Kilaga Springs New Projection System April 2017

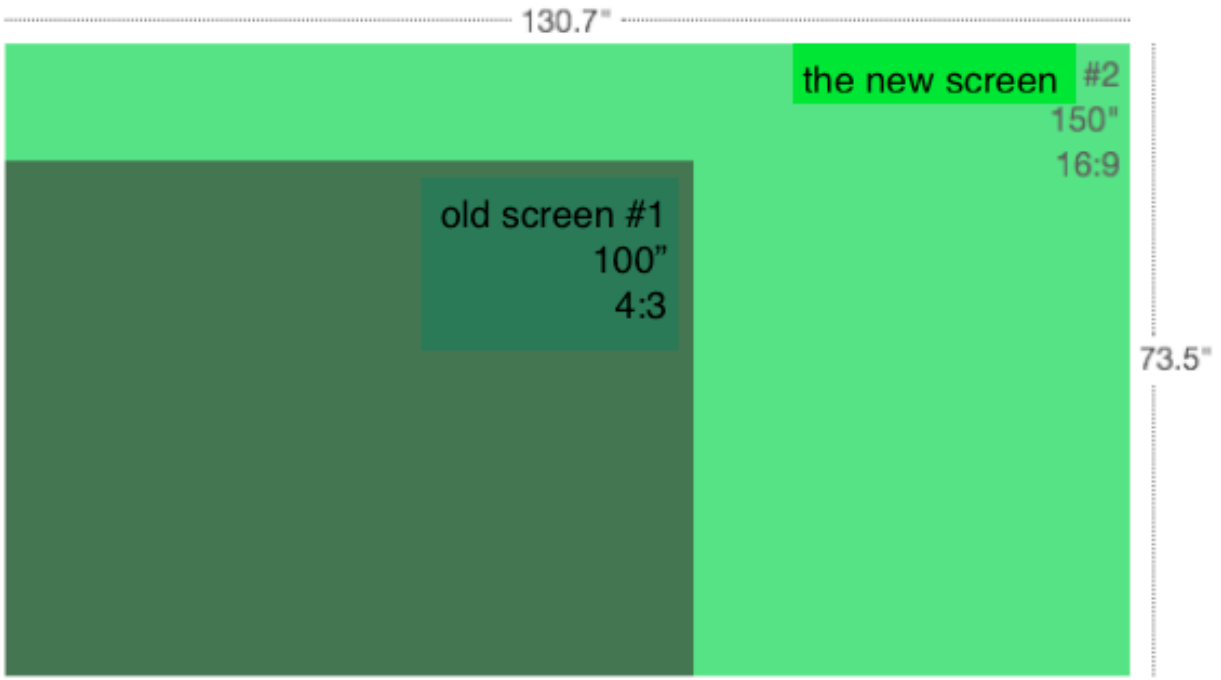
If you have been at a meeting recently in the Kilaga Springs Presentation Hall, you have noticed that there is a new projection system in the room.

This new system is a great improvement over what has been there in the past years.

Obviously, the first thing you see is the new LARGE screen.

The physical comparison of the old and new screens are:

Screen Size Comparison	Old Screen 100 inch Diagonal 4x3 Aspect Ratio	New Screen 150 inch Diagonal 16x9 Aspect Ratio
Actual Aspect Ratios	33.33% smaller diagonal 50.07% smaller area	50.00% larger diagonal 100.30% larger area
As a 16:9 Display	38.81% smaller diagonal 62.56% smaller area	63.42% larger diagonal 167.06% larger area



Key Differences

Total Area:	#2 has 100.3% more screen area (4814 square inches)
Width:	#2 is 50.7 inches longer (63.4%)
Height:	#2 is 13.5 inches taller (22.6%)
Diagonal:	#2 is 50 inches longer diagonally (50%)

Some definitions:

Display Size: monitors, TV's and projection screens, are measured diagonally across the visible / active display area.

Aspect Ratio: is the ratio of the height and width of a display.
4x3 is called SD (Standard Definition), which is an outdated format, with a low quality image.

16x9 is called HD (High Definition) - which is the most popular image format, with a high quality image.

When the display has a 1920x1080 native pixel resolution, (like our new projector) then it may be referred to as full HD.

Pixels: are the little electronic "dots" that make up the image you see.

Lumens: is a measurement of the brightness of a light source used in a projector.

Plus, when compared to the old screen, the material that the new screen is made of transmits twice as much light through it, making the image you see MUCH brighter.

The second part of this visual equation, is the new projector.

Comparing the old and new projectors:

The new projector has twice the video resolution (1920x1080 pixels vs. 1280x720 pixels).
The new projector has a 2.5 times brighter light source - (5500 Lumens vs. 2200 Lumens).

The new projector uses the latest technology in light sources for projectors.

The new projector has a Laser light source that will last around 20,000 hours of use, and has no degradation in it's brightness or color purity throughout it's life.

VS. the old projector's lamp based light source that lasts about 1500 hours before needing to be replaced, and it will lose brightness, sharpness and color as the bulb ages (dims).

The new projector uses the same high end digital imaging technology as the projectors used in modern Digital HD theater systems, like what is used in the CineMark / Century and Studio Grill Theater chains.

Our new projector and these theater systems, use the same family of modern solid state imaging chip sets, - called DLP® (Digital Light Processing) - which are designed and manufactured by Texas Instruments.

Unlike LCD projectors, DLP® does not lose any of it's image quality, sharpness or color accuracy, over a projector's lifetime.

These are some of the many reasons why DLP® is considered in the projection industry, as the best imaging system available.

In addition to this projection system, there is another video system that has recently been upgraded in the Presentation Hall.

That is the video recording system that records the various meetings for future use by the many respective Association groups that utilize this recording capability.

This improved recording system includes:

There are new remotely controlled HD cameras mounted around the Hall.

There is a new HD video recording system in the control booth at the back of the room.

This new system provides MUCH higher quality recordings while being easier to operate by the volunteers who operate this system.

This new system also makes it easier for the video team to edit those recordings.

So, as you enjoy the higher quality presentations that these new systems can provide,

PLEASE remember to THANK the Association for providing these modern technologies for our use in the Kilaga Springs Presentation Hall.

FYI – In the Orchard Creek Ballroom, the projector for the large center screen, has also been upgraded with a much brighter DLP® based digital projector.