

iVUE Engineering and Operations Product Suite

Prepared For

City of Greenfield
Greenfield, IN

Wednesday, November 27, 2019

National Information Solutions Cooperative®

Proposal Prices are valid for 60 days - Expires - Jan 26, 2020

All of our rates are subject
to change based on Board resolution.





This confidential Purchase Order is made with an Effective Date of Nov 27, 2019 by and between:

National Information Solutions Cooperative, Inc. ("NISC") Attn: General Counsel One Innovation Circle Lake Saint Louis, MO 63367 Notice Address: Same as above with copy to: LegalNotices@nisc.coop	City of Greenfield 10 South State Street Greenfield, IN 46140 Notice Address: Same as Above
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- 1. Definitions.** Definitions of terms that are used but not otherwise defined in this Purchase Order are set forth in the NISC Master Definitions, a copy of which is available at <https://community.nisc.coop/docs/DOC-36723>
- 2. Incorporation of NISC Master Terms and Conditions and/or Software and Service Agreement.** Member's purchase and use of the Software, Services and/or Equipment listed in the attached Schedule 1 is subject to the terms and conditions of the NISC Master Software and Services Terms and Conditions ("NISC Master T&Cs") or the NISC Software and Service Agreement ("NISC SSA"), whichever is currently in effect governing Member's use of all Software, Services and/or Equipment provided to Member by NISC, together with any applicable Additional Terms and Conditions. In the event that Member is not currently, but in the future becomes, subject to the NISC Master T&Cs, Member and NISC agree that Member's continued use of the Software, Services and/or Equipment listed in Schedule 1 shall be governed by the NISC Master T&Cs at such time as Member becomes subject to their terms. Definitions of terms that are used but not otherwise defined in this Purchase Order are set forth in the NISC Master T&Cs or the SSA.
- 3. Agreement to Purchase.** Member is placing an order for the Software, Services and/or Equipment listed in the attached Schedule 1, which is incorporated in, and made a part of, this Purchase Order. Member agrees to pay NISC all applicable Charges for such Software, Services and/or Equipment, including but not limited to all Monthly Recurring Fees, Implementation Fees, Third Party Fees, Other Service Fees, Equipment Charges, Costs and Travel Time. Schedule 2 attached to this Agreement, which is incorporated in and made a part of this Purchase Order, is the Statement of Work for the Software, Services and/or Equipment described in Schedule 1 and sets forth the Implementation Services NISC will provide and other related matters.
- 4. Binding Agreement.** This is an offer made by Member to NISC and subject to NISC's approval. This Purchase Order and the Agreement will be valid and binding upon the parties when signed by NISC.
- 5. E-Execution & Storage:** This Purchase Order may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. This Purchase Order may be executed and/or stored in electronic format only; an electronic, scanned, or facsimile signature shall be valid for all purposes; and the destruction in the ordinary course of business of any document containing a "wet" signature shall not invalidate this instrument.

National Information Solutions Cooperative, Inc.

Signature: _____

Name: _____

Title: _____

Date: _____

City of Greenfield

Signature: _____

Name: _____

Title: _____

Date: _____



E&O Cost Summary

Description	Extended Price	Monthly Recurring
Meter Data Management System (MDMS)	\$ 15,000	\$ 1,075
<i>E&O Solutions Total</i>	\$ 15,000	\$ 1,075

Ms. Jane Webb,

Thank you for your continued interest in NISC products and services. This proposal provides a best effort estimation of initial and recurring costs for the implementation and support of the above NISC applications. In order to provide the initial scope used for this proposal, both parties have engaged in mutually beneficial discussions in order to better define the project requirements and to manage risks.

The pricing presented above is based on a complete solution from NISC. Use or procurement of other systems, equipment or software is subject to NISC integration fees and/or hourly installation charges if needed.

By signing, you authorize the purchase of the above summarized solutions including all products and services as referenced throughout this proposal and all terms and conditions sited herein. Please return a signed copy of this authorization to NISC.

Sincerely,

Eric Holt

Sr. Solutions Specialist
 Phone: 636.755.2589
 Fax: 701.667.1936
 Email: eric.holt@nisc.coop



Pricing Estimate

The pricing below is an estimate based on the current number of Meters which will be adjusted quarterly. Both the Implementation Fee and Monthly Recurring Fees will be billed once the solution is considered live.

Price Estimate	Implementation Fee	Monthly Recurring Fee
MDMS Software and Support	\$ 15,000	\$ 1,075
Total	\$ 15,000	\$ 1,075

Monthly Recurring Rates

MDMS Monthly Recurring Rates

MDMS Monthly Recurring Rates are based on the total number of your active and inactive installed meters, including sub-meters. There currently is a minimum MDMS Monthly Recurring Fee of \$500. MDMS Monthly Recurring Rates currently are as follows:

MDMS Monthly Recurring Rates Tier Description ¹	Unit Price
1 - 10,000 Meters (Minimum of \$500 per Month)	\$ 0.060
10,001 - 25,000 Meters	\$ 0.050
25,001 - 35,000 Meters	\$ 0.030
35,001 - Plus Meters	\$ 0.020

¹MDMS includes hourly interval readings with one (1) channel of data for all meters. Up to 10% of the meters may have interval readings down to 15-minute intervals with up to four (4) channels of data. Any requirements for additional intervals and channels outlined herein is billable based on additional data collection requirements.

MDMS Cost Breakdown Analysis

Item	Description	Qty	Unit Price	Ext. Price	Monthly Maintenance
1	MDMS Professional Services	1	\$ 15,000	\$ 15,000	\$ -
2	Per Meter 1-10,000 (\$500 Monthly Minimum)	10,000	0.060		600
3	Per Meter 10,001 - 25,000	9,500	0.050		475
	Per Meter 25,001 - 35,000		0.030		
	Per Meter 35,001 - Plus		0.020		
MDMS Total				\$ 15,000	\$ 1,075



Project Approach

Statement of Work

The SOW is a guideline for the work needed to implement this solution. The SOW includes scope, project approach, a description and activities of the purchased products or services, deliverables, and assumptions.

Project Management

NISC manages projects with a blend of methods: Project Management Institute (PMI), and Agile & Adaptive Project Management. An NISC Project Manager will oversee and handle the implementation, and ensure NISC is meeting the timelines and work outlined. This Project Manager will be the focal point of your project and will be your day-to-day contact for this implementation. NISC also expects the Member to have a Project Manager who will manage and coordinate all activities and deliverables that are the responsibility of Member.

Meter Data Management System (MDMS)

Description & Activities

The NISC Meter Data Management System (MDMS) unlocks new efficiencies in utility operations by converting meter data into business intelligence. With user-configured analysis and reporting tools, MDMS enables users to proactively identify and isolate operational problems and respond quickly and intelligently to customer questions. MDMS is powered by the NISC cloud, delivering a compelling combination of system performance, risk mitigation, and cost savings. MDMS integrates with NISC iVUE® software solutions and leading data collection systems, among others.

The MDMS is the mechanism to support access and use of the AMI interval data in the iVUE enterprise. As part of the project the MDMS will be configured to allow data access and analysis of the AMI data for both consumers and utility personnel as well as support the billing process. One of the benefits of the MDMS is to leverage interval AMI data to support Time of Use (TOU) and other time-based rates. If time-based rates are in the project scope the MDMS will be configured and integrated into the iVUE CC&B billing process.

Project Scope

The implementation project plan is established and agreed upon during the project initiation call, or kick off call. SmartSheet is used to manage the project and deliver the project milestone dates. A typical MDMS project from initiation to Go Live date is approximately 4 months for existing NISC Members. Resource management is essential in executing a project successfully. NISC will work with the utility to identify the required project resources and project involvement.

Hardware Requirements

The MDMS is a cloud-based solution and only requires a browser to access the application. No additional hardware is required.

Training

NISC provides MDMS training through WebEx and NISC's Pathways website.



Specific Requirements (Regular Deployment)

As part of the MDMS deployment, the project will require and be configured to support:

- Integration to an NISC-supported advanced metering infrastructure (AMI) system to load and process interval and daily reads
 - NISC supported AMI to MDMS, vendor-specific non-standard interface(s)
 - MultiSpeak® interface(s) from customer billing to meter reading (CB-MR) to support billing and asset updates
- A local proxy server and SSL certificate connected to a DMZ port
- A high-speed internet connection with two fixed, public IP addresses

AMI/AMR System Dependencies

AMI/AMR Vendor(s)/Technologies to be implemented (if applicable):

Providers/Services to be implemented (Electric, Water, Gas, etc): Electric

NISC will provide the deliverables listed below for existing AMI/AMR systems as defined in this section. Additional meter data from AMI/AMR vendors, providers, or services not listed above are out of scope for this project

- AMI/AMR pilot programs not fully deployed by Go Live Date of this project, is still in an evaluation stage, are considered out of scope and will require an additional project scope analysis, project schedule, and purchase order
- For new AMI projects, MDMS projects are designed to be complete two (2) months after first meters are installed in the field
- SCADA integration is possible for an additional cost.

NISC Deliverables

- Setup and configuration of cloud environment
- Setup and configuration of local proxy server
- Setup and configuration of meter data imports and VEE groups, rules, and system thresholds
- Import of up to three (3) year of historical readings.
- Deployment of MDMS, including Dashboards and Analytics
- Integration between NISC MDMS, iVUE® CC&B, iVUE® OMS, SmartHub®, and NISC-supported AMI systems
- Web-based (virtual or recorded) training of personnel
- Web-based self-help tools
- Collection, storage, and management of units of measure required to support retail rates
 - One (1) Channel of hourly collection for single phase meters/residential meters
 - Four (4) Channels of 15-minute collection for poly-phase/commercial meters
 - Additional data may be collected and defined in Specific Requests and may require additional Monthly Recurring Fees
- Three (3) years of data storage
- Full product support and maintenance
- Hosting infrastructure and backup services
- Standard software upgrades and enhancements
- If included in the proposal, TOU implementation will include:
 - Train Member personnel
 - Assist with setup of TOU rates
 - Test process with Member
 - Assignment of Implementation Date after receipt of signed contract



- TOU requirements within the NISC MDMS
 - Minimum of hourly interval data on the meter
 - Thirty Minute and Fifteen Minute data is also supported
 - MDMS TOU uses readings that are stored as part of the MDMS product
 - Additional MDMS fees may apply if more AMI readings are required for the MDMS TOU project

Member Deliverables

- NISC-supported export of meter data, including interval data, register readings, event codes, and/or quality codes, from AMI system (or existing MDM system)

Services Not Included

- Bill print modifications for inclusion of interval data
- Configuration of time-based rates (if not included in the proposal or under Specific Requests)
- Custom integration inconsistent with NISC-supported, standards-based interfaces
- Custom programming
- Additional hardware
- On-site training, including NISC travel costs
- Collection, storage and management of units of measure not required to support retail rates except for a select subset of total meters (if not included in the proposal or under Specific Requests)
- 15-minute collection for residential meters (if not included in the proposal or under Specific Requests)
- Additional data storage beyond three (3) years (if not included in the proposal or under Specific Requests)
- Non-standard software upgrades and enhancements
- SCADA integration to MDMS (Available at an additional cost)

Specific Requests

The following items are available and may require additional fees as noted below

- Additional Training (Billed at NISC's Hourly Rate)
- Additional Data Storage beyond 3 years (Additional Monthly Recurring Fees apply)
- Additional AMI Data Storage and Management Requirements (Additional Monthly Recurring Fees apply)
 - 1 channels of 30 minute data for single phase/residential meters.
 - 4 channels of 15 minute data for poly-phase/commercial meters.

