyd/b/a National Grid (National Grid) agrees to install a gas service to the ab at anytime prior to the installation of the gas service line. I hereby authorize National Grid to inst In the event that the gas equipment identified in this agreement is not installed and in use wit National Grid for the cost of installing all gas lines necessary to serve Premises, minus any pr	all a natural gas service line to the ac thin six months of the date of install rior contribution in aid of construction	ation of the service line, the Applicant agrees to pay on made to National Grid. (initial)				
Owner/Applicant Signature:	Date:					
Contractor Signature:		Date:				
Site Infor Surrounding Area: Wetlands/water Undeveloped Public Road Corner Lot (Please mark for meter location and indicate street and cross street names) Cross Street 1	Project Information Type: New Construct Existing House Work Requested (check a New Service Line Additional meter Trenching by National Greater Size Existing meter local contribution: *Customer contribution:* *Customer quote is valid for sent to the customer. After 9 is subject to change. Target Date: Target/Comp ID: Work Order #:	tion				
□ Sprinkler □ Septic (incl. plan) □ Trees □ Ledge/Rock	Describe work requeste	d:				
☐ Sprinkler ☐ Septic (incl. plan) ☐ Trees ☐ Ledge/Rock ☐ Underground electric/phone/cable ☐ Underground Oil Tank ☐ Waterline ☐ None of the above		d:				

Date:_

Terms and Conditions of Residential Gas Service Agreement

- 1. Applicant agrees to pay National Grid to aid in the construction of the natural gas service line and associated main work required to provide service to the Premises. In the event that the actual service line length exceeds the estimated footage, National Grid may bill the property owner at a rate of (Excess Footage Fee) over the estimated service line length.
- 2. Once the meter is set, the Applicant becomes the customer of record and National Grid will commence billing the Applicant. The Applicant agrees to pay for gas service pursuant to the applicable rate classification and in accordance with National Grid's Terms and Conditions, as filed from time to time with the Massachusetts Department of Public Utilities.
- 3. National Grid will take reasonable measures to minimize damage to Applicant's property. For existing structures, National Grid will loam and reseed excavated areas and patch disturbed asphalt. Applicant is responsible for maintaining all reseeded areas.
- 4. National Grid will install the necessary natural gas distribution system to the site, subject to weather conditions and all federal, state and local codes and permit requirements.
- 5. Notwithstanding the foregoing, National Grid may, at any time, terminate this Agreement without any further obligations, in the event of one of the following "Triggering Conditions": (a) it discovers that there is no active natural gas main in close proximity to Applicant's property for which a service connection can be made in a reasonably cost effective manner (b) it discovers conditions (including, without limitation, ledge, steep grades, and retaining walls), that would, in National Grid's judgment, materially increase the cost of installation, or (c) the fees for the required permits are significantly in excess of what is typical for such work (d) National Grid is unable to obtain the necessary permits to install the gas service line. In the event of a Triggering Condition, National Grid shall consider any Applicant proposals for an adjustment of price.
- 6. National Grid will not be responsible for delays or damages associated with the installation of a gas service line due to weather or the issuance of permits, nor will it be responsible for damages attributable to unforeseen conditions beyond its control.
- 7. (New Construction Only) Applicant shall construct, or cause the construction of all necessary water lines, sewer lines, roads and electrical lines, and will perform other necessary work required to prepare the site for the installation.
- 8. Applicant shall provide all easements and rights-of-way necessary for National Grid to install natural gas distribution lines required to provide service to the Premises.
- 9. National Grid will accept or modify the meter location shown on the front of this form based upon its installation requirements.
- **10.** Applicant assumes full and complete responsibility for any and all costs associated with any environmental contamination encountered by National Grid during the installation, including but not limited to the costs to clean up or remediate such contamination, provided that this provision shall not apply to environmental contamination caused by any employee, contractor, agent, or representative of National Grid.
- 11. In the event that environmental contamination is encountered during the installation, all work shall cease and National Grid shall provide oral and written notice to the Applicant within a reasonable time. Thereafter, National Grid shall have no further obligations under this agreement, provided that this provision shall not apply to environmental contamination caused by any employee, contractor, agent, or representative of National Grid.
- 12. Applicant shall, to the fullest extent permitted by law, indemnify, hold harmless and release National Grid, its parent company, affiliates and subsidiaries and their respective directors, officers, employees, agents, servants, representatives, successors and assigns from and against all claims, demands, liabilities or expenses related to environmental contamination at or in the vicinity of the Premises, provided that this provision shall not apply to environmental contamination caused by any employee, contractor, agent, or representative of National Grid. This indemnity and release provision survives the expiration or termination of the Agreement and extends to the respective successors and assigns of National Grid and Applicant.
- **13.** National Grid shall own the natural gas distribution system up to the outlet side of each individual customer meter.
- **14.** All installations where excavating and back filling are to be performed by Applicant or his/her designee will be performed in compliance with National Grid's specifications, and the installation shall not commence until said trench is inspected and accepted by a representative of National Grid.
- 15. In the event that the gas equipment identified on the front of this agreement is not installed and in use within six months of the date of installation of the service line, the Applicant agrees to pay National Grid for the cost of installing all gas lines necessary to serve Premises, minus any prior contribution in aid of construction made to National Grid.
- **16.** Prior to the start of the work described on the front of this agreement, Applicant is responsible for marking out any underground facilities on their property that are not marked out as a result of National Grid's notification of the Dig Safe system.
- 17. This Agreement may be modified only by a writing signed by National Grid and Applicant; any verbal representations or modifications by National Grid employees or others shall be null and void.
- **18.** The laws of the Commonwealth of Massachusetts shall govern this Agreement.
- 19. If any terms of this Agreement or portions thereof are declared or become invalid or unenforceable, the remainder of this Agreement shall continue in full force and effect.
- 20. *Customer quote is valid for 90 days from the date this Agreement is sent to the customer. After 90 days, this amount is no longer valid and is subject to change.

EE5140 (11/16/18) MA (Pg. 2 of 2 MA)



There are many reasons why I've signed up for natural gas, including having the opportunity to save on my energy bills. That's probably why many of our neighbors have signed up. But, none of us can get natural gas without your help. **National Grid needs a sufficient level of interest to bring it to our neighborhood.**That's where you come in – join us by saying 'yes' to natural gas today and we can all benefit!

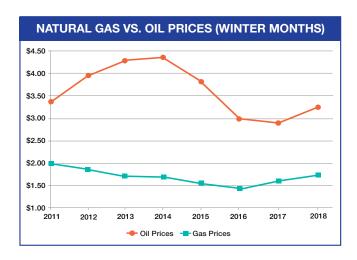
Natural gas is better for all of us.

- Cleanest fossil fuel with no odor or residue
- Produced in North America
- Less expensive and more efficient than home heating oil*
- Only pay for what you use
- No running out, scheduling deliveries or negotiating with your oil company
- Perfect for ranges, ovens, dryers, grills and generators
- Increases your home's resale value by up to 6%**
- Used in most schools, hospitals and fire departments

Converting is more affordable than you might think.

National Grid offers generous incentives on high-efficiency equipment.

National Grid needs a sufficient level of heating commitments to bring natural gas to your neighborhood.



Don't let this huge opportunity pass by our community!

Please call

at

or email

and let them know that you want natural gas.

From your neighbor

Expressing interest does not guarantee services will be provided. National Grid requires certain participation levels in order to bring natural gas to your neighborhood. *National Grid does not guarantee savings. Savings and energy efficiency experiences may vary.

**The National Association of Home Builders (NAHB) found in a number of surveys that prices of single-family homes powered by gas fuel were 4-6% higher than homes powered by electricity, depending on the age.

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