



June 6, 2025

To: All Potential Respondents  
From: Michael Bradbury – Statewide Procurement Officer  
Subject: 005-RFP-1745-2025

### Addendum One

**Please amend the subject RFP to include the following:**

#### 1. Questions and Answers

- 1.1. Question: Are the transmitters for KDIN & KIIN required or preferred to be air-cooled or liquid-cooled transmitters?

Answer: We are open to either solution and are requiring vendors to submit proposals for both solutions. Vendors may include their reasonings on their preference(s).

- 1.2. Question: Section 4.10.7 states "4-port motorized waveguide switch and test load". For this power level can a coaxial motorized 4-port switch and air load be supplied?

Answer: Iowa PBS may accept an equivalent 4-port motorized coaxial switch and air-cooled dummy load. Please include that change as part of paragraph 3.3.3.6 under 'Options to be quoted'.

- 1.3. Question: Only require vendor to "assist" station personnel in removing existing transmitter. Station will dispose of all equipment? How will station stay on the air while removing existing transmitter at each site?

Answer: We are asking for assistance in moving existing gear out of the way (as necessary) for the placement of the new transmitter and ancillary equipment.

Each Iowa PBS station will dispose of its old and retiring equipment. The vendor is responsible to dispose of waste and trash from the delivery and packaging of the new hardware.

Each station will remain on-air by locating new equipment in a manner that does not interfere with current operations, or the present transmitters will be re-configured so it is out of the way of the new installation. This will be determined once we know the details of the new gear. We do expect some down-time as the new RF switch is installed and final RF connections are made.

- 1.4. Question: Do both transmitters only require a single exciter/driver?

Answer: Yes, all transmitters require redundant exciters per paragraph 1.5 'Background'.

- 1.5. Question: Section 4.3 & Section 3.3.4 Transmitter Power Output Levels. Please clarify what Transmitter Output level is required for each site KDIN & KIIN?

Answer: The power requirements for each site are shown in 4.3 (Transmitter power output (ATSC1)), 2.60kW for KDIN and 5.04kW for KIIN. Those are the current TPO's (post-filter) required to achieve the licensed ERP. All things being equal, this is where we will operate the new transmitters. Paragraph 4.3 also states a 'Transmitter minimum output (future needs) TPO requirement. This is the minimum acceptable transmitter size requirement for the RFP. The goal here is to future proof the purchase for when we add a new antenna and V-pol to each station. The power request in 3.3.4 is asking vendors to quote an alternate transmitter size (minimum output). This is for Iowa PBS to be able to choose a transmitter that better matches our current needs, and without expected/required headroom for future needs. We are asking for this alternate choice in case we do not have funds for the larger transmitter purchases.

- 1.6. Question: At site survey, requirement is now to quote air-cooled & liquid-cooled transmitters for each site. 4.3 states two power levels for each site and 3.3.4 states another alternative power level.

Answer: This again, will help us choose a product that can fit our needs and funding limitations (short term and long term).

- 1.7. Question: Given that high-efficiency solid-state transmitters operate most effectively at full rated power, it makes sense to use the alternative power levels with minimal headroom.

Answer: Understood. But for long-term expectations, we are wanting the 'reserve power' when we add V-pol to our operations.

- 1.8. Question: Could you please confirm that we should proceed with quoting 3.2 kW for KDIN and 6.5 kW for KIIN for both the air-cooled and liquid-cooled transmitter options?

Answer: Yes. Please quote the two different power levels for each site, each size for air-cooled and water-cooled transmitters.

- 1.9. Question: Will station personnel remove the existing FM transmitter prior to supplier installing the TV transmitter system?

Answer: Yes. If that plan is executed, Iowa PBS expects to have the FM transmitter re-located prior to any installer and equipment being on-site. If the TV transmitter installer has a forklift on-site, we may ask for assistance moving it to the garage area.

- 1.10. Question: Sections 4.1.5 & 4.1.6 removal of existing transmitters. Is the bidder responsible for disposal of transmitter equipment removed at KDIN & KIIN?

Answer: No. Iowa PBS will dispose of the existing equipment. We will ask for help moving it 'out of the way' for new equipment installation, but Iowa PBS will ultimately be responsible for disposing of that gear. The winning vendor will be responsible to remove their waste and trash generated from the shipping and installation of all new equipment.

## Site Visit Notes

Tuesday, June 3<sup>rd</sup>, 2025

Site Visits – KDIN @ 10am and KIIN @ 2:00pm.

### KDIN:

- Correction to Site Address: 199 NE 134<sup>th</sup> Ave., Alleman, IA. 50007
- Power Level – 2.60kW
- Size of AC Unit / Total Tonnage of Air
  - HVAC/Heating Unit size
    - Primary is 2-Stage 180,000 BTU (15-ton) No heat
    - Backup Single-stage 90,000 BTU (7.5-ton) No heat
- Gas Barrier is not necessary. The Scope of the project will change to read ‘...from the input of the exciters, to the straight 3-1/8” transmission line that exits the Transmitter Room.’
  - Transmitter run to the elbow just before leaving the room
- Approximate distance from replacement transmitter to heat new exchanger.
  - Approximately 50’
- Everything needs to stay on air during transition (minimal downtime)
- Drop down to two PAs?
  - Possibly drop to one PA. The exact determination will be worked-out with the winning vendor.
- Keep old units as back-up
  - As part of the purchase/installation, we are keeping the existing transmitter and plumbing that into the new 4-port switch
- Liquid cooled or air cooled?
  - Please quote both options.
- AC is circa 2004 and would need to be updated.
  - Yes. We are aware of that and will take care of that (separate from this RFP).
- Single or Dual exciters
  - Dual exciters
- Switch Controller
  - Yes, the current switch is to be replaced. Switch controller is to be included with the purchase.
- High Band Amplifier?
  - The specifications should all read ‘High-band VHF, Channels 7-13’.
- Control Cabinet
  - A separate Control Cabinet is not required as long as a complete/fully functional system is included. Most modern transmitters incorporate the controllers/exciters/drivers within the power amplifier cabinet.

Google Drive Site Photos:

[https://drive.google.com/drive/folders/14-XITNRMcoMVG2NVBk1D7PUgjGfWqINv?usp=drive\\_link](https://drive.google.com/drive/folders/14-XITNRMcoMVG2NVBk1D7PUgjGfWqINv?usp=drive_link)

## KIIN

- Use existing Burk ARCPlus Touch equipment
  - Yes, we will continue to use and interface the new transmitters to our existing Burk ARCPlus Touch hardware on both KDIN and KIIN.
- Size of AC Unit /Total Tonnage of Air
  - HVAC/Heating Unit Size
    - Two Stage 300,000 BTU 25 Tons (No heat)
  -
- Cabinet Removal – Driver Cabinet must stay – Will work with radio station on removal of old HTs.
  - The driver cabinet and one PA cabinet must remain in operation during the installation of a new transmitter. We will work with the site tenant to re-allocate space.
- Suppressor?
  - A new surge suppressor is in the bid spec and to be included with the RFP purchase.
- Replace patch from switch?
  - Yes, the RF patch panel is to be removed and replaced with a new 4-port motorized coaxial switch.
- Load – Dummy Load / Switch controllers
  - Dummy load can be relocated.
  - Yes, the existing dummy load will be relocated for the use of the FM tenant. An RF switch controller is to be a part of the purchase with the new RF switch.
- Heat exchanger location – Between the generator back-up entrance and the current heat exchanger entrance.
  - Iowa PBS to provide concrete mount structure?
    - No, the winning vendor will be required to provide piers/pad for the heat exchanger.
  - Is there a preference between a pad or pier?
    - Yes, a pad with piers that go below the frost line (42”) is preferred.
  - Is proposal to include ice bridge?
    - Yes, the proposal shall include the cost and installation of ice bridge that protects the heat exchanger, cooling hoses along with control and AC power circuits.
- Removal of old radio equipment?
  - TBD, as we have not had final discussions with the FM tenant. However, if all goes to plan, we would want the HT transmitter forklifted to the on-site garage.
- Proposal to include electrician pricing – Yes
  - Yes, this is to be included as an option.
- Quote both Air and Liquid cooled.
  - Yes, quote must include both air and liquid options.
- Gas Barrier information.
  - Gas Barrier is not necessary at KIIN. The Scope of the project will change to read ‘...from the input of the redundant exciters, to input of the 50-75 ohm RF transformer.’

Google Drive Site Photos:

[https://drive.google.com/drive/folders/1rTe9ktRu9E66RyVAANNacmHMllbgxO05?usp=drive\\_link](https://drive.google.com/drive/folders/1rTe9ktRu9E66RyVAANNacmHMllbgxO05?usp=drive_link)

**END OF ADDENDUM ONE**