



***National Fuel Gas Distribution Corporation
New York Division
Utility Maintained EDI Guide***

June 20, 2022

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INTRODUCTION

Brief Description of UMEG Contents

National Fuel Gas Distribution Corporation’s (“Distribution” or “Company”) Utility Maintain EDI Guide (“UMEG”) is designed to supplement New York’s EDI Standards documents (“EDI Standards”), i.e. the Implementation Guides, Data Dictionaries, Business Process Documents, etc. that comprise the EDI Standards.

The UMEG contains references to Distribution’s website. For general purposes the URL is:

<https://www.nationalfuel.com/business-partners/electronic-data-interchange/>

EDI IMPLEMENTATION OVERVIEW

1. EDI Web Site

Distribution maintains the below web page purposed for its EDI implementation. The web page includes contact information and a listing of notices pertaining to Distribution’s EDI Implementation. Suppliers and EDI Service Providers should stay current with such notices.

<https://www.nationalfuel.com/business-partners/electronic-data-interchange/>

2. EDI Contacts & Technical Support

Distribution has contracted with EC Infosystems for EDI Technical Support Services. With regard to the processing of EDI transactions, Suppliers who receive EDI services from EC Infosystems will not be afforded any advantage over, or be treated any differently than those who receive EDI services from other EDI Vendors.

The EDI Contacts for Distribution are as follows:

<u>Types of EDI Questions</u>	<u>Person</u>	<u>Phone Number</u>	<u>e-mail Address</u>
Testing Initiation	TSS Support	(716) 857-7232	TSSSupport@natfuel.com
Business Issues	Billing Help Desk	(716) 857-7432	TSD-Billng@natfuel.com
General Technical & Processing Issues, Testing, Network Outages	EDI Support Team	(516) 739-1001 ext. 25	nfg.edisupport@vertexone.net

EDI TRANSACTION IMPLEMENTATION NOTES**1. Supported Transactions**

Transaction Set Number	Document Name
814E	Enrollment Request
814E	Enrollment Request Response
814D	Drop Request
814D	Drop Request Response
814HU	Historical Usage Request
814HU	Historical Usage Request Response
814C	Change Request
814C	Change Request Response
814R	Reinstatement Request
814R	Reinstatement Response
824AA	Application Advice (Negative Notification)
867HU	Historical Usage
867MU	Monthly Usage
810URR	Invoice Transaction – Utility Rate Ready
810SR	Invoice Transaction – Single Retailer
820	Remittance Advice
248AA	Account Assignment Transaction
997	Functional Acknowledgement

Non-supported Bill-Ready¹ transactions:

810UBR	Invoice Transaction – Utility Bill Ready
568AR	Accounts Payment Advise ment
824PN	Application Advice (Positive Notification)

Other non-supported transactions:

503	Pricing History ²
568AR	Accounts Receivable Advise ment
867HIU	Historic Interval Usage Transaction
867MIU	Monthly Interval Usage Transaction

¹ For Utility Consolidated Billing, Distribution supports rate-ready transactions.

² In lieu of supporting the 503 EDI transaction, Distribution provides a web file [C3 - Monthly Billing Comparison] in the Secure Transactions section of its web site. The file layout and other details are available from the link: <https://www.nationalfuel.com/business-partners/billing-file-layouts-and-file-transfer-instructions/customer-billing/>

EDI File Formats

248AA - Account Assignment Transaction

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
NM1*SJ	Individual or Organizational Name (ESCO)	
NM1*8S	Individual or Organizational Name (Utility)	
HL	Hierarchical Level	
NM1*D4	Individual or Organizational Name (Customer)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Customer Account Number)	
REF*45	Reference Identification (Previous Utility Customer Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for the ESCO)	
REF*QY	Reference Identification (Commodity)	
PER*IC	Administrative Communications Contact (Customer Contact Information)	
BAL*CD	Balance Detail (Amount)	
DTP*630	Date or Time or Period (Assignment Date)	
DTP*003	Date or Time or Period (Invoice Information)	
AMT*5	Monetary Amount (Invoice Amount)	
REF*IK	Reference Identification (Invoice Number)	
REF*22	Reference Identification (Assignment Reason Code)	

Other Notes

No additional NFG specific notes.

810SR - Invoice Transaction – Single Retailer

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*OI	Reference Identification (Original Invoice Number)	
REF*12	Reference Identification (Utility Customer Account Number)	
REF*AJ	Reference Identification (Utility Account Number for the ESCO)	
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
ITD	Terms of Sale/Deferred Terms of Sale	
BAL*P*YB	Balance Detail (Prior Balance)	
BAL*P*TP	Balance Detail (Total Payments and Refunds)	
BAL*M*J9	Balance Detail (Beginning Balance)	
BAL*M*YB	Balance Detail (Total Outstanding Balance)	
PAM	Period Amount (Payment Posted or Refund Applied)	
IT1	Baseline Item Data (Charge Level)	
TXI*LS	Tax Information	
REF*BF	Reference Identification (Bill Cycle)	
REF*NH	Reference Identification (Utility Rate Service Class)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*PR	Reference Identification (Utility Rate Subclass)	
REF*VI	Reference Identification (Gas Pool ID)	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
SLN	Subline Item Detail (Item Counter)	
DTM*009	Date/Time Reference (Process Date)	
SAC	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	
TDS	Total Monetary Value Summary	
CTT	Transaction Totals	

Other Notes

No additional NFG specific notes.

810URR - Invoice Transaction – Utility Rate Ready

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*OI	Reference Identification (Original Invoice Number)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Customer Account Number)	
REF*45	Reference Identification (Previous Utility Customer Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for the ESCO)	
REF*BLT	Reference Identification (Bill Presenter)	
REF*PC	Reference Identification (Bill Calculator)	
REF*VI	Reference Identification (Gas Pool ID)	
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
ITD	Terms of Sale/Deferred Terms of Sale (Payment Due Date)	
BAL*M*YB	Balance Detail (Total Outstanding Balance)	
BAL*Y	Balance Detail (Budget Plan Cumulative Difference)	
BAL*M*41	Balance Detail (Budget Plan Current Month Difference)	
IT1	Baseline Item Data (Charge Category)	
TXI	Tax Information	
REF*MG	Reference Identification (Meter Number)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
SLN	Subline Item Detail	
SAC	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	
TDS	Total Monetary Value Summary (Total Current Charges)	
CTT	Transaction Totals	

Other Notes

No additional NFG specific notes.

814C - Change Transaction

Implementation Guide Note

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
N3	Address Information (Service Address)	
N4	Geographic Location (Service Address)	
PER*IC	Administrative Communications Contact (Customer Phone Number)	
N1*BT	Name (Name for Mailing)	
N3	Address Information (Mailing Address)	
N4	Geographic Location (Mailing Address)	
PER*IC	Administrative Communications Contact (Customer Phone Number)	
LIN	Item Identification	
ASI	Action or Status Indicator	
REF*7G	Reference Identification (Reject Response Reasons)	
REF*TD	Reference Identification (Reason for Change - Account Level)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for ESCO)	
REF*65	Reference Identification (Meter Cycle Code)	
REF*BF	Reference Identification (Bill Cycle Code)	
REF*BLT	Reference Identification (Bill Presenter)	
REF*PC	Reference Identification (Bill Calculator)	
REF*NR	Reference Identification (Current Budget Billing Status)	
REF*LF	Reference Identification (ESCO Late Fees)	Where the Company purchase the ESCO/NGS receivables, this segment is ignored.
REF*PGC	Reference Identification (Partial Participation Portion)	Not Supported by NFGDC.
REF*SU	Reference Identification (Customer on Life Support)	Not Supported by NFGDC.
REF*VI	Reference Identification (Gas Pool ID)	This segment is not supported by NFGDC, however, ESCOs/NGSs can submit pool changes can be submitted via the REF*VI segment of the 814E transaction. Pool changes follow the timeline rules generally applicable to enrollment transactions.
REF*GC	Reference Identification (Gas Capacity Assignment/Obligation)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*SPL	Reference Identification (ISO Location Based Marginal Pricing Zones)	Since the Company provides gas service only, this segment is not supported.
REF*RP	Reference Identification (Portion Taxed Residential)	Not Supported by NFGDC – ESCOs/NGSs must include the tax exemption percentage to the residential [AMT*9M] or commercial (non-residential) [AMT*9N] customer's tax rate.
REF*TDI	Reference Identification (Account Settlement Indicator)	Not Supported by NFGDC.
REF*YP	Reference Identification (NYPA Discount Indicator)	Since the Company provides gas service only, this segment is not supported.
REF*SG	Reference Identification (Utility Discount Indicator)	
REF*IJ	Reference Identification (Industrial Classification Code)	
REF*TX	Reference Identification (Tax Exempt Status)	
REF*IU	Reference Identification (Interval Usage Option)	Since the Company provides gas service only, this segment is not supported.
REF*5E	Reference Identification (APP Status)	
REF*KY	Reference Identification (Special Meter Configuration)	Since the Company provides gas service only, this segment is not supported.
DTM*007	Date/Time Reference (Effective Date of Change)	
DTM*150	Date/Time Reference (Assigned Service Start Date)	
DTM*151	Date/Time Reference (Assigned Service End Date)	
DTM*AB2	Date/Time Reference (ICAP Effective Date)	Since the Company provides gas service only, this segment is not supported.

Segment	Segment Name	Notes and Comments
AMT*B5	Monetary Amount (ESCO Budget Plan Installment Amount)	Not Supported by NFGDC – Budget Plan Amounts are determined by the Company.
AMT*DP	Monetary Amount (Tax Exemption Percent)	Not Supported by NFGDC – ESCOs/NGSs must include the tax exemption percentage to the residential [AMT*9M] or commercial (non-residential) [AMT*9N] customer's tax rate.
AMT*RJ	Monetary Amount (ESCO Commodity Price)	Not Supported by NFGDC – ESCO/NGS commodity prices are provided to the Company via a non-EDI process.
AMT*FW	Monetary Amount (ESCO Fixed Charge)	Not Supported by the Company.
AMT*9M	Monetary Amount (Customer's Tax Rate for ESCO Charges -1)	Used by ESCOs/NGSs to communicate the sales tax rate to be applied by the Company to the ESCO/NGS's portion of a residential customer's bill under the Utility Consolidated Billing (UCB) Model.
AMT*9N	Monetary Amount (Customer's Tax Rate for ESCO Charges -2)	Used by ESCOs/NGSs to communicate the sales tax rate to be applied by the Company to the ESCO/NGS's portion of a commercial (non-residential) customer's bill under the Utility Consolidated Billing (UCB) Model.
AMT*KZ	Monetary Amount (ICAP)	Since the Company provides gas service only, this segment is not supported.
AMT*7	Monetary Amount (ESCO Pricing Adjustment Credit)	
AMT*UJ	Monetary Amount (ESCO Generic Credit)	
AMT*B1	Monetary Amount (Basic HEAP Payment Amount Received)	
AMT*BK	Monetary Amount (Emergency HEAP Payment Amount Received)	
NM1*MX	Metered or UnMetered Service Points	
REF*TD	Reference Identification (Reason for Change - Meter Level)	
REF*46	Reference Identification (Old Meter Number)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Utility Rate Sub Class)	
REF*LO	Reference Identification (Utility Load Profile Group Code)	Not Supported by the Company.
REF*MT	Reference Identification (Measurement Type and Reporting Interval)	
REF*TU	Reference Identification (Use Time of Day)	Not Supported by the Company.
REF*RB	Reference Identification (ESCO Rate Code)	

Other Notes

No additional NFG specific notes.

814D – Drop Transaction

Implementation Guide Notes

Segment	Segment Name	Notes and Comments
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
N3	Address Information (Service Address)	
N4	Geographic Location (Service Address)	
N1*BT	Name (Mailing Address)	
N3	Address Information (Mailing Address)	
N4	Geographic Location (Mailing Address)	
LIN	Item Identification	
ASI	Action or Status Indicator	
REF*1P	Reference Identification (Drop Reason and Initiating Party)	
REF*7G	Reference Identification (Reject Response Reason)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for ESCO)	
REF*VI	Reference Identification (Gas Pool Id)	
DTM*151	Date/Time Reference (Service End Date)	

Other Notes

Contest Period Reinstatement Requests are not supported in Distribution's Pennsylvania service territory; restoring a customer to the current NGS can be accomplished through a last-in enrollment transaction provided such transaction is received on the business day prior to the scheduled switching date.

814E – Enrollment Transaction

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
N3	Address Information (Service Address)	
N4	Geographic Location (Service Address)	
PER*IC	Administrative Communications Contact Customer Phone Number)	
N1*BT	Name (Name for Mailing)	
N3	Address Information (Mailing Address)	
N4	Geographic Location (Mailing Address)	
PER*IC	Administrative Communications Contact Customer Phone Number)	
LIN	Item Identification	
ASI	Action or Status Indicator	
REF*7G	Reference Identification (Reject Response Reasons)	
REF*1P	Reference Identification (Response Information or Warnings)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for ESCO)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*65	Reference Identification (Meter Cycle Code)	
REF*BF	Reference Identification (Bill Cycle Code)	
REF*BLT	Reference Identification (Bill Presenter)	
REF*PC	Reference Identification (Bill Calculator)	
REF*NR	Reference Identification (Current Budget Billing Status)	
REF*LF	Reference Identification (ESCO Late Fees)	
REF*PGC	Reference Identification (Partial Participation Portion)	
REF*SU	Reference Identification (Customer on Life Support)	
REF*VI	Reference Identification (Gas Pool ID)	
REF*GC	Reference Identification (Gas Capacity Assignment/Obligation)	
REF*GS	Reference Identification (Gas Supply Service Option)	
REF*ALC	Reference Identification (Human Needs Customer)	
REF*SPL	Reference Identification (ISO Location Based Marginal Pricing Zones)	Since the Company provides gas service only, this segment is not supported.
REF*RP	Reference Identification (Portion Taxed Residential)	
REF*TDT	Reference Identification (Account Settlement Indicator)	
REF*YP	Reference Identification (NYPA Discount Indicator)	Since the Company provides gas service only, this segment is not supported.
REF*SG	Reference Identification (Utility Discount Indicator)	

Segment	Segment Name	Notes and Comments
REF*IJ	Reference Identification (Industrial Classification Code)	
REF*TX	Reference Identification (Utility Tax Exempt Status)	
REF*IU	Reference Identification (Interval Usage Option)	Since the Company provides gas service only, this segment is not supported.
REF*PG	Reference Identification (Public Aggregator)	The Company does not support this segment.
REF*5E	Reference Identification (APP Status)	
REF*KY	Reference Identification (Special Meter Configuration)	Since the Company provides gas service only, this segment is not supported.
DTM*150	Date/Time Reference (Assigned Service Start Date)	
DTM*AB2	Date/Time Reference (ICAP Effective Date)	Since the Company provides gas service only, this segment is not supported.
DTM*AB4	Date/Time Reference (ICAP Future Effective Date)	Since the Company provides gas service only, this segment is not supported.
AMT*B5	Monetary Amount (ESCO Budget Plan Installment Amount)	
AMT*BD	Monetary Amount (ESCO Budget Plan Balance)	
AMT*DP	Monetary Amount (Tax Exemption Percent)	
AMT*RJ	Monetary Amount (Commodity Price)	
AMT*FW	Monetary Amount (ESCO Fixed Charge)	The Company does not support this segment.
AMT*9M	Monetary Amount (Customer's Tax Rate for ESCO Charges - 1)	
AMT*9N	Monetary Amount (Customer's Tax Rate for ESCO Charges - 2)	
AMT*KZ	Monetary Amount (ICAP)	Since the Company provides gas service only, this segment is not supported.
AMT*8B	Monetary Amount (Future ICAP)	Since the Company provides gas service only, this segment is not supported.
NM1*MQ	Metered or Un-Metered Service Points	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*NH	REF Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	
REF*LO	Reference Identification (Utility Load Profile Group Code)	Since the Company provides gas service only, this segment is not supported.
REF*MT	Reference Identification (Measurement Type and Reporting Interval)	
REF*TU	Reference Identification (Use Time of Day)	Since the Company provides gas service only, this segment is not supported.
REF*RB	Reference Identification (ESCO Rate Code)	

Other Notes

No additional NFG specific notes.

814HU – Historical Usage Transaction

Implementation Guide Notes

Segment	Segment Name	Notes and Comments
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
N3	Address Information (Service Address)	
N4	Geographic Location (Service Address)	
LIN	Item Identification	
ASI	Action or Status Indicator	
REF*7G	Reference Identification (Reject Response Reasons)	For new accounts that have not yet completed one billing cycle, limited non-usage information may be available from the Company's Customer Information Inquiry secure website.
REF*1P	Reference Identification (Response Information or Warnings)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for ESCO)	

Other Notes

No additional NFG specific notes.

814R – Reinstatement Transaction

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
LIN	Item Identification	
ASI	Action or Status Indicator	
REF*7G	Reference Identification (Rejection Reason)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for ESCO)	
DTM	Date/Time Reference (Reinstatement Date)	

Other Notes

No additional NFG specific notes.

820 – Remittance Advice

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
TRN*3	Trace	
REF*AJ	Reference Identification (Utility Account Number for the ESCO)	
DTM*097	Date/Time Reference (Transaction Creation Date)	
N1*PR	Name (Payer)	
N1*PE	Name (Payee)	
ENT*1	Entity	
RMR	Remittance Advice Accounts Receivable Open Item Reference	
NTE*CCG	Note/Special Instruction (Customer Name)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*60	Reference Identification (Cross Reference Number)	
REF*IK	Reference Identification (Invoice Number)	
REF*QY	Reference Identification (Commodity)	Since the Company provides gas service only, the Company does not populate REF03. This segment is always REF*QY*GAS
DTM*809	Date/Time Reference (Date Posted)	

Other Notes

No additional NFG specific notes.

824AA – Application Advice

Implementation Guide – Positive Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*AJ	Reference Identification (Utility Account Number for ESCO)	
OTI	Original Transaction Identification	
REF*6O	Reference Identification (Cross Reference Number)	
DTM*311	Date/Time Reference (Payments Applied Through Date)	
DTM*814	Date/Time Reference (Payment Due Date)	
AMT*ADD	Monetary Amount (Total Payments Applied)	
AMT*BD	Monetary Amount (Total Amount Due)	

Implementation Guide – Negative Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
N1*SJ	Name (ESCO)	
REF*AJ	Reference Identification (Utility Account Number for ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
REF*12	Reference Identification (Utility Account Number)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
OTI	Original Transaction Identification	
REF*6O	Reference Identification (Cross Reference Number)	
REF*PW	Reference Identification (Purchase Order Number)	
TED*848	Technical Error Description	
NTE*ADD	Note/Special Instruction	

Other Notes

No additional NFG specific notes.

867HU – Consumption History Transaction

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
N3	Address Information (Service Address)	
N4	Geographic Location (Service Address)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*SPL	Reference Identification (ISO Location Based Marginal Pricing Zones)	Since the Company provides gas service only, this segment is not supported.
REF*VI	Reference Identification (Gas Pool ID)	
PTD*BO	Product Transfer and Resale Detail (Metered Summary)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	
REF*LO	Reference Identification (Load Profile)	
QTY*FL	Quantity	
MEA	Measurements	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
PTD*BC	Product Transfer and Resale Detail (Unmetered Usage)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*LO	Reference Identification (Load Profile)	
QTY*FL	Quantity	
MEA	Measurements	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
PTD*BQ	Product Transfer and Resale Detail (Metered Consumption Detail)	
REF*MG	Reference Identification (Meter Number)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	
REF*LO	Reference Identification (Load Profile)	
QTY*FL	Quantity	
MEA	Measurements	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
PTD*PG	Product Transfer and Resale Detail (Gas Profile Factors)	
DTM*193	Date/Time Reference (Profile Period Start Date)	
DTM*629	Date/Time Reference (Date Customer Initiated Service)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	
QTY*1Y	Quantity (Base)	Not Supported by the Company.
QTY*FJ	Quantity (Slope)	Not Supported by the Company.
QTY*LP	Quantity (Load Factor)	Not Supported by the Company.
QTY*LH	Quantity (UFG Rate)	Not Supported by the Company.

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
QTY*CG	Quantity (Maximum Delivery)	Not Supported by the Company.
PTD*SM	Product Transfer and Resale Detail (Gas Profile Data)	Not Supported by the Company.
DTM*582	Date/Time Reference (Report Month)	Not Supported by the Company.
QTY*AY	Quantity (Projected Monthly Usage)	Not Supported by the Company.
QTY*70	Quantity (Projected Monthly Delivery Quantity)	Not Supported by the Company.
QTY*WD	Quantity (Projected Daily Delivery Quantity)	Not Supported by the Company.
QTY*BA	Quantity (Projected Balancing Use)	Not Supported by the Company.
AMT*SW	Monetary Amount (Projected Swing Charges)	Not Supported by the Company.
PTD*FG	Product Transfer and Resale Detail (Additional Information)	
REF*0N	Reference Identification (Customer Supply Status)	
REF*IJ	Reference Identification (Industrial Classification Code)	
REF*TX	Reference Identification (Utility Tax Exempt Status)	
REF*TDT	Reference Identification (Account Settlement Indicator)	
REF*YP	Reference Identification (NYPA Discount Indicator)	Since the Company provides gas service only, this segment is not supported.
REF*SG	Reference Identification (Utility Discount Indicator)	
REF*ZV	Reference Identification (Enrollment Block)	
REF*BF	Reference Identification (Bill Cycle Code)	
QTY*KZ	Quantity (ICAP)	Since the Company provides gas service only, this segment is not supported.

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
DTM*007	Date/Time Reference (ICAP Effective Dates)	Since the Company provides gas service only, this segment is not supported.
QTY*9M	Quantity (Number of Meters)	
REF*MG	Reference Identification (Meter Number)	

Other Notes

No additional NFG specific notes.

867MU – Monthly Usage Transaction

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
DTM*634	Date/Time Reference (Next Meter Read Date)	
N1*SJ	Name (ESCO)	
N1*8S	Name (Utility)	
N1*8R	Name (Customer)	
N3	Address Information (Service Address)	
N4	Geographic Location (Service Address)	
REF*11	Reference Identification (ESCO Customer Account Number)	
REF*12	Reference Identification (Utility Account Number)	
REF*45	Reference Identification (Previous Utility Account Number)	The Company does not change an existing customer's account number as a business process therefore it does not support this segment.
REF*BLT	Reference Identification (Bill Option)	
PTD*BO	Product Transfer and Resale Detail (Metered Consumption Summary)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	
QTY*FL	Quantity	
AMT*ZT	Monetary Amount (Back Out Credit)	
MEA	Measurements	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
PTD*BC	Product Transfer and Resale Detail (Un- metered Consumption)	
REF*NH	Reference Identification (Utility Rate Service Class)	

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
REF*PR	Reference Identification (Rate Sub Class)	
QTY*FL	Quantity	
AMT*ZT	Monetary Amount (Back Out Credit)	
MEA	Measurements	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
PTD*BQ	Product Transfer and Resale Detail (Metered Consumption Detail)	
REF*MG	Reference Identification (Meter Number)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	
QTY*FL	Quantity	
AMT*ZT	Monetary Amount (Back Out Credit)	
MEA	Measurements	
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	
PTD*BK	Product Transfer and Resale Detail (Interim Bill Notice)	
PTD*PM	Product Transfer and Resale Detail (Metered Usage Detail)	
REF*MG	Reference Identification (Meter Number)	
REF*LU	Reference Identification (Service Point ID)	
REF*IX	Reference Identification (Number of Dials)	
REF*NH	Reference Identification (Utility Rate Service Class)	
REF*PR	Reference Identification (Rate Sub Class)	

Segment	Segment Name	Notes and Comments
QTY*FL	Quantity	
AMT*ZT	Monetary Amount (Back Out Credit)	
MEA	Measurements (Usage)	
MEA**MU	Measurements (Meter Multiplier)	
MEA**B1	Measurements (Metered Base Load)	
MEA**CF	Measurements (Therm Factor)	The Company does not support this segment. Instead BTU adjustment factors are provided on its web site at https://www.nationalfuel.com/business-partners/historical-btus-and-shrinkage-fuel-rates/
MEA**TPF	Measurements (Degree Day Factor)	The Company does not support this segment. Instead BTU adjustment factors are provided on its web site at https://www.nationalfuel.com/business-partners/historical-btus-and-shrinkage-fuel-rates/
MEA**CO	Measurements (Transformer Loss Adjustment Factor)	Since the Company provides gas service only, this segment is not supported.
DTM*150	Date/Time Reference (Period Start Date)	
DTM*151	Date/Time Reference (Period End Date)	

Other Notes

No additional NFG specific notes.

997 – Functional Acknowledgement

Implementation Guide Notes

<u>Segment</u>	<u>Segment Name</u>	<u>Notes and Comments</u>
AK1	Functional Group Response Header	
AK2	Transaction Set Response Header	
AK3	Data Element Note	
AK4	Transaction Set Response Trailer	
AK5	Functional Group Response Trailer	

Other Notes

No additional NFG specific notes.

APPENDICES**ACRONYMS**

CBS	Consolidated Billing Service
CCF	100 Cubic Feet (Volumetric)
CIS	Customer Information System
CME	Calendar Month Estimate
DD	Degree Day
DPS	Department of Public Service (New York)
EBB	Electronic Bulletin Board
EBD PTR	Elderly, Blind or Disabled Payment Troubled Residential Assistance Program
ESCO	Energy Services Company
GRT	Gross Receipts Tax
GTOP	Gas Transportation Operating Procedures manual
HEAP	Home Energy Assistance Program
HEFPA	Home Energy Fair Practices Act
LDC	Local Distribution Company or Utility, e.g. Distribution
LIRA	Low Income Residential Assistance
MCB	Marketer Combined Billing
MCF	Thousand Cubic Feet (volumetric) or approx. 10 therms
NAESB	North American Energy Standards Board
NFGDC	National Fuel Gas Distribution Corporation
NGS	Natural Gas Supplier
NYPSC or PSC	New York Public Service Commission
PAPUC or PUC	Pennsylvania Public Utility Commission
POR	Purchase of Receivables
SC	Service Class
STBA	Supplier Transportation, Balancing and Aggregation
TPA	Trading Partner Agreement
TSS	Transportation Scheduling System
UBPs	Uniform Business Practices
UCB	Utility Consolidated Billing or Utility Combined Billing
UMEG	Utility Maintained EDI Guide

DEFINITIONS

Billing Cycle	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Billing Service Agreement	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Burner Tip Consumption	Consumption at end-use customer's billing meter.
Calendar Month Estimate (CME)	An estimate of the volume used during a calendar month based upon billing cycle meter readings and/or estimates, weather and/or proration.
Choice Billing	Distribution's Utility Consolidated Billing Service that combines Marketer supply charges with utility delivery charges on one bill issued to the Customer by Distribution.
Commercial	A sector of customers or service defined as non-manufacturing business establishments, including but not limited to (i.e. apartment complexes = residential usage – but if in the complex or corp. name are commercial) hotels, motels, restaurants, wholesale businesses, retail stores, and health, social, and educational institutions. A utility may classify the commercial sector as all consumers whose demand or annual use exceeds some specified limit. The limit may be set by the utility based on the rate schedule of the utility.
Commission	As pertains to New York, Public Service Commission of the State of New York or, for Pennsylvania, Pennsylvania Public Utility Commission.
Commodity Charge (or Rate)	A charge per unit of service actually delivered to the customer.
Commodity Costs	Those costs that are allocated on the basis of actual use of service.
Control Number	The sequential number that determines a customer's meter read date.
Control Date	A date when a Customer's supply service may be switched from one ESCO to another ESCO or to or from Company provided sales service. See also Billing Cycle .
Current NGS	A term describing the current Supplier, when a Customer is scheduled to be switched to another NGS or returned to Company provided sales service as of the next Control Date. For New York, the equivalent term in Incumbent ESCO.
Customer	An individual, firm or organization that purchases service at one location under one rate classification, contract, or schedule. If service is supplied at more than one location or under more than one rate schedule, each location and rate schedule may be counted as a separate customer. See Class of Service.
Customer Account Number	The utility specific unique identifier associated with a utility customer.
Customer Consent Form	Form by which a transportation customer may select a Supplier.
Cycle Billing	A billing procedure that provides for the billing of a portion of customers each working day so that all customers are billed within a predetermined period, such as one month, two months, etc. See also Billing Cycle .
Direct Customer	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Distribution (Gas Utility) Company	A company that obtains the major portion of its natural gas operating revenues from the operation of a retail gas distribution system and that operates no transmission system other than incidental connections within its own system or to the system of another company. See also Local Distribution Company .
Dual Billing	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Energy Services Company (ESCO)	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Gross Receipts Tax (GRT)	The tax based on the total sales revenues derived from the furnishing of utility services.
GTOP	The Company's Gas Transportation Operating Procedures Manual.

Home Energy Assistance Program (HEAP)	A federal benefit and assistance program that helps qualifying low income households pay their heating and cooling energy costs.
Home Energy Fair Practices Act (HEFPA)	HEFPA is the title part of the New York Public Service Law (sections 30 et seq.). HEFPA authorizes the Commission to adopt implementing regulations; these regulations are set forth in 16 NYCRR Part 11 and are referred to as HEFPA regulations. The law and regulations cover initiation and termination of service, credit and collection policies, security deposits and related rules for transactions between utilities and their customers.
Incumbent ESCO	A term describing the current Supplier, when a Customer is scheduled to be switched to another ESCO or returned to Company provided sales service as of the next Control Date. For Pennsylvania, the equivalent term in Current NGS.
Involuntary Switch	A process or situation where a customer's energy Supplier is changed from one provider to another without the customer's authorization. This would include situations where a customer returns to utility service as a result of a Supplier's failure to deliver. An involuntary switch that is not in accord with the "Discontinuance of Service" provision set forth in the rules is referred to as "slamming"; See Slamming.
Low Income Residential Assistance (LIRA)	A program designed to assist economically disadvantaged customers in the reduction of their arrearages. Eligible customers will receive a lower gas rate, arrearage forgiveness, a conservation credit (as earned), and case management counseling with referrals made to other available programs when appropriate.
MCF	One thousand (1000) cubic feet. This is a measure of gas usage. The average domestic user consumes 100-200 Mcf annually. Very roughly, 1 Mcf = 1 MMBtu = 1 Dth = 1 gigajoule.
Market Pool	A logical grouping of end-use transportation customer burner tips or an aggregation group designated and authorized to receive gas; within the context of EDI, equivalent to Gas Pool.
Marketer	A competitive gas supplier, equivalent to ESCO - See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Natural Gas Supplier (NGS)	For Pennsylvania, (1) An entity that sells or arranges to sell natural gas to customers that is delivered through the distribution lines of an NGDC. (2) An entity other than a NGDC, but including natural gas distribution company marketing affiliates (without regard to structural relationship), which provides natural gas supply services to retail gas customers utilizing the jurisdictional facilities of a NGDC. The term includes a NGDC that provides natural gas supply services outside its certificate service territories. The term includes a municipal corporation, its affiliates or any joint venture, to the extent that it chooses to provide natural gas supply services to retail customers located outside of its corporate or municipal limits. For New York – see ESCO.
New Delivery Customer	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Non-aggregated Transportation Customers	A customer, with annual natural gas consumption in excess of 3,500 Mcf that acts on its own behalf as a Direct Customer under the UBPs in arranging to bring natural gas to the utility's City Gate.
Non-residential Applicant	Any person, corporation or other entity that has requested and made application for gas service as a non-residential customer.
Non-residential Customer	Any person, corporation or other entity, supplied by Distribution with gas service under Distribution's tariff and pursuant to an accepted application for service, who is not a residential customer as defined in Distribution's tariff.

Normal Business Hours	7:30 AM to 5:00 PM on normal business days, i.e. the hours staffed during the days on which the Company is open for regular business.
North American Energy Standards Board (NAESB)	A nonprofit North American industry association whose mission is to “propose and adopt voluntary standards and model business practices designed to promote more competitive and efficient natural gas and electric service, as such standards apply to electronic data interchange (“EDI”) record formats and communications protocols and related business practices that streamline the transactional processes of the natural gas and electric industries.”
Pending ESCO	A term describing the prospective Supplier, when a Customer is scheduled to be switched from sales service or another Supplier as of the next Control Date.
Pennsylvania Public Utility Commission (PAPUC or PUC)	The regulatory body in Commonwealth of Pennsylvania that governs procurement, gas sales and transportation services of Distribution.
Pool	Pools are groups of customers supplied by one Marketer; see Market Pool.
Pool Agent	The Pool Agent is responsible for establishing and maintaining a Pool. Only the Pool Agent can change the parameters of a Pool.
Pool Operator	A general term that is applicable to either Market Pool Operators or Production Pool Operators. In most cases, this term is interchangeable with Pool Agent.
Public Service Commission of the State of New York (NYPSC or PSC)	The regulatory body in New York State that governs procurement, gas sales and transportation services of Distribution.
Rate	The unit charge or charges made by an energy company or utility to customers for energy.
Ratepayer Billing Account (RBA)	A nine-digit number assigned to a transportation customer for identification purposes. See Distribution Utility Customer Account Number within the UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Residential	Private household establishments which consume energy primarily for space heating, water heating, air conditioning, lighting, refrigeration, cooking and clothes drying. The classification of an individual consumer's account, where the use is both residential and commercial, is based on principal use.
Residential Applicant/Customer	Any person who requests gas service at a premises to be used as his or her residence or the residence of a third party on whose behalf the person is requesting service, and where the person meets the criteria set forth in 16 NYCRR, paragraph 11.2(a)(2).
Retail Access Program	The transmission, distribution, and delivery by Distribution to the customer of natural gas requirements, furnished to Distribution by the customer or by a third party on the customer’s behalf pursuant to the provisions of Commission No. 207 and in particular Rule 39.
Retail Supplier	An energy services company who has registered with the Commission, been approved as a provider of natural gas service to customers in New York, and has met all other approval requirements of Distribution; see ESCO.
Restricted STBA	For purposes of EDI and creditworthiness requirements, an STBA Group that limits enrollments to STBA Customer accounts under common ownership. All Restricted STBAs are also Direct Customers.
Slamming	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Special Meter Read	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.
Special Needs Customer	See UBP Definitions in GTOP Addendum 1, SECTION 1, Appendix B.

Supplier Transportation Balancing and Aggregation (STBA)	Service available under Distribution's SC-19 whereby Distribution will provide transportation and balancing services to facilitate the redelivery of gas supplies from the City Gate to the customer.
STBA Customer	Transportation Service customer who has elected an alternative gas Supplier approved under the terms of SC-19 of Distribution's tariff.
STBA Group	The Supplier's Group of STBA customers, i.e. the Gas Pool.
Supplier	For New York, (1) Signatory to an STBA Agreement who, in the sole judgment of Distribution, has been determined creditworthy for participation in the STBA program or (2) A third party provider, aggregator or Marketer of natural gas; see ESCO. For Pennsylvania - see Natural Gas Supplier.
Tariff	A document filed by a regulated entity with either a federal or state commission. It lists the services the entity will provide, rates the regulated entity will charge to provide service to its customers, and the terms and conditions that it will follow in providing service.
Telemetry	Process by which measured quantities of gas are transmitted through telecommunication to a remote location.
Transportation Customer	Transportation Service customer of Distribution; an ESCO customer that receives delivery service from Distribution is a type of transportation customer.
Uniform Business Practices (UBPs)	Refers to the guidelines originally adopted by the Commission in Case No. 98-M-1343 as of April 15, 1999 and as modified from time to time.
Voluntary Switch	A process or situation where a customer's energy Supplier is changed from one provider to another with the customer's direct authorization.
Website	A set of related web pages on internet usually accessible from a single worldwide web domain. Distribution's website, for UMEG purposes, is https://www.nationalfuel.com/business-partners/electronic-data-interchange/

WEB FILES/NON-EDI DATA EXCHANGE

Distribution's website includes a secured portal for Direct Customers or NGSs to provide certain customer information not available via EDI. Data is provided in structured delimited ASCII flat files. File layouts and narrative descriptions for these flat files are available on Distribution's website at:

<https://www.nationalfuel.com/business-partners/supplier-and-customer-portal/>

The delimited ASCII flat files and Distribution's form of electronic data exchange and should not be confused with X12 EDI standards required for ESCOs. Access to the information available via ASCII flat files on the website is dependent upon qualification under aggregation services and a user ID/password obtained through Transportation Services Department.

FILE FORMATS

Electronic Exchange of Daily Delivery Quantity Data

ADDQ information (in PDF format) can be obtained through TSS each morning after 8:45 AM by executing the TSS shortcuts EADDQ (for aggregation market pools) or EEDDQ (for SC-16 market pools).

Additionally, ADDQ information is available in the standard file format for electronic exchange of daily delivery quantity data between LDCs and Marketers approved in the Commission's Opinion and Order on Implementation of Electronic Data Interchange (Opinion No. 00-05), issued April 12, 2000. As a general description, this is a flat ASCII file in comma separated value (.CSV) format. The first row of the file is comprised of the standard field names or standard abbreviations for the data elements in the order in which the corresponding data is to appear in all subsequent rows. The CSV ADDQ flat file contains one row of data per pool. Should a Marketer operate several pools, one row of data is provided per pool. In the case of non-aggregation transportation pools, one row of data is provided per RBA.

Distribution's implementation has the following file layout:

Field Name	Abbreviation
Transaction ID	Tran ID
System Date	Sys Date
Utility DUNS	TSP
Marketer DUNS	Svc Req
Transaction Type	TT
Unit of Measure for Energy	Units
ADDQ for Month/Year	Acct Per
Pool ID	Svc Req K
Account Number	Dn K
ADDQ for Day 1	A1
ADDQ for Day 2	A2
ADDQ for Day 3	A3
...	
ADDQ for Day 31	A31
Contact Name	Contact Name
Contact Phone	Contact Phone

To obtain a file in this format, TSS shortcuts EADDQF (for aggregation market pools) or EEDDQF (for MMT or DMT market pools) should be utilized.

Utility Combined Billing Rate Submission

The rates must be submitted as an Excel workbook attachment to the email. The format for the workbook consists of eight columns with a header row consisting of eight columns. In addition to the header row, a row should be provided for each Rate Code for which a rate change is being submitted. An example is shown below:

Marketer ID	Rate Effective Date	Rate Code	Rate (\$ per ccf)	Prorate?	Commodity Discount	Total Bill Discount	Zero Percent Indic
999999	11/28/2012	1A	0.987654	Y			

Alternatively, a sample file may be obtained by contacting Transportation Services.

Process

All rates should be submitted to Transportation Service via email to TSD-Notify@natfuel.com.