

OFFICE OF THE SUPERINTENDENT

Millburn Public Schools

INFORMATION ITEM

March 21, 2010

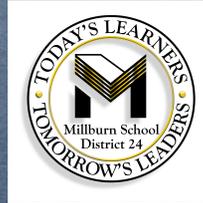
To: Board of Education Members

From: Ellen E. Mauer, PhD

Subject: Broadcasting BOE Meetings

The subject of broadcasting BOE meetings has come up and we were asked to address the possibilities. Joanne has created a powerpoint outlining several possibilities and the cost implications for each. You will notice that each has their own requirements regarding equipment purchase as well as personnel costs. We can certainly do whatever the BOE feels is best for the district.

District 24 School Board Meetings



Internet Streaming
Public TV
Audio & Video
Audio

Who is using Public TV?

Of the 42 public school websites previewed -
the following are using local cable TV channel:

Hawthorne 73 - Posts copies of videos as well

District 128 - Libertyville and Vernon Hills
High Schools

Lake Bluff District 65

Lake Forest High School District 115

Who is Streaming?

Of the 42 public school websites previewed -
the following are streaming:

- Grayslake 46 - Ustream
- Lake Zurich 95 - Ustream

First Considerations

- Location
- Furniture
- Setup/Teardown
- Equipment
- Storage
- Staffing

Internet Streaming

- What is streaming?
 - "... multimedia that is continuously received by, and normally displayed to, the end-user while it is being delivered by the provider."

(Source: Wikipedia.org)

Basically, this means you click a link and begin watching the video or listening to the audio while the rest of the content is "streaming" or being delivered in the background. You don't have to wait for the entire file to download before you start watching or listening.

Audio & Video Recording With Internet Streaming

- The camera feeds to the capture card, would remain one-directional, and would only capture board members
- Audio from 6 Microphones would get fed into mixer then to the capture card
- Capture card will transfer the video to the computer which will do the streaming
- Video will be linked on our website and viewable on UStream

Estimated Costs

□ Equipment/Costs

□ Mixer for microphones = \$480

□ Microphone x 6 = \$241 = \$1446

□ Capture Card x 1 = \$200

□ Video Camera x 1 = \$1500

□ Computer x 1 for Streaming = \$1600

□ Cables = \$150

Equipment Total:

\$5376

□ Staffing

□ Set up/record/tear down/prepare content for archiving and public checkout: 12 hrs. x \$12 x 12 mos. = \$1,728

Streaming Setup



Public TV

- Comcast cable channel 17
 - Services most communities except for Lindenhurst/Lake villa
 - Accept VHS Copies of meetings
 - Placed on programming schedule and would only air once per week during the day
- Lindenhurst/Lake villa use local source for public broadcasting
 - Not available to Wadsworth viewers

Audio & Video Recording

Without streaming

- Audio from 6 Microphones would get fed into mixer, then fed into camera
- The camera would remain one-directional and would only capture board members
- The recording can then be prepared for public checkout through the LRC's and/or posted on our website for a period of time

Audio & Video Recording

- Equipment/Costs

- Mixer for microphones = \$480

- Microphone x 6 = \$241 = \$1446

- SD Cards = \$100

- Video Camera = \$1500

- Cables = \$150

- Staffing

- Set up/record/tear down/prepare content for archiving and public checkout: 12 hrs. x \$12 x 12 mos. = \$1,728

Equipment Total:

\$3676

Video Recording Setup



Audio Recording

- Audio from 6 microphones will be fed into the mixer
- Mixer will connect to a digital audio recorder which will store audio on SD cards
- The recording can then be prepared for public checkout through the LRC's and/or posted on our website for a period of time

Audio Recording

□ Equipment Costs

□ Mixer for Microphones = \$480

□ Microphone x 6 = \$241 = \$1446

□ Portable Digital Recorder x 1 = \$350

□ SD Cards = \$100

□ Cables = \$150

Equipment Total:

\$2528

□ Staffing Costs

□ Set up/record/tear down/prepare content for archiving
and public checkout: 12 hrs. x \$12 x 12 mos. = \$1,728

Audio Recording Setup

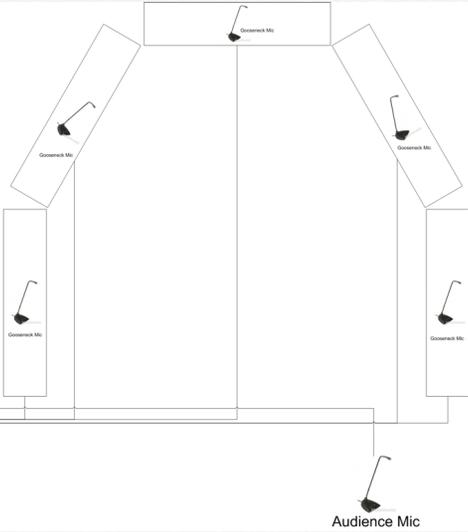
Audio Recording



Audio Recorder



Mixing Board



Estimated Cost Summary

Note: These estimates do not include furniture or expenses needed for permanent board meeting room

Internet Streaming - \$7,104

Public TV - \$5,404

Audio & Video - \$5,404

Audio - \$4,256