

**Iowa Public Television
Infrastructure Appropriations Status Report
January 15, 2016**

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

Description:

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

The plan for the funds received in FY 2015 includes:

- Replacement of the Avid and Final Cut editing systems
- Linear acoustic equipment as required by the FCC
- Upgrade video server with ChannelPort graphics and branding system for HD and SD services
- Replacement of current ATSC encoders
- Paint and install new lighting system at Fort Madison translator
- Replace receiver at Keokuk translator
- Video clip player/server for mobile unit
- Replace current ATSC encoders
- Replace ImageStore

Progress of Work Completed: 22.6 % completed as of June 30, 2015

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

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: \$226,142 as of June 30, 2015

Amount of Funds Obligated: \$641,125 as of December 15, 2015

Estimated Completion Date of Project: June 30, 2016

Project: Replacement of equipment and for tower and facility maintenance

Description:

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

The plan for the funds received in FY 2014 includes:

- Replacement of the Omneon Media Server which is the primary video server for all of IPTV's content
- Replacement of the LTO tape drives in our primary media archive
- Replace defective lighting and paint Rock Rapids translator
- Replace the roof at the KBIN (Council Bluffs) transmitter site
- Paint the tower at KDIN (Des Moines).
- Replace three IT-based servers in the broadcast network systems
- Replace all of the receivers used at the transmitter sites
- Installation of security systems at all of the transmitter sites
- Replace character generators for the studio and mobile unit
- Upgrade to the Avid master control automation system

Progress of Work Completed: 97.5% completed as of June 30, 2015

Total Estimated Cost of Project: \$960,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: \$936,886 as of June 30, 2015

Amount of Funds Obligated: \$23,114 as of December 15, 2015

Estimated Completion Date of Project: June 30, 2016

Project: Replacement of Inductive Output Tubes (IOTs)

Description:

Six of IPTV's 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:

None of the tubes have failed at this time

Total Estimated Cost of Project: \$320,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: None

Amount of Funds Obligated: None

Estimated Completion Date of Project: June 30, 2016