



preparing *for the future*



Natural Gas: Changing the Standard

The Standard Will Change, Your Bill Will Not

The change from CCF billing to Therm billing will require slight modifications in the look of your bill. Previously, natural gas billing reflected "hundred cubic feet" (CCF) or volume. The new billing will reflect "Therms" (Btu) or energy. This change is simply from "volume" to "energy" and will have no effect on the natural gas rate charged. For conversion examples, please refer to the back of this sheet.

In a move to become more aligned with how energy is billed across the United States and how Jackson Energy Authority purchases gas as a commodity, JEA will be changing natural gas billing standards from CCF to Therm. This move gives our customers the opportunity to become more aware of their natural gas "energy" consumption.

Will This Affect the Cost of Natural Gas?

No. This is a conversion process, not a rate increase. We are simply changing the way we bill from CCF's to Therms for natural gas we deliver to customers.

Why is it Necessary to Make the Change?

In the past, we have billed customers for natural gas the same way it passes through the meter, in increments of hundred cubic feet (CCF). For years, the natural gas industry has been gradually moving away from volumetric billing (CCF's) to heating content billing (Therms). The use of Therms for energy measurement has now become the industry standard and used by the majority of natural gas utilities in America. We are making the change to not only become consistent with how we are billed for the natural gas we purchase from our suppliers and how we bill some industrial and large commercial customers, but also to help streamline our billing process.

from CCF to therm

What is the Difference Between a CCF and a Therm?

A CCF is a measurement of space or volume. It represents the amount of gas contained in a space equal to one hundred cubic feet. A Therm is a measurement of energy content equal to 100,000 Btu (British Thermal Units). The Btu is the amount of heat it takes to raise the temperature of one pound of water by one degree Fahrenheit. It's roughly equivalent to the amount of heat given off from burning a wooden kitchen match.

Will this affect my meter?

The conversion will be reflected in the look of your bill, not your meter. Since natural gas meters can only measure in volume (CCF), your meter will still have to be read in CCF's.

How do you calculate the amount of Therms used?

To get the amount of Therms used, the CCF meter reading is entered into JEA's billing system and converted by a therm multiplier. This multiplier, which is assigned by natural gas suppliers, is the number given as the heating content of the natural gas purchased by JEA.

What is the heating content of natural gas?

The chemical composition of each supply of natural gas varies depending on the field, formation or reservoir from which it is extracted. Because of this variation, the components and their concentrations are converted into a gross heating value based on a formula used by the supplier.

How the New Standard is Calculated and Seen on Your Bill

In order to determine the amount of Therms used, subtract your previous meter reading¹ from your present meter reading.² Multiply that amount (which is CCF's) times the multiplier³ (also referred to as therm multiplier.) The result is the amount used in Therms.⁴

Service	Rate Type	Meter Number	No. of Days	Meter Reading		Multiplier	Amount Used	Amount Billed
				Present	Previous			
Electric	22	0-00000	29	40475	37272		3201 kilowatt hours	000.00
Gas	22	00000	29	4318	4295	1	23 Therms	00.00
Water	22	0-00000	29	3818	3719	1	99 Hundred gallons	00.00

You will still be able to compare your natural gas usage in the chart at the bottom of your bill as before, however the units will now be in Therms rather than Hundred Cubic Feet.

COMPARE YOUR USE		ELECTRICITY		NATURAL GAS or PROPANE	
Period	Days	Kilowatt Hours		Therms or Gallons	
		Monthly	Daily Average	Monthly	Daily Average
Current Month					
Last Month					
One Year Ago					

Jackson Energy Authority will continue to deliver quality, clean-burning natural gas with the same level of safety and reliability that you have come to know over the years. If you have any questions regarding the conversion, please give us a call.

