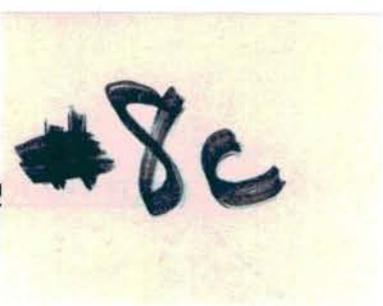


**WOODBURY COUNTY BOARD OF SUPERVISORS AGENDA ITEM(S) RE**



Date: March 11, 2016

Weekly Agenda Date: March 15, 2016

DEPARTMENT HEAD / CITIZEN: <u>Supervisor Jeremy Taylor</u>		
SUBJECT: <b>Clarifications for audio-visual equipment update</b>		
<b>ACTION REQUIRED:</b>		
Approve Ordinance <input type="checkbox"/>	Approve Resolution <input type="checkbox"/>	Approve Motion <input type="checkbox"/>
<input type="checkbox"/>		
Give Direction <input type="checkbox"/>	Other: Informational <input checked="" type="checkbox"/>	Attachments <input type="checkbox"/>

**WORDING FOR AGENDA ITEM:** Clarifications for audio-visual equipment update

**EXECUTIVE SUMMARY:** The attached proposal is informational and contains quotes to accomplish the following purposes:

- Improve the audio quality for those listening at home
- Make it clear for supervisors who call in to hear and to have their words recorded without having to involve KES on a per-call basis
- Permanently affix speakers in the downstairs area
- Add a directional microphone at the podium for those who would be presenting next to a main speaker
- Replace the television in the back permanently mounted (prior TV could be repurposed in Board Administration)
- Add a microphone for Budget Analyst
- Make the system portable with boxes to be able to take supervisor meetings "on the road."

**BACKGROUND:** Last week's discussion contained details of a proposal when we were in the midst of identifying ways to improve the experience of our citizens who desire to hear Board business, whether here or at home. The attached proposal from Brian Rise at KES is "clean" without markups. In

discussions with Brian, clarification was very helpful. The goal is not to “replace” the system downstairs but to improve audio quality.

Several adjustments were made last week and Brian and I both thought the audio quality was much better. Talk of replacing the system was replacement of the make-shift audio call in. Other improvements will mean that two people at the podium will have audio clarity, that our Budget Analyst will be fully audio, that permanence will be given to the speakers/TV, and that portability will be achieved.

**FINANCIAL IMPACT:** See attached memo

**RECOMMENDATION:** Information only to be brought back next week.

**ACTION REQUIRED:** Information only to be brought back next week.



2105 Clark St - Sioux City, IA 51104 - (712) 293-1494

Quote: Woodbury County Board of Supervisors - AV Upgrades

Date: 03/11/16

Telephone:

Email: jmalloy@sioux-city.org / jeremytaylor@cableone.net

Contact: John Malloy / Jeremy Taylor

**Quote Description**

**Upgrades to Board of Supervisors AV System - Basement**

Upgrades added to existing rack. Same rack will continue to be available for remote meetings  
 Install a VOIP Hybrid for phone in capability, DSP system from Rane to support the phone in  
 DSP will replace existing 2 Shure AutoMixers  
 Add 2 mics - 1 for Finance (Mr Butler), 1 Boundary Microphone for recording pickup at podium  
 Install 2 sets of 2 Point Source Array speakers. 1 - Mounted to front of columns for audience,  
 2- Mounted to rear of columns for board members (Only phone caller is played through these)  
 Install a 65" wall mounted display behind the board table - location needs confirmed  
 Reconfigure rack for HDMI laptop input and HDMI display output

\*\*\*A deposit of 50% the total amount is required before equipment will be ordered\*\*\*

Qty	Description	Price Ea	Total
<b>Audio Processor &amp; VOIP Hybrid for remote phone in / improved recordings</b>			
1	Rane Hal1x Digital Signal Processor	\$3,199.00	\$3,199.00
1	Rane EXP5x Halogen Expander (12 Input)	\$1,279.00	\$1,279.00
2	Rane EXP7X (AEC - Acoustic Echo Cancellation - 8 Channels)	\$1,449.00	\$2,898.00
1	Rane DR6 Touch Screen Remote	\$519.00	\$519.00
1	Rane DS1 Desktop Stand Accessory for DR6	\$75.00	\$75.00
1	JK Audio AutoHybrid IP2 (Acts as VOIP interface - SIP)	\$975.00	\$975.00
1	JK Audio RA2 Rack Mount Accessory	\$62.00	\$62.00
<b>Add Desktop Mic for Mr Butler, Boundary Mic for Podium</b>			
1	Shure MX412D/S 12" Gooseneck Mic with Desktop Base	\$280.00	\$280.00
1	Shure MX393/S Boundary Microphone (Pickup podium for recording only)	\$240.00	\$240.00
<b>Replace portable PA with permanent installed</b>			
2	Community ENT206W Point Source Array Speaker - Mounted to columns	\$517.00	\$1,034.00
2	Community ENT206W Point Source Array Speaker - Mounted towards board	\$517.00	\$1,034.00
1	Ashly NX4002 70V 400W Amplifier	\$1,115.00	\$1,115.00
<b>Add Wall Mounted 65" Behind Board Table</b>			
1	Sharp LC-65UB30U 65" LED TV	\$1,599.00	\$1,599.00
1	Chief LSM1U Wall Mount	\$169.60	\$169.60
<b>New Rack Panel</b>			
1	Custom 2U I/O Rack Panel	\$292.10	\$292.10

continued on next page

<b>Update laptop recording / display to HDMI</b>		
1 C2G 40471 1:2 HDMI Splitter	\$109.99	\$109.99
1 C2G 40714 HDMI to VGA + Audio Converter	\$67.99	\$67.99
2 C2G 40303 1M HDMI Cable	\$9.99	\$19.98
1 Cabling - Speaker, Mic, Misc Interconnects	\$95.00	\$95.00
1 Labor - Installation (Speakers, Display)	\$708.00	\$708.00
1 DSP Programming	\$750.00	\$750.00
<b>Subtotal</b>		<b>\$16,521.66</b>
<b>Tax (7%) Please let us know if tax exempt</b>		<b>\$1,156.52</b>
<b>Total</b>		<b>\$17,678.18</b>

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