

## DO YOU NEED NATURAL GAS SERVICE TO YOUR NEW HOME/BUILDING?

The Town of Sundre owns and operates the natural gas distribution system within the Town limits and must be contacted when requesting gas service for your new building.

To begin the process of requesting a gas line, complete the Natural Gas Service Line Application form and submit it to our office. This form is included in this package of information and can also be printed from our website at [www.sundre.com](http://www.sundre.com).

The signed Gas Service Line Application received at our office constitutes an agreement to pay the Town of Sundre the related costs associated with gas line installation as well as giving us the appropriate billing information to invoice costs correctly.

Please read the information and pass it along to those contractors in charge of securing gas service for your property. Your Journeyman Gasfitter contractor must make connections from inside the building up to the gas meter supplied by the Town.

If you have questions about this information package, please call the Town office at 403-638-3551.

### **CHECKLIST:** *Did you...*

- Contact Town of Sundre to apply for Development and Building Permits?
- Contact Town of Sundre Office to Apply for a Natural Gas Service Line? (This step will facilitate scheduling of a preliminary site visit/consultation before construction)
- **Call Utility Safety Partners (Click before You Dig) at 1-800-242-3447**  
(any existing service lines must be marked before we install a new gas line)
- Contact the Town Office after Installation of the gas service line to obtain a Gas Permit which stipulates heating requirements and determines meter size)

**Attention:** Gas Line Installation should never begin before necessary permits, consultation and *service line locations* have been completed.

**\* Damages to existing valves, risers, or service lines resulting from premature digging will be at the expense of the property owner.**



## REFERENCE FOR BUILDERS AND DEVELOPERS

### TOWN OF SUNDRE GAS INSTALLATION POLICY

The Town of Sundre has divided the year into two construction seasons – summer and winter. Summer season is April 15<sup>th</sup> to October 31<sup>st</sup>. During the summer construction season the Town of Sundre personnel will do all work necessary to install gas services to homes and businesses. Costs will be invoiced to the Landowner according to the applicable Fees and Rates Bylaw. **During the winter season the Town of Sundre does not install gas services.** Builders/Developers shall contact the Town to discuss possible temporary heating alternatives under a Gas Permit. Temporary heating costs are the responsibility of the Landowner/Developer. Winter temperatures and ground conditions will be a factor in our decision to allow gas services during winter season. SEE BELOW.

**Utility Safety Partners (previously Alberta 1<sup>st</sup> Call) line locates must be done for each lot. The builder / developer must apply at the Town Office for a gas service line application before a site visit to schedule installation.**

1. Consultation with the Town Gas Operator will determine if trenching will be performed by Town staff or by the Landowner/Developer/Contractor. If the builder / developer is trenching, they are responsible to have all utilities located by Alberta Utility Safety Partners before trenching a gas service line. The depth of the trench is to be no less than 24” and no more than 30” below the final ground level of the property. The trench shall not be any closer than 2 metres from the gas main. **THE USE OF COAL OR ANY COMBUSTIBLES TO THAW THE GROUND IS NOT PERMITTED.**
2. **Gas service line connection to the Town’s Gas Main can only be exposed by a qualified Hydrovac service. The Town will contract the Hydrovac contractor and charge back this cost to the Landowner/Developer.** The size of the excavation will be marked out by the Town of Sundre personnel. Pressure used by the hydrovac contractor is not to exceed 1,000 psi. Hydrovac contractor will create a suitable pit to allow the gas operators to access the gas main. The pit size must conform with OH&S regulations. The work area that is cleared must allow electrofusion tools to be attached to the pipe. This requires at least 8” of space behind and below the pipe to be accessible. Town personnel must be consulted on the exact requirements to allow connection to our gas main.
3. **The Town of Sundre shall have the final decision on the placement (location) of the gas**

**service meter.** All electrofusion procedures will be done by Town of Sundre personnel. As per the manufacturers recommendation no fusions will be attempted at temperatures below -10 C. If conditions are deemed to be unsuitable, fusions will not be attempted.

4. After the gas service installation is completed and a proper 24-hour pressure test has shown that there is pressure integrity on the installation, the builder / developer will first bed the gas service line with sand and then backfill the installation with native material. Both processes are to be supervised by Town personnel.
5. **Gasfitter information** – *see attached*. Please pass this information on to your journeyman gasfitter performing inside connections for your building.
6. The Town will install a standard meter set to the riser for the gas service installation. The regulator will be set to 7” wc. The meter set will be unlocked when the builder / developer produces:
  1. A Gas Permit (*Permit Issuer is at Town office*)
  2. A verified pressure test on the downstream gas system by submitting a Government of Alberta Service Completion Notification (*form available in this package*) to be signed by a Certified Journeyman Gasfitter.
7. If there are any questions regarding the above conditions, please contact:

Utility Co-ordinator  
Town of Sundre  
(403) 638 – 3551 ext 105  
[utilities.taxes@sundre.com](mailto:utilities.taxes@sundre.com)

**TOWN OF SUNDRÉ  
NATURAL GAS SERVICE LINE  
APPLICATION AND COST ESTIMATES**



Name of Applicant -	Date -
Billing Address -	Street Address of Installation -
Phone -	Phone -

- The construction of the natural gas service between the gas main and the gas meter shall be the responsibility of the Town of Sundre.
- Town of Sundre Gas Department requests a site inspection in order to assess the requirements for the installation of natural gas service prior to construction. Call the Town Office to request site inspection.
- **Services requiring above 4 ounces per square inch pressure or loads higher than 200 series metering will be done at cost and will require a separate cost estimate. Contact the Town of Sundre Office if a cost estimate is needed.**
- This application, once signed by the property owner or their agent will constitute an agreement between the property owner and the Town of Sundre to become a consumer on our natural gas system.
- Town of Sundre summer construction season is typically April 15 – October 31 each year however is dependent upon ground frost conditions.
- Policy #401 – Natural Gas Service Construction Policy is available at the [www.sundre.com](http://www.sundre.com)
- The Town of Sundre will levy charges against the owner of the property or such party acting on behalf of the property owner in accordance with the charges listed below for the installation of the gas service.

**CHARGES**

	METER SIZE	PE MAIN	STEEL MAIN	
Residential	200 series	\$1,500.00 + Hydrovac cost	\$1,500.00 + Welder + Hydrovac costs	*Estimated Hydrovac services - \$1000 **Estimated “B” pressure welding services - \$900
*Larger Residential	400 series or larger	Request a Quotation	Request a Quotation	
*Larger Commercial	400 series or larger	Request a Quotation	Request a Quotation	
*The BTU load required by the applicant will dictate the type of service and meter installed.				

\* Hydrovac contractor cost is passed onto landowner at cost recovery.

\*\* Welding Contractor cost is passed onto landowner at cost recovery. Town determines if a Welder is required.

I hereby agree to pay the Town of Sundre the costs as outlined above for the installation of natural gas service at the address indicated,

\_\_\_\_\_  
Name (Landowner/Agent)

\_\_\_\_\_  
Date

**The personal information requested on this form is being collected under the authority of the Town of Sundre Utility Bylaws and the Freedom of Information and Protection and Privacy Act (FOIP) Section 33(c). It will be used for the purpose of account administration and may be shared with other Town departments for a consistent purpose. If you have any questions about the collection or use of your personal information, contact the Town of Sundre FOIP Coordinator at (403) 638-3551.**



## REFERENCE FOR GASFITTERS

### TYPICAL GAS METER SERVICE INSTALLATION FOR THE TOWN OF SUNDRE

This is a typical meter set installation for Sundre. The meter set consists of the following components:

- 1 only – Itron B42 Pressure Regulator
- 1 only – Canadian AC 250 Gas Meter
- 1 only – Mueller Meter Valve (3/4")
- 1 only - A.Y. McDonald Bypass Meter Bar

The dimensions of the meter set are:

22-1/4" from the riser to the downstream connection on the test point nipple

13" - the height of the downstream connection on the meter bypass bar above the top of the meter valve

#### **Other Reference Information**

Itron B42 Pressure Regulator – see attached specification sheet

Downstream Connection – test point end connection 1" male



#### **Town of Sundre Settings**

The distribution system for the Town of Sundre is set at 33 psig.

The residential pressure regulators ( Itron B42) are set to 7" wc

# B42 Residential Regulator - Models N, R

Green Spring (762649)  
Position 5  
1" NPT Outlet

## 7" w.c. (17 mbar) - Capacity Table (1" Droop)

Capacities in scfh (m<sup>3</sup>/hr) - Orifice Size

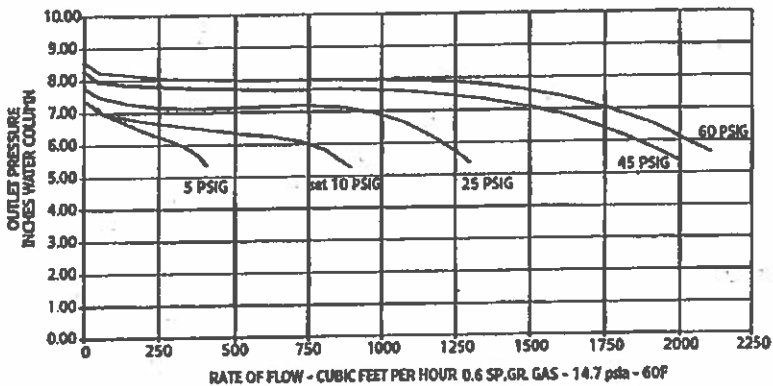
Inlet Pressure PSIG Bar	1/8" (3.2 mm)	1/8 x 3/16" (3.2 x 4.8 mm)	3/16" (4.8 mm)	1/4" (6.4 mm)	5/16" (7.9 mm)	3/8" (9.5 mm)	1/2" (12.7 mm)	1/2 x 9/16" (12.7 x 14.3 mm)
0.5 (38 mbar)	65 (1.8)	70 (2.0)	90 (2.5)	140 (3.9)	175 (4.9)	210 (5.9)	270 (7.6)	280 (7.9)
1 (69 mbar)	80 (2.3)	110 (3.1)	140 (3.9)	200 (5.7)	275 (7.8)	300 (8.5)	400 (11.3)	450 (12.7)
2 (0.138)	100 (2.8)	180 (5.1)	225 (6.4)	250 (7.1)	375 (10.6)	425 (12.0)	600 (17.0)	700 (19.8)
3 (0.207)	170 (4.8)	225 (6.4)	310 (8.8)	350 (9.9)	500 (14.2)	575 (16.3)	800 (22.7)	910 (25.8)
5 (0.345)	215 (6.1)	280 (7.9)	400 (11.3)	500 (14.2)	725 (20.5)	825 (23.4)	1100 (31.1)	1230 (34.8)
10 (0.69)	340 (9.6)	390 (11.0)	625 (17.7)	850 (24.1)	1100 (31.1)	1300 (36.8)	Orifice Inlet Pressure Rating Exceeded	
15 (1.03)	425 (12.0)	470 (13.3)	850 (24.1)	1200 (34.0)	1550 (43.9)	1650 (46.7)		
20 (1.38)	550 (15.6)	550 (15.6)	1100 (31.1)	1450 (41.1)	1850 (52.4)			
30 (2.07)	700 (19.8)	700 (19.8)	1400 (39.6)	2000 (56.6)				
40 (2.76)	850 (24.1)	870 (24.6)	1750 (49.6)	2200 (62.3)				
50 (3.45)	1000 (28.3)	1020 (28.9)	2150 (60.9)	2500 (70.8)				
60 (4.13)	1150 (32.6)	1190 (33.7)	2300 (65.1)	2500 (70.8)				
80 (5.51)	1500 (42.5)	1590 (45.0)	2400 (68.0)					
100 (6.89)	1800 (51.0)	1870 (53.0)	2500 (70.8)					
125 (8.61)	2200 (62.3)	2280 (63.0)	2500 (70.8)					

Inlet Effect B	0.13" w.c.	0.13" w.c.	0.20" w.c.	0.36" w.c.	0.67" w.c.	0.77" w.c.	2.20" w.c.	2.20" w.c.
Lock Up C	0.5" w.c.	0.5" w.c.	0.6" w.c.	0.7" w.c.	0.8" w.c.	0.9" w.c.	1.2" w.c.	1.2" w.c.

### Typical Performance Curves

Manufacturer:	Actaris
Type and Model:	B42R
Regulator:	Inlet Size 3/4" NPT
	Outlet Size 1" NPT
	Orifice Size 3/16"
	Spring Green (p/n 762649)

Set Point 7.0" w.c. with 10 PSIG Inlet @ 50 scfh.  
All test results are reported at a base of 14.7 PSIA and 60 F.

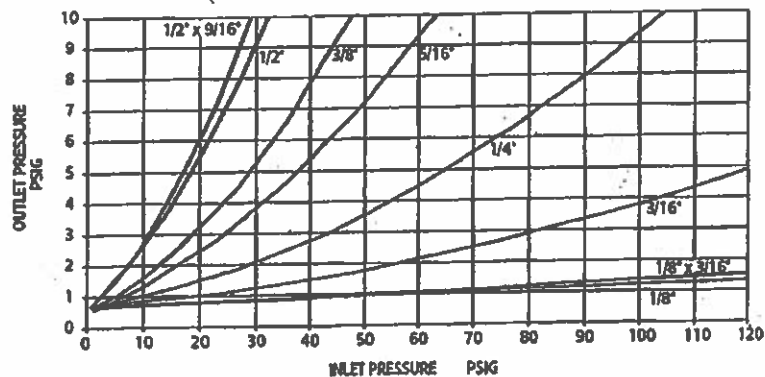


B42R  
REGULATOR  
PERFORMANCE  
7" w.c. SET  
POINT

### Relief Curves

Manufacturer	Actaris
Type and Model	B42R
Regulator:	Inlet Size 3/4" NPT
	Outlet Size 1" NPT
	Vent Size 1" NPT

Set Point 7.0" w.c. with 10 PSIG Inlet @ 50 scfh.  
All test results are reported at a base of 14.7 PSIA and 60 F.



B-42 RELIEF  
CURVES-LEVER  
DISCONNECT  
7" w.c. SET  
POINT

Note:  
A- Capacity in black outline generated with Green Spring (762645)  
B- Change in outlet pressure for 10 PSIG inlet pressure change  
C- Outlet pressure increase required for lock up

**SERVICE COMPLETION NOTIFICATION**

Permit No \_\_\_\_\_ Location \_\_\_\_\_

Permit Issurer \_\_\_\_\_

Lot	Blk	Plan		
Qtr	Sec	Twp	Rge	Mer

Installation name \_\_\_\_\_

Address \_\_\_\_\_

**Contractor / Installer**

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_

I hereby certify that the piping system has been installed and tested:

- i) In compliance with the Safety Codes Act & Regulations and CSA B149.1 and
- ii) this installation is ready for gas service activation.

Please enter number of appliances and total input BTU rating for each of the following

House Furnace(s)	Water heater	BBQ	Fireplace	Range
Dryer	Garage	Other _____	Other _____	Other _____

Air Test: Duration \_\_\_\_\_ PSI \_\_\_\_\_

Gas Service Is Connected to Meter    yes \_\_\_\_\_    No \_\_\_\_\_

Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Gas Fitter Certificate No. \_\_\_\_\_

Date \_\_\_\_\_

**This form is to be completed and faxed or e-mailed to the Permit Issuer and the Gas Supplier before the gas service will be unlocked.**

TOWN OF SUNDRE - PERMIT ISSUER  
And GAS SUPPLIER  
717 MAIN AVENUE WEST  
Phone: 403-638-3551 Fax: 403-638-2100