

CITY OF NORWICH

BID # 7297

**INVITATION FOR BIDS
AMI GAS METERS**

Norwich Public Utilities

Sealed bids for GAS METERS will be received at the Office of the Purchasing Agent at City Hall, 100 Broadway, Norwich, Connecticut 06360 until 2:00 P.M., on September 13, 2011 prevailing time, at which time they will be publicly opened and read aloud.

Bid surety in the form of cash, a certified check or bid bond in the amount of five percent 5% of this bid is required.

Copies of the Specifications may be obtained at the Purchasing Office at 100 Broadway, Norwich, CT.

Norwich Public Utilities reserves the right to reject any or all bids, in whole or in part, to award any item, group of items, or total bid, and to waive any informality in the bids received if it deems it to be in the best interest of the Department to do so.

No Bidder may withdraw their bid within 60 days after the actual date of bid opening thereof. Should there be reason why the contract cannot be awarded within the specific period, this time may be extended by mutual agreement between the City and the designated, qualified low Bidder.

All final awards of the bid subject to comply with Ordinance No. 1235 adopted December 3, 1991.

All bids must be submitted in a sealed envelope bearing the bidders name and bid number.

Responding bidders must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, age, handicap, familial status, sex, or national origin.

PURCHASING AGENT

NOTE: BIDDERS ARE HEREBY ADVISED THAT ONLY BID SURETIES FOR THE THREE LOWEST BIDDERS WILL BE HELD. ALL OTHERS WILL BE RELEASED WITHIN SEVEN DAYS.

**REQUEST FOR QUOTATION
THE CITY OF NORWICH
DEPARTMENT OF PUBLIC UTILITIES** Aug 25, 2011
Norwich, Connecticut 06360

In your reply, refer to
Purchasing Division
860-823-4179

TO:

THIS IS NOT AN ORDER

Shipping Point: _____

F.O.B. _____ Via: _____

Delivery: Complete Shipment to be made from _____ in _____ days from receipt of order

Terms: _____ ~ _____ % ~ _____ days: Net _____ days Shipping Weight _____ lbs.

IMPORTANT

PLEASE QUOTE ON THIS SHEET IN SPACE INDICATED BELOW FOR THE MATERIALS AND/OR SERVICES DESCRIBED..

EXPLAIN FULLY ANY SUBSTITUTES SUBMITTED. PURCHASES MADE BY THE NORWICH DEPARTMENT OF PUBLIC UTILITIES ARE CONSIDERED EXEMPT FROM THE PAYMENT OF FEDERAL EXCISE TAXES, CONNECTICUT SALES TAXES, ETC., AND SUCH TAXES MUST BE IDENTIFIED SEPARATELY OR EXCLUDED FROM THE BID PRICES. EXEMPTION CERTIFICATIONS WILL BE FURNISHED AS REQUIRED.

THE RIGHT TO ACCEPT ALL OR ANY PART OR TO DECLINE THE WHOLE IS RESERVED.

Your quotation must be in our office

By: Tuesday September 13, 2011

At 2:00 PM

THE CITY OF NORWICH

Item	Quantity	Materials and/or Services Required	Unit Price	Total Price
1.	APPROX. 5000 EACH	GAS METERS Itron Metris 250 or approved equal with NPU AMI System Badger Orion Module Installed per attached spec		
2.	APPROX . 500 EACH	Itron Metris RM250 or approved equal with NPU AMI System Badger Orion Module Installed per attached spec		
3.	APPROX. 100 EACH	Itron Metris 400A or approved equal with NPU AMI System Badger Orion Module Installed per attached spec		
4.	APPROX. 100 EACH	Itron Metris 675A or approved equal with NPU AMI System Badger Orion Module Installed per attached spec		
		Please answer without exception all questions listed on this request for quotation		

To THE CITY OF NORWICH

We quote you as above,

Date _____ 20____

Signed: _____

By: _____

BID NO7297

REQUEST FOR QUOTATION
THE CITY OF NORWICH
DEPARTMENT OF PUBLIC UTILITIES
Norwich, Connecticut 06360

Aug 25, 2011

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By: _____

THE CITY OF NORWICH

Item	Quantity	Materials and/or Services Required	Unit Price	Total Price
		GAS METERS		
5.	APPROX. 200 EACH	Itron Metris 1000A or approved equal with NPU AMI System Badger Orion Module Installed per attached spec		
6.	APPROX . 50 EACH	Dattus Fm2-5M or approved equal with NPU AMI System Badger Orion Module Installed per attached spec		
		ADD ALTERNATES WITHOUT AMI MODULES		
1A.	APPROX. 5000 EACH	Itron Metris 250 or approved equal must be compatible with NPU AMI System Badger Orion Gas Module per attached spec		
2A.	APPROX. 500 EACH	Itron Metris RM250 or approved equal must be compatible with NPU AMI System Badger Orion Gas Module per attached spec		
		Please answer without exception all questions listed on this request for quotation		

To THE CITY OF NORWICH

We quote you as above,

Date _____ 20____

Signed: _____

By: _____

RFQ.FORM 3/98

BID NO. 7297

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THE CITY OF NORWICH
DEPARTMENT OF PUBLIC UTILITIES**
Norwich, Connecticut 06360

Aug 25, 2011

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Item	Quantity	Materials and/or Services Required	Unit Price	Total Price
		GAS METERS		
3A.	APPROX. 100 EACH	Itron Metris 400A or approved equal must be compatible with NPU AMI System Badger Orion Gas Module per attached spec		
4A.	APPROX . 100 EACH	Itron Metris 675A or approved equal must be compatible with NPU AMI System Badger Orion Gas Module per attached spec		
5A.	APPROX. 200 EACH	Itron Metris 1000A or approved equal must be compatible with NPU AMI System Badger Orion Gas Module per attached spec		
6A.	APPROX. 50 EACH	Dattus Fm2-5M or approved equal must be compatible with NPU AMI System Badger Orion Gas Module per attached spec		
		Please answer without exception all questions listed on this request for quotation		

To THE CITY OF NORWICH

We quote you as above,

Date _____ 20____

Signed: _____

By: _____

RFQ.FORM 3/98

BID NO. 7297

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THE CITY OF NORWICH
DEPARTMENT OF PUBLIC UTILITIES** Aug 25, 2011
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By: _____
THE CITY OF NORWICH

Item	Quantity	Materials and/or Services Required	Unit Price	Total Price
		<p>This bid is for the remainder of the fiscal year 2011/2012 with an option to renew for two additional years.</p> <p>Please be advised that the quantities specified are estimates of our needs for the above mentioned period and are not commitments to purchase these quantities.</p> <p>For any questions or information please contact Tammy Petersen at tammypetersen@npumail.com</p> <p align="center">Please answer without exception all questions listed on this request for quotation</p>		

To THE CITY OF NORWICH

We quote you as above,

Date _____ 20____

Signed: _____

By: _____

RFQ.FORM 3/98

SPECIFICATIONS

ITEM #1	
Itron Metris 250 or Approved Equal	With NPU AMI System Badger Orion Module Installed
Meter Capacity	250 CFH Natural Gas @ .5 inch w.c. Diff.
Hub Center-to-Center	6"
Inlet and Outlet Hub Sizes	#1 Sprague Standard
Meter Type	(TC) Temperature Compensated
Units	Imperial (Cubic Feet - ft ³)
Index Drive	2ft ³ /revolution
Proving / Test Dials	ft ³ - 1/2' and 2' Proving Dials
Tangent Crank	14 revolutions/ft ³ or .071 ft ³ /revolution
Index	4 Digit Direct Read, Slant Face (ft ³ - Standard Pressure)
Meter M.A.O.P.	5 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	5000
ITEM #2	
Itron Metris RM250 or Approved Equal	With NPU AMI System Badger Orion Module Installed
Meter Capacity	250 CFH Natural Gas @ .5 inch w.c. Diff.
Outlet Hub Size	#1 Sprague Standard
Inlet Connection	3/4" Female NPT
Meter Type	(TC) Temperature Compensated
Units	Imperial (Cubic Feet - ft ³)
Index Drive	2ft ³ /revolution
Proving / Test Dials	ft ³ - 1/2' and 2' Proving Dials
Tangent Crank	14 revolutions/ft ³ or .071 ft ³ /revolution
Index	4 Digit Direct Read, Slant Face (ft ³ - Standard Pressure)
Meter M.A.O.P.	5 PSIG
Regulator M.A.O.P.	125 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	500
ITEM #3	
Itron Metris 400A or Approved Equal	With NPU AMI System Badger Orion Module Installed

Meter Capacity (CFH Natural Gas)	400 @ .5" w.c. Diff.
Hub Center-to-Center	6-25/32"
Hub Sizes	#4 Sprague
Meter Type	(TC) Temperature Compensated
Index Drive	2 ft ³ /revolution
Proving / Test Dials	ft ³ - 1/2' and 2' Proving Dials
Tangent Crank	9 revolutions/ft ³ or .111 ft ³ /revolution
Index	4 Digit Direct Read, Slant Face (ft ³ - Standard Pressure)
Meter M.A.O.P.	10 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	100
ITEM #4	
Itron Metris 675A or Approved Equal	With NPU AMI System Badger Orion Module Installed
Meter Capacity (CFH Natural Gas)	790 @ .5" w.c. Diff.
Hub Center-to-Center	10"
Hub Sizes	#4 Sprague
Meter Type	(TC) Temperature Compensated
Index Drive	10 ft ³ /revolution
Proving / Test Dials	ft ³ - 2.5' and 10' Proving Dials
Tangent Crank	1.8 revolutions/ft ³ or .8 ft ³ /revolution
Index	5 Digit Direct Read, Top Mount (ft ³ - Standard Pressure)
Meter M.A.O.P.	25 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	100
ITEM #5	
Itron Metris 1000A or Approved Equal	With NPU AMI System Badger Orion Module Installed
Meter Capacity (CFH Natural Gas)	1040 @ .5" w.c. Diff.
Hub Center-to-Center	11"
Hub Sizes	#5 Sprague
Meter Type	(TC) Temperature Compensated
Index Drive	10 ft ³ /revolution
Proving / Test Dials	ft ³ - 2.5' and 10' Proving Dials
Tangent Crank	1.8 revolutions/ft ³ or .8 ft ³ /revolution
Index	5 Digit Direct Read, Top Mount (ft ³ - Standard Pressure)

Meter M.A.O.P.	25 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	200
ITEM #6	
Dattus Fm2 - 5M or Approved Equal	With NPU AMI System Badger Orion Module Installed
Meter Capacity (CFH Natural Gas)	5,000
Flange to Flange	6.75"
Flange Size	3" with 6" bolt Diameter
Display	LCD
Volume Units	Imperial, CCF
Fixed Factor Pressure Correction	Programable base, atmospheric, and fixed pressures
Output	4 pulse output channels
Upgradeability	Field upgradeable, smaller or larger flow within the same model size
Accessories	Pulse output cable 10'
Meter M.A.O.P.	150 psig
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	50

**Alternate without NPU AMI Badger Orion installed on meter.
Meter must be compatible with the Badger Orion Modules being used in the NPU AMI installation.**

ITEM #1A	
Itron Metris 250 or Approved Equal	Must Be Compatible with NPU Badger Orion Gas Module
Meter Capacity	250 CFH Natural Gas @ .5 inch w.c. Diff.
Hub Center-to-Center	6"
Inlet and Outlet Hub Sizes	#1 Sprague Standard
Meter Type	(TC) Temperature Compensated
Units	Imperial (Cubic Feet - ft ³)
Index Drive	2ft ³ /revolution
Proving / Test Dials	ft ³ - 1/2' and 2' Proving Dials

Tangent Crank	14 revolutions/ft ³ or .071 ft ³ /revolution
Index	4 Digit Direct Read, Slant Face (ft ³ - Standard Pressure)
Meter M.A.O.P.	5 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	5000
ITEM #2A	
Itron Metris RM250 or Approved Equal	Must Be Compatible with NPU Badger Orion Gas Module
Meter Capacity	250 CFH Natural Gas @ .5 inch w.c. Diff.
Outlet Hub Size	#1 Sprague Standard
Inlet Connection	3/4" Female NPT
Meter Type	(TC) Temperature Compensated
Units	Imperial (Cubic Feet - ft ³)
Index Drive	2ft ³ /revolution
Proving / Test Dials	ft ³ - 1/2' and 2' Proving Dials
Tangent Crank	14 revolutions/ft ³ or .071 ft ³ /revolution
Index	4 Digit Direct Read, Slant Face (ft ³ - Standard Pressure)
Meter M.A.O.P.	5 PSIG
Regulator M.A.O.P.	125 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	500
ITEM #3A	
Itron Metris 400A or Approved Equal	Must Be Compatible with NPU Badger Orion Gas Module
Meter Capacity (CFH Natural Gas)	400 @ .5" w.c. Diff.
Hub Center-to-Center	6-25/32"
Hub Sizes	#4 Sprague
Meter Type	(TC) Temperature Compensated
Index Drive	2 ft ³ /revolution
Proving / Test Dials	ft ³ - 1/2' and 2' Proving Dials
Tangent Crank	9 revolutions/ft ³ or .111 ft ³ /revolution
Index	4 Digit Direct Read, Slant Face (ft ³ - Standard Pressure)
Meter M.A.O.P.	10 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)

ESTIMATED QUANTITY	100
ITEM #4A	
Itron Metris 675A or Approved Equal	Must Be Compatible with NPU Badger Orion Gas Module
Meter Capacity (CFH Natural Gas)	790 @ .5" w.c. Diff.
Hub Center-to-Center	10"
Hub Sizes	#4 Sprague
Meter Type	(TC) Temperature Compensated
Index Drive	10 ft ³ /revolution
Proving / Test Dials	ft ³ - 2.5' and 10' Proving Dials
Tangent Crank	1.8 revolutions/ft ³ or .8 ft ³ /revolution
Index	5 Digit Direct Read, Top Mount (ft ³ - Standard Pressure)
Meter M.A.O.P.	25 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	100
ITEM #5A	
Itron Metris 1000A or Approved Equal	Must Be Compatible with NPU Badger Orion Gas Module
Meter Capacity (CFH Natural Gas)	1040 @ .5" w.c. Diff.
Hub Center-to-Center	11"
Hub Sizes	#5 Sprague
Meter Type	(TC) Temperature Compensated
Index Drive	10 ft ³ /revolution
Proving / Test Dials	ft ³ - 2.5' and 10' Proving Dials
Tangent Crank	1.8 revolutions/ft ³ or .8 ft ³ /revolution
Index	5 Digit Direct Read, Top Mount (ft ³ - Standard Pressure)
Meter M.A.O.P.	25 PSIG
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
ESTIMATED QUANTITY	200
ITEM #6A	
Dattus Fm2 - 5M or Approved Equal	Must Be Compatible with NPU Badger Orion Gas Module
Meter Capacity (CFH Natural Gas)	5,000
Flange to Flange	6.75"
Flange Size	3" with 6" bolt Diameter
Display	LCD

Volume Units	Imperial, CCF
Fixed Factor Pressure Correction	Programable base, atmospheric, and fixed pressures
Output	4 pulse output channels
Upgradeability	Field upgradeable, smaller or larger flow within the same model size
Accessories	Pulse output cable 10'
Meter M.A.O.P.	150 psig
Meter Operating Temperature Range	-30°F to +120°F
Surface Treatment	ASA 49 Gray Polyester Powder Coat
Badging	Norwich Public Utilities (meter numbers provided at time of order)
<i>ESTIMATED QUANTITY</i>	50