

**Iowa PBS
Infrastructure Appropriations Status Report
January 15, 2021**

Project: Replacement of equipment, and for tower and facility maintenance

Description:

Iowa PBS has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at Iowa PBS' network's studios and transmission facilities.

The plan for the funds received in FY 2021 includes, but is not limited to:

- Parking Lot Repairs (6450 Corporate Drive)
- Carpeting at 6535 Corporate Drive
- Studio Generator Upgrade
- Building Front Facelift (6450 Corporate Drive)
- Building Restroom Renovation (6450 Corporate Drive)
- Caulking Building (6450 Corporate Drive)
- KSIN Guy Wire Fence
- KSIN Security Fence
- KSIN Driveway Repair
- (3) GateAir Diamond Power Supplies
- Spectracom 10MHz GPS Reference for KQIN
- Spectralogic LTO8 Conversion
- Replacement Broadcast Encoders
- KBIN Tower Painting

Progress of Work Completed: 0% has been completed as of June 30, 2020. 0% of the funds have been spent or encumbered as of December 31, 2020.

Total Estimated Cost of Project: \$1,000,000

List of all Revenue Sources to Fund the Project:

State Funds: 8.57C Technology Reinvestment Fund

Amount of Funds Expended: \$0 as of June 30, 2020

Amount of Funds Obligated: No funds were obligated as of December 31, 2020.

Estimated Completion Date of Project: June 30, 2023

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The plan for the funds received in FY 2020 includes, but is not limited to:

- Transmitter/translator remote control system replacement
- Media Asset Management System (Phase 1)
- Replace test equipment at all 9 transmitter sites
- Transmitter Monitoring Receivers
- KSIN A/C Replacement
- HVAC System for KRIN Transmitter Building
- KTIN Security Fence

Progress of Work Completed: 0% has been completed as of June 30, 2020. 0% of the funds have been spent or encumbered as of December 31, 2020.

Total Estimated Cost of Project: \$500,000

List of all Revenue Sources to Fund the Project:

State Funds: 8.57C Technology Reinvestment Fund

Amount of Funds Expended: \$0 as of June 30, 2020

Amount of Funds Obligated: No funds were obligated as of December 31, 2020.

Estimated Completion Date of Project: June 30, 2022

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Iowa PBS has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at Iowa PBS' network's studios and transmission facilities.

The plan for the funds received in FY 2019 includes, but is not limited to:

- NetVX duplex studio to transmitter link system replacement

Progress of Work Completed: 0% has been completed as of June 30, 2020. 0% of the funds have been spent or encumbered as of December 31, 2020. As of December 31, 2020, Iowa PBS is working with the Iowa Department of Administrative Services to issue an RFP for this project.

Total Estimated Cost of Project: \$500,000

List of all Revenue Sources to Fund the Project:

State Funds: 8.57C Technology Reinvestment Fund

Amount of Funds Expended: \$0 as of June 30, 2020

Amount of Funds Obligated: No funds were obligated as of December 31, 2020.

Estimated Completion Date of Project: June 30, 2022

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Project: Replacement of equipment, and for tower and facility maintenance

Description:

Iowa PBS has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at Iowa PBS' network's studios and transmission facilities.

The plan for the funds received in FY 2018 includes, but is not limited to:

- Master Control Room Automation Replacement

Progress of Work Completed: 0% has been completed as of June 30, 2020. 71.91% of the funds have been spent or encumbered as of December 31, 2020.

Total Estimated Cost of Project: \$260,000

List of all Revenue Sources to Fund the Project:

State Funds: 8.57C Technology Reinvestment Fund

Amount of Funds Expended: \$0 as of June 30, 2020

Amount of Funds Obligated: \$170,504 was spent by December 31, 2020, and \$16,460 was encumbered as of December 31, 2020.

Estimated Completion Date of Project: June 30, 2021

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Project: Replacement of equipment, and for tower and facility maintenance

Description:

Iowa PBS has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at Iowa PBS' network's studios and transmission facilities.

The plans for the funds received in FY 2017 includes, but is not limited to:

- Emergency repairs to KRIN tower due to transmission line burnout
- Replacement of data servers
- Omneon/Harmonic on air video server upgrade
- Omneon Mediadirectors and Mediastores
- Closed captioning encoder with modem
- Nevion processor/remultiplexer and software
- IntelliWeather system
- Sony XD-Cam disc recorders
- Cannon semi-servo, wide-angle portable HDTV camera lens
- ATSC receiver/decoders

Progress of Work Completed: 100.00% has been completed as of June 30, 2020.

Total Estimated Cost of Project: \$1,017,000

List of all Revenue Sources to Fund the Project:

State Funds: 8.57C Technology Reinvestment Fund

Amount of Funds Expended: \$1,017,000 as of June 30, 2020

Amount of Funds Obligated: All funds expended as of June 30, 2020.

Estimated Completion Date of Project: June 30, 2020

**Iowa PBS
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Project: Replacement of Inductive Output Tubes (IOTs)

Description:

Six of Iowa PBS' transmitter sites use primary transmitters that are based on high-powered transmitting tubes called Inductive Output Tubes or IOTs. At two of the sites we use transmitters that require two of these tubes and at the other four sites we use single tubes, for a total of 8 tubes in the system. With the digital television conversion, all of the tubes were replaced with new tubes. Tubes have a life expectancy of approximately 40,000 hours in continuous use. The devices have been in use for three to four years depending upon the installation at each site. The tubes will start failing once they reach 40,000 hours of use and must be replaced.

Progress of Work Completed:

One Inductive Output Tube was purchased during FY 2017 and installed at KYIN, our Mason City transmitter. Two additional Inductive Output Tubes were purchased during FY 2019 and installed at KSIN, our Sioux City transmitter, and KTIN, our Fort Dodge transmitter. The final two Inductive Output Tubes have been received. One has been installed in at KRIN, our Waterloo transmitter. One will be installed at KHIN, our Red Oak transmitter. The last one will be installed at KSIN, our Sioux City transmitter. It should be noted that the Sioux City transmitter operates with two Inductive Output Tubes.

Total Estimated Cost of Project: \$320,000

List of all Revenue Sources to Fund the Project:

State Funds: 8.57C Technology Reinvestment Fund

Amount of Funds Expended: \$320,000 as of June 30, 2020.

Amount of Funds Obligated: All funds expended as of June 30, 2020.

Estimated Completion Date of Project: June 30, 2020