

## Arden Hills Equipment Status

System Last Updated: October 2019

Approximate Cost: \$84,000

Integration: CTV North Suburbs (Now NineNorth)

### **System Overview Highlights**

- 2019 production system was updated to HD.
- Production System does not need to be updated in 2021.
- Zoom computer was added in 2020. Teleconferencing software updates may occur in the next year.
- Projector was replaced with a new 4k Laser based one in 2020.

### **System Overview Details**

The production system, including switcher, cameras and terminal gear are all new in 2019 and capable of HD resolutions. Expected lifespan for the majority of the equipment is 10-15 years. Replacements should start to be considered around 2032. The control computer should be refreshed in 5-7 years. Control computer should be updated in 2025.

With the onset of the COVID-19 pandemic, a “Zoom” computer was added to the system in 2020 to facilitate remote and hybrid meetings. This computer will may need to be updated as teleconferencing software and technology evolves.

The audio system uses speakers, amps and microphones present prior to the 2019 update, but due to the nature of those devices, it is expected that they will continue to function well into the future. In 2019 a Digital Signal Processor (DSP) replaced the analog audio board to provide for automatic mixing and sound reinforcement. Expected lifespan - 10-15 years. Replacement should be considered around 2032.

The presentation system was substantially replaced, including new wireless contribution capabilities. While new in 2019 the Atlona presentation system is having some issues. The wireless contribution/switch device in the presentation cabinet has a tendency to lock up. Also, the Velocity control system has been intermittent. We will be performing firmware updates and will track the results.

The dais monitor are performing well. There are two 65” monitors in the room, one high on the wall opposite the dais and the other on a rolling stand. Both are in good condition and seem to operate well. The projector was replaced with a new 4K laser based one in 2020. Expected Lifespan - 7-10 years

## Recommendations

### 1. Clean Out Control Room

*Description:* Clean out the control room of the remaining old equipment and other items that are no longer needed.

*Why:* General appearance and elimination of unused and unneeded items

*Cost:* \$400

*Timeline:* < 1 week

*Priority:* Medium

*Next Steps:* Assign city staff or authorize NineNorth to do the work.

### 2. Presentation System Update

*Description:* Pending results of firmware updates, consider changing some components of the presentation system.

*Why:* To resolve issues with touch panels and switcher in lectern

*Cost:* \$500 - \$2,800

*Timeline:* 4-6 weeks

*Priority:* Medium

*Next Steps:* Firmware updates – Then assess current and future needs with city staff

### 3. Audio-Only Recordings

*Description:* Adding software to the control computer to allow for backup audio-only recordings of meetings.

*Why:* On occasion the beginning of a meeting is not unmuted for the public and subsequently not recorded. This backup would allow us to fix the recordings for the archive and playback.

*Cost:* \$200

*Timeline:* < 1 week

*Priority:* High

*Next Steps:* Authorize NineNorth