



Water Quality Monitoring Grant Application

House File 2771 Funding

1. Applicant & Project Details

Applicant Name: _____ Organization: _____
Contact Name: _____ Title: _____
Address: _____ City/State/Zip: _____
Phone: _____ Email: _____

2. Financial Summary

Amount Requested: _____ Cash Match Committed: _____
In-kind Match Value: _____ Total Proposed Costs: _____

Signature/Title: _____ Date: _____

3. Required Application Accompaniments

The following documentation must accompany this signed application form:

- **Water Body & Location Data:** Identification of target surface water bodies, reaches, or sub-watersheds.
- **Equipment & Monitoring Specifications:** Technical details of continuous loggers, sensors, telemetry units, and parameters to be tested (e.g., Nitrates/Nitrites, Phosphorus, Turbidity, DO).
- **Sensor Location Map:** Aerial map identifying precise GPS coordinates for monitoring stations, telemetry hubs, and point/non-point source runoff influences.
- **Data Management Profile:** Workflow schematic detailing data transmission, QA/QC protocols, sensor calibration schedules, and public availability/integration framework.

4. Project Narrative Guidelines (max 2 pages typed)

Please attach a detailed narrative addressing the following structured elements:

1. **Project Summary & Objectives:** Outline the purpose, scope, physical infrastructure, deployment plan, and target water resource(s) for each monitoring location.
2. **Alignment with Purpose:** Explain how the continuous monitoring project meets the statutory intent of HF 2771 to provide high-frequency water quality monitoring in Iowa.
3. **Detail how the deployment achieves:**
 - Cost-effective return on investment for Iowa citizens.
 - Strategic targeting of high-priority Nutrient Reduction Strategy sub-watersheds or public drinking water source protection areas.
 - Direct integration into public networks
 - Long-term hardware maintenance, sensor calibration, and operational sustainability.

5. Project Status and Milestone Schedule

Project Task / Activity	Start Date	End Date	Group / Person Responsible
Site Location Assessment & Land Access Authorization			
Monitoring Hardware & Telemetry Procurement			
Sensor Calibration & Field Installation			
Telemetry Integration & Live Feed Testing			
Routine Maintenance & Field Quality Control Checks			

Project Task / Activity	Start Date	End Date	Group / Person Responsible
Final Project Billing & Data Integration Report			
Other (Specify):			
Other (Specify):			

6. Grant Information & Requirements

Program Authority & Funding: Enacted under Iowa HF 2771, providing a one-time total appropriation of \$300,000.

Review & Selection: Applications will be evaluated by a multi-agency committee. Awards will follow ranked order scoring.

7. Proposal Scoring Criteria (100 points total)

1. Technical Strategy (25 pts)

Sensor technology choice, automated sub-hourly logging capacity, targeted water quality parameters, and QA/QC calibration protocols.

2. Geographic Priority (20 pts)

Strategic location targeting statewide nutrient load monitoring locations/sub-watersheds, or public drinking water source protection areas.

3. Data Integration (20 pts)

Feasibility of live/batch data streaming to web platforms or state databases, public data accessibility, and clear actionability for local conservation decisions.

4. Financial Match (15 pts)

Inclusion of non-state cash or in-kind direct match for sensor purchase (\$1 match for every \$1 state grant requested).

5. Milestone Timeline (10 pts)

Practicality and timeliness of installation, testing, and operational timeline prior to grant expiration.

6. Sustainability (10 pts)

Demonstrated plan and ongoing local support to maintain, recalibrate, and operate hardware beyond the state grant period.