The information below is effective on the 1st day of February, 2024. This information and revisions thereto may be set forth on this document or its electronic equivalent (email or facsimile, sent by a designated representative of one party to a designated representative of the other party).

**Contact Information**

|  |  |  |
| --- | --- | --- |
| **Company Name** | *Northern Natural Gas* |  |
| **Primary****Business** Representative: | Brandon Hajek |  |
| Telephone: | 402-218-0527 |  |
| After Hours Support: | 402-218-0527 |  |
| Fax: |  |  |
| E-mail | brandon.hajek@nngco.com |  |
| **Secondary**Business Representative | Jack O’Connell |  |
| Telephone | 402-618-4512 |  |
| After Hours Support | 402-618-4512 |  |
| Fax |  |  |
| E-mail: |  |  |
| PrimaryTechnical Representative: | Brandon Hajek |  |
| Telephone: | 402-218-0527 |  |
| After Hours Support: | 402-218-0527 |  |
| Fax: |  |  |
| E-mail | brandon.hajek@nngco.com |  |
| SecondaryTechnical Representative | On-call EDI Administrator/Technical Resource Center |  |
| Telephone |  |  |
| After Hours Support | 515-242-4357 |  |
| Fax |  |  |
| E-mail: | gisb.edm.edi.nng@midamerican.com |  |
| Additional Technical Representative | N/A |  |
| Contact Name: |  |  |
| Telephone: |  |  |
| After Hours Support: |  |  |
| Fax: |  |  |
| E-mail: |  |  |

**Communication Specifications**

|  |  |  |
| --- | --- | --- |
| **Company Name** | *Northern Natural Gas* |  |
| **Versions:** |  |  |
| NAESB standards  | Current NAESB version |  |
| Internet ET/QEDM  | 3.1+ |  |
| **Misc Header:** |  |  |
| HTTP to/from tag (DUNS Number – Entity Common Code): |  |  |
|  Test | 784158214 |  |
|  Production | 784158214 |  |
| Using MA data element ‘refnum’/’refnum-orig’ in Request? (Y/N) | N |  |
| Using MA data element ‘time-c-qualifier’ in Receipt? (Y/N) | N |  |
| Using MA data element ‘transaction-set’ in Request? (Y/N) | N |  |
| **Test URL** |  |  |
| Receipt Computer URL (host name or IP address, directory and program name, port) | <https://edmedi-test.bheapps.com> |  |
| ID: | Provided separately |  |
| Password: | Provided separately |  |
| **Production URL** |  |  |
| Receipt Computer URL (host name or IP address, directory and program name, port) | <https://edmedi.bheapps.com> |  |
| ID: | Provided separately |  |
| Password: | Provided separately |  |

**Public Encryption Key Exchange Procedures**

Define security procedures, including but not limited to encryption, authentication, and GPG or PGP version.

|  |  |  |
| --- | --- | --- |
| **Company Name** | *Northern Natural Gas* |  |
| PGP Public Key | NNG\_QA\_2048\_2022NNG\_PROD\_2048\_2022 |  |
| Finger Print |  |  |
| User ID (Alpha, spaces, numbers only; no special characters) |  |  |
| Decryption After Receipt/Using Error Notification Transaction (Yes/No) | No |  |
| Contact name and related information (phone number and/or e-mail address) for public encryption key exchange | Scheduled: Brandon Hajekbrandon.hajek@nngco.com | Scheduled:  |
| Emergency:NNG Hub Helpdeskgisb.edm.edi.nng@midamerican.com | Emergency:  |
| Chosen electronic method of key exchange | Email |  |
| Scheduled public encryption key exchange procedures including frequency | None |  |
| Verification procedures to confirm appropriate exchange of public encryption keys | Verbal fingerprint verification |  |
| Other |  |  |

**Transaction Set Information**

|  |  |  |
| --- | --- | --- |
| **Company Name** | *Northern Natural Gas* |  |
| Sub element delimiters/Data Element delimiters/Segment terminators | Sub: anyData: anySegment: any | Sub: Data: Segment:  |
| Functional Acknowledgments (997) required? | Preferred |  |
| ISA Qualifier / ISA ID: |  |  |
|  Test | 14 / 784158214INTT |  /  |
|  Production | 14 / 784158214INTP  |  /  |

Please fill in the information for the transaction sets and indicate in the Environment whether it is for Test (T), Production (P) or both (B).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Sending** **Party’s** | **Receiving****Party’s** |  |
| **Environment****(T, P or B)** | **Transaction Set Number** | **NAESB –x12 Version** | **Natural Gas Document Name** | **GS ID (GS02)** | **GS ID (GS03)** | **FA/RD time frame (minutes)** |
| B | 873NMST | 3.1 – 7030 | Nomination |  | 784158214NMST | 5-15 |
| B | 874NMQR | 3.1 – 4040 | Nomination Quick Response | 784158214NMQR |  | 5-15 |
| B | 873SQTS | 3.1 – 7030 | Scheduled Quantity | 784158214SQTS |  | 5-15 |
| B | 873SQOP | 3.1 – 5020 | Scheduled Quantity for Operator | 784158214SQOP |  | 5-15 |
| B | 873RQCF | 3.1 – 5020 | Request for Confirmation |  | 784158214RQCF | 5-15 |
| B | 874CRQR – V5 | 3.1 – 6010 | Confirmation Quick Response | 784158214CRQR |  |  |
| B | 874CRQR – V3 | 3.1 – 6010 | Confirmation Quick Response |  | 784158214CRQR |  |
| B | 873RRFC | 3.1 – 5020 | Confirmation Response | 784158214RRFC |  | 5-15 |
| B | 874CRQR | 3.1 – 6010 | Confirmation Response Quick Response |  | 784158214CRQR | 5-15 |
| B | 873ALLC | 3.1 – 6042 | Allocation Statement | 784158214ALLC |  |  |
| B | 811IMBL | 3.1 – 6020 | Imbalance Statement | 784158214IMBL |  |  |
| B | 867MSIN | 3.1 – 6042 | Measurement Information | 784158214MSIN |  | 5-15 |
| B | 867MAUS | 3.1 – 6042 | Measured Volume Audit Statement | 784158214MAUS |  | 5-15 |
| B | 873STOR | 3.1 – 4060 | Storage Information | 784158214STOR |  |  |
| B | 811TSIN | 3.1 – 6031 | Transportation/Sales Invoice | 784158214TSIN |  |  |
| B | 811SRCA | 3.1 - 6031 | Service Requester Level Invoice | 784158214SRCA |  |  |
| B | 846UPRD | 3.0 - 3040 | Upload of Request for Download of Posted Datasets |  | 784158214UPRD | 5-15 |
| B | 846RURD | 3.0 - 3040 | Response to Upload of Request for Download of Posted Datasets | 784158214RURD |  | 5-15 |
| B | 840CROF | 3.0 - 3040 | Offer Download | 784158214CROF |  | 5-15 |
| B | 843CRBR | 3.0 - 3040 | Bid Download | 784158214CRQR |  | 5-15 |
| B | 843CRAN | 3.0 - 3040 | Award Download | 784158214CRAN |  | 5-15 |
| B | 843CRWD | 3.0 - 3040 | Withdrawal Download | 784158214CRWD |  | 5-15 |
| B | 864CRNS | 3.1 – 3040 | Note/Special Instruction | 784158214CRNS |  | 5-15 |
| B | 864SWNT | 3.1 – 3040 | System Wide Notices | 784158214SWNT |  | 5-15 |
| B | 840OACY | 3.1 – 6052 | Operational Capacity | 784158214OACY |  | 5-15 |
| B | 840UNSC | 3.1 - 6022 | Unsubscribed Capacity | 784158214UNSC |  | 5-15 |

|  |  |
| --- | --- |
| Effective Date: |  |
|  |  |  |  |
| Company Name:  | Northern Natural Gas  | Company Name:  |  |
| Designated Representative |  | Designated Representative |  |
| By:  |  | By:  |  |
| Printed Name:  | Brandon Hajek | Printed Name:  |  |
| Title:  | Sr. Business Systems Analyst | Title:  |  |