



**uniongas**

**business**

# 2019 Greenhouse Energy Efficiency Incentives



**Achieve long-term energy savings by installing  
energy-efficient equipment**

# Union Gas customer incentives

Equipment installed in new construction and existing buildings is eligible, unless specified. All applications require proof of purchase.

## Custom Engineering Projects

Engineering Projects	Incentive	Description
<b>Engineering Feasibility Study</b>	50% to a maximum of <b>\$10,000</b>	<ul style="list-style-type: none"> <li>Identify current energy costs, problem areas and energy improvements.</li> <li>Studies include thermal surveys, facility air-balances, HVAC audits, energy audits, benchmarking activities, equipment upgrade analyses.</li> </ul>
<b>Process Improvement Study</b>	66% up to <b>\$20,000</b>	<ul style="list-style-type: none"> <li>Conduct a comprehensive analysis to determine and assess financial costs of energy improvement opportunities on natural gas consuming equipment and processes. Generally requires baseline data measurement, collection and analysis.</li> <li>Typical projects include steam audit, greenhouse operations analysis, heat integration study and process operation improvement studies.</li> </ul>
<b>Study Top-Up</b>	<b>Feasibility Study Top-up</b> 50% to a maximum of <b>\$10,000</b> <b>Process Improvement Top-up</b> 34% to a maximum of <b>\$20,000</b>	<ul style="list-style-type: none"> <li>Additional incentive for a previously funded Engineering Feasibility or Process Improvement Study, once a Custom Engineering Project has been commissioned.</li> <li>Limit of one top-up per study.</li> </ul>
<b>Meters</b>	50% of meter cost, up to <b>\$5,000</b>	<ul style="list-style-type: none"> <li>Install a natural gas, steam or hot water meter to measure and monitor energy usage.</li> <li>Limit of five meters per customer site per year.</li> </ul>
<b>New and Retrofit Equipment and Process Optimization</b>	General Service Rates M1, M2, R1, R10 \$0.20/m <sup>3</sup> to a maximum of <b>\$40,000</b> Contract Rates M4, M5A, M7, T1, R20 \$0.10/m <sup>3</sup> to a maximum of <b>\$100,000</b>	<ul style="list-style-type: none"> <li>Funding provided for implementation of energy efficient measures and equipment.</li> <li>Based on estimated natural gas savings achieved annually.</li> <li>Projects include boilers, high efficiency process equipment, steam system equipment, building and process controls, building envelope technologies.</li> <li>Total incentive cannot exceed 50% of the project cost.</li> </ul>

## Examples of new and retrofit projects

### New

<ul style="list-style-type: none"> <li>New build or expansion                             <ul style="list-style-type: none"> <li>Energy curtain</li> <li>CO2 condenser &amp; hot water storage tank</li> <li>Linkageless controls</li> <li>High efficiency burner</li> <li>Greenhouse structure—roof/sidewalls</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Pipe insulation</li> <li>Climate control</li> <li>Diffused glass</li> <li>Warehouse roof insulation</li> <li>Indoor water storage</li> <li>Zip doors</li> </ul>
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### Retrofit

<ul style="list-style-type: none"> <li>Productivity gain and energy intensity</li> <li>Energy curtain upgrades</li> <li>Energy curtain second layer</li> <li>Heat exchanger/pasteurizer—steam to hot water conversion</li> <li>CO2 condenser on boiler</li> <li>Climate control system upgrade</li> </ul>	<ul style="list-style-type: none"> <li>Steam system upgrade</li> <li>Hot water tank replacement</li> <li>Linkageless controls</li> <li>Burner upgrade</li> <li>Triple poly roof</li> <li>Triple poly sidewalls</li> <li>Vertical destratification fan</li> </ul>
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## Space Heating and Water Heating

Technology	Incentive per unit	Description
<b>Air Curtain</b>	<b>Pedestrian doors—no vestibule</b>	<ul style="list-style-type: none"> <li>• Air barrier to reduce heat loss through doorways.</li> <li>• Pedestrian single and double doors and shipping doors in buildings with space heating are eligible.</li> <li>• Other door sizes not listed may be eligible. Equipment installed must be tested by a third-party performance standard (ANSI/AMCA 220-05 or similar).</li> <li>• Replacement of existing air curtains is not eligible.</li> <li>• Shipping/dock doors with vestibules are not eligible. Electrically heated air curtains are eligible.</li> </ul>
	7'X3' _____ <b>\$300</b>	
	7'X6' _____ <b>\$400</b>	
	8'X6' _____ <b>\$500</b>	
	For double doors, double incentive	
	<b>Pedestrian doors—with vestibule</b>	
	7'X3' _____ <b>\$200</b>	
7'X6' _____ <b>\$300</b>		
8'X6' _____ <b>\$400</b>		
For double doors, double incentive		
<b>Shipping/dock doors</b>		
<i>Bonus incentives exclusively for shipping/dock doors</i>		
8'X8' _____ \$1,200 <b>\$2,400</b>		
8'X10' _____ \$1,200 <b>\$2,400</b>		
10'X10' _____ \$1,800 <b>\$4,000</b>		
<b>Condensing Boiler</b>	<b>New construction</b>	<ul style="list-style-type: none"> <li>• Used for space heating, water heating or both.</li> <li>• With thermal efficiency: retrofit &gt; 90 per cent for equipment below 300,000 MBtu/hr and 90 per cent AFUE above 300,000 MBtu/hr; new construction &gt; 94.5 per cent AFUE below 300,000 MBtu/hr.</li> <li>• New Construction equipment above 300,000 MBtu/hr is not eligible.</li> <li>• Eligible boiler must be certified to CSA 4.9/ANSI Z21.13. In-suite installations are not eligible.</li> </ul>
	<299 MBtu/hr. _____ <b>\$600</b>	
	<b>Retrofit</b>	
	<299 MBtu/hr. _____ <b>\$1,000</b>	
>300 to <999 MBtu/hr. _____ <b>\$2,000</b>		
>1,000 MBtu/hr. _____ <b>\$6,000</b>		
<b>Condensing Unit Heater</b>	≥ 90% Thermal Efficiency _____ <b>\$750</b>	<ul style="list-style-type: none"> <li>• Power-vented heater with a secondary heat exchanger to recover waste heat from the flue gases.</li> </ul>
<b>Infrared Heater</b>	Single Stage _____ <b>\$300</b>	<ul style="list-style-type: none"> <li>• ≤ 299 kBtu/hr.</li> <li>• Retrofit: replacement of conventional unit heaters only.</li> </ul>
	Two Stage _____ <b>\$400</b>	

Programs and incentives are subject to change or cancellation without notice.



# Contact a Union Gas Energy Conservation Advisor today

 [incentives@uniongas.com](mailto:incentives@uniongas.com)

 [uniongas.com/savemoneyandenergy](http://uniongas.com/savemoneyandenergy)

## Terms and Conditions

Incentive offers apply to Union Gas customers with an active commercial or industrial account, for installations of eligible equipment between Jan. 1, 2019 and Dec. 31, 2019. Replacements of existing energy-efficient equipment do not qualify. Both purchased and rental units are eligible. All commercial and industrial building types are eligible unless specified. Applications require proof of purchase and installation. High-volume projects will be reviewed on a per-project basis. Programs and incentives subject to change or cancellation without notice. Union Gas makes no warranty or guarantee regarding the estimated savings. All applications are reviewed by Union Gas and subject to verification for eligibility and installation. Total incentive cannot exceed 50 per cent of the project cost. Additional terms and conditions may apply. Custom Engineering Projects terms and conditions may vary. Please contact your Union Gas Energy Conservation Advisor to learn more.

## Fixed Incentive Offers: Space Heating and Water Heating

Complete an incentive application. Application forms are available by email, online, or by contacting an Energy Conservation Advisor.

- 1) **Air Curtain:** Pedestrian single and double doors and shipping doors in buildings with space heating are eligible. Other door sizes not listed may be eligible. Equipment installed must be tested by a third-party performance standard (ANSI/AMCA 220-05 or similar). Replacement of existing air curtains is not eligible. Shipping/dock doors with vestibules are not eligible. Electrically heated air curtains are eligible.
- 2) **Condensing Boiler:** Incentive applies to boiler used for space heating, water heating or both; with thermal efficiency: retrofit > 90 per cent for equipment below 300,000 MBtu/hr and > 90 per cent AFUE above 300,000 MBtu/hr; new construction > 94.5 per cent AFUE below 300,000 MBtu/hr. New Construction equipment above 300,000 MBtu/hr is not eligible. Eligible boiler must be certified to CSA 4.9/ANSI Z21.13. In-suite installations are not eligible.
- 3) **Condensing Unit Heater:** Must have thermal efficiency of  $\geq 90$  per cent.
- 4) **Infrared Heater:** Incentive applies to units  $\leq 299$  kBtu/hr. in new construction or when replacing conventional unit heaters only.

## Custom Engineering Projects

- 5) Total incentive cannot exceed 50 per cent of the project cost. Contact your Union Gas Energy Conservation Advisor for detailed information on eligibility and application requirements.