

Summary of the January 2022 for KY K-12 Education Technology Leaders' Virtual Meeting

In case you missed it or want a refresher, the following is what we talked about during the January 18, 2022 edtech leaders' virtual meeting. A copy of the video and audio can be found at:

<https://mediaportal.education.ky.gov/technology/2022/01/edtech-webcast-january-2022/> .

Public viewing of the archived webcasts and written summaries are also available on the KDE Media Portal at: <http://mediaportal.education.ky.gov/>. Numbers in **RED** indicate the timestamp for that portion of the discussion so it can be easily located on the full digital recording.

This was a virtual meeting with our OET staff and all the districts joining via Microsoft Teams and/or YouTube. We will continue to make these available from our KDE media portal so that you can watch the archived discussion and share with the appropriate people in your district. Several GoSoapBox poll questions were posed throughout the meeting and district EdTech leaders were asked to respond to all the questions as it assists us in planning and getting a feel for how to best move forward. Your voice and your feedback are important and extremely helpful to us. Throughout the various topics discussed during this webcast, David shared feedback received in December.

(1:54) Education Superhighway Report, No Home Left Offline – This study supports what we have found to be true regarding access to the Internet beyond the school campus and last mile Internet to the home. Broadband and Internet are not synonymous terms and this is easily misunderstood; broadband refers to a specific speed of the Internet (i.e., at least 25 Mbps download and 3 Mbps upload)... and broadband Internet speed is nearly always significantly more (e.g., 99% more) than is what is needed by a KY K-12 student to do school work at home or close to home. One of the biggest barriers of lack of Internet access at home is not availability of at least one last mile wired/wireless Internet option, but rather the affordability of the Internet option(s) they already have. Some parents who can afford last mile Internet service and have at least one option available, choose not to connect for reasons other than a lack of money to pay for it. Two federal assistance programs (i.e., Lifeline and Emergency Broadband Benefit (EBB)) are in place but a very low % of people who qualify have taken advantage of these affordability programs. Awareness, trust and enrollment challenges are the top barriers of having low-income families from enrolling in and using one of these two funding assistance programs. Please spend some time reviewing this report with special emphasis on the Kentucky KY K-12 Digital Readiness Infographic that has K-12 Internet data specific to our state. Consider this report another tool in the toolbox for your school and district discussions on access beyond the school campus.

Thought you may be interested in this topic since it got a great amount of attention, \$\$\$ and news coverage over the past 23 months. In July 2021, the Kentucky legislative research committee (LRC) asked to meet with KDE (i.e., OET) to talk about and educate them about Internet access currently available to our 650,000 KY K-12 students on our KY K-12 public school's campuses and beyond the KY K-12 school campus. That day, we provided them info about both. We recently provided them an update on what was previously sent and it confirms/supports what OET previously sent them, which includes:

- All of 2300 district offices KY K-12 schools/building on school campuses are already connected by high speed reliable fibered Internet services. KY K-12 was the first in the nation to do that, beginning with connecting all KY K-12 district offices to the Internet in just 11 months back in 1995. We are "the" national leader in cloud based computing of technology enabled services (instructional, administrative, communications, etc.), which means KY K-12 has a significant reliance on capable, stable and reliable Internet services. Our existing KY K-12 high speed Internet services and our cloud based approach for our major technology enabled systems has put KY K-12 in great position for normal in-person instruction as well as short notice disaster recovery situations like the CV-19 pandemic and recent western KY tornadoes that require remote work, teaching and learning (e.g., Munis payroll could be done for the Mayfield and

Dawson Springs' teachers and staff, from a home or neighboring school district that was unimpacted by the tornado that still had Internet access).

- 95% of our KY K-12 students have enough Internet at their home to do school work and 98% of them have enough at or near their home. The remaining 2-5% will always be on the radar screen on how to address their needs.
- No other time in my 30 years at KDE has more progress and funding been available for Internet access beyond the school campus for KY K-12 students than the past 23 months. Similar progress with Wi-Fi in the buildings and other locations on the school campus (e.g., parking lots). Thanks to all that have helped make that happen.
- The last mile Internet for the remaining KY homes currently without their own Internet service is primarily an issue of households not being able to afford the last mile Internet service that is already available to them... and even for those KY homes that don't have even one last mile wired/wireless Internet option available to them, once one is available, sadly a very high percentage of them won't be able to afford it. This is important because tons of attention and \$\$ are going into building last mile Internet to homes but very little attention is being given to the primary issue (i.e., the ability of low income families to be able to afford the current services available or the future ones being built). This recent Education SuperHighway Report supports exactly what we've been saying for at least the past several years: (1) a very high percentage of homes already have a last mile wired/wireless option available to them and (2) this is mainly an affordability issue of the low income home owner being able to initially and ongoing pay for a last mile Internet service that is already available to them or soon will be available to them.

In our most recent snapshot in the fall of 2021 of Internet access of KY K-12 students beyond the school campus it shows 95% of our 650,000 KY K-12 students have enough Internet access at their home to do their school work. However, 60% of the students that are part of that remaining 5% indicate that they have access to Internet beyond their home to regularly do their schoolwork, which brings that down to 2%.

No other time in my 30 years at KDE has more progress and funding been available for Internet access beyond the school campus for KY K-12 students than the past 23 months. Similar progress with Wi-Fi in the buildings and other locations on the school campus (e.g., parking lots).

This report by the Education Superhighway regarding Internet access beyond the school campus [No Home Left Offline – Education SuperHighway](#) shows **the primary reason that homes doesn't have Internet access is due to not being able to afford an existing last mile wired/wireless option. We also found that to be very true over the past 23 months for KY K-12 students beyond the school campus.**

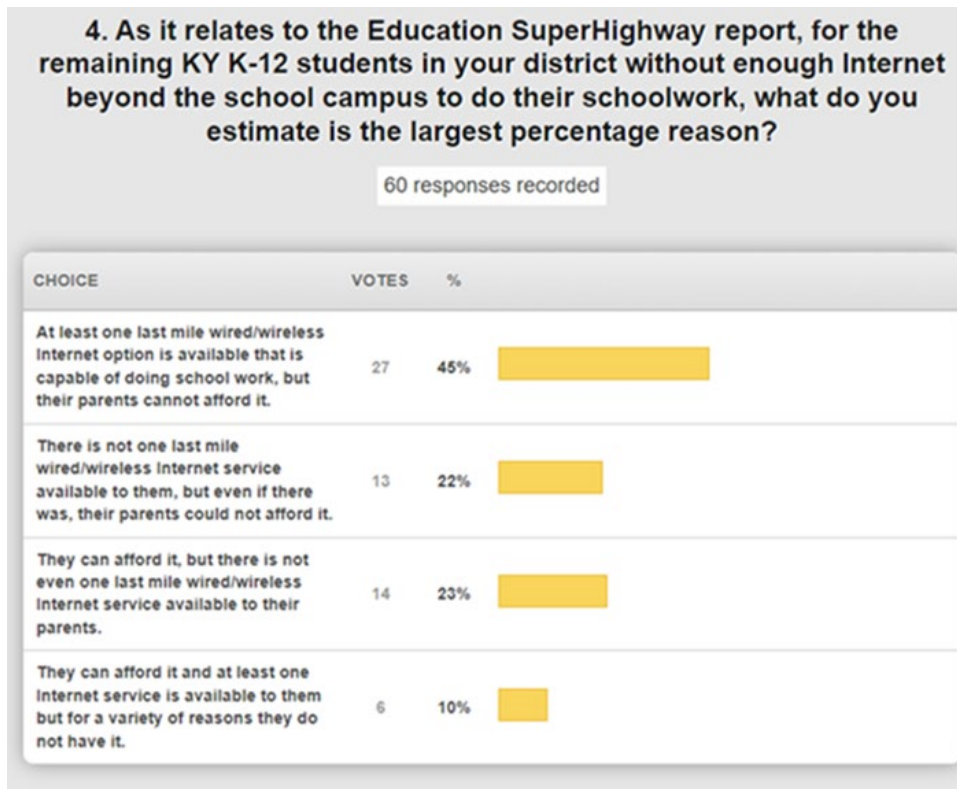
Close to 123 million US households have at least broadband speed last mile wired/wireless Internet access (i.e., 25 Mbps download and 3 Mbps upload). 28 million US households don't. 18 million (i.e., 64%) of those 28 million remaining homes already have at least one last mile broadband option available to them but they can't afford it. Another 3 million (11%) of that 28M already have at least one last mile broadband Internet option already available to them **and** they can afford it but for a variety a reasons (e.g., their Smartphone Internet service is enough) they don't want it. The remaining 7 million (i.e., 25%) of that 28M don't have one last mile broadband Internet speed option however even when one becomes available, over 50-70% most likely won't be able to afford it.

When folks hear that x% of KY homes don't have last mile wired/wireless broadband speed Internet service, they unfortunately automatically assume that is because a very high percentage of that x% don't already have a last mile wired/wireless Internet option available to them and therefore building one solves the last mile Internet problem for a very high percentage of that x%. In reality, the primary problem is that remaining x% households can't afford the existing last mile wired/wireless broadband Internet option already available to their home, or they can afford it but don't want it, or even when a last mile wired/wireless Internet is built/provided for the first time to those homes, unfortunately a high percentage won't be able to afford it.

There are two federal funding sources that help low-income homeowners pay for last mile wired/wireless Internet service. Unfortunately a very low percentage of eligible low income home-owners are taking advantage of it. Our school districts are making low-income parents aware of these two options, however anything you all can do to make low-income households aware of these two funding options will be much appreciated: (1) Lifeline @ [Lifeline Support for Affordable Communications | Federal Communications Commission \(fcc.gov\)](https://www.fcc.gov/lifeline) and (2) \$3.2B in available Emergency Broadband Benefit funds @ [How to Apply - EBBP \(getemergencybroadband.org\)](https://www.getemergencybroadband.org) is now called the Affordable Connectivity Program (ACP) as of 1 January 2022 @ [Home - ACP - Universal Service Administrative Company \(acpbenefit.org\)](https://www.acpbenefit.org). ACP differs from the EBB in at least one significant way. EBB paid for \$50 per month up to 31 Dec 2021. Beginning on 1 January 2022, ACP pays \$30 per month.

There is also a program mentioned in the Education SuperHighway report to help folks in low-income apartments get Internet connectivity. It doesn't mention helping folks in low income trailer parks but hope those would also be eligible as well.

During our monthly KY K-12 district CIOs/EdTech leaders a month ago, we asked districts to respond to five different poll questions. Two of the five poll questions were related to the Education SuperHighway report. The following gives a feel for how it plays out in KY K-12.



5. Going forward, what do you see as the most common way your district will address their remaining students without enough Internet beyond the school campus to do their school work?

54 responses recorded

CHOICE	VOTES	%
None, it is the responsibility of the parents.	4	7%
Making these students and/or parents aware of (a) financial opportunities to help them pay for an existing last mile wired/wireless option and/or (b) locations they can go to get it that is close to them.	34	63%
The district will pay for and provide a solution for these students (e.g., Internet hot spot service).	10	19%
The district will pay for and provide a solution (e.g., Internet hot spot service) for unique situations (e.g., student taking a specific course).	6	11%

This is excellent information for us and correlates to the feedback provided in your year-end feedback to us on this topic. In #5, the remaining student population referred to is less than 2 percent.

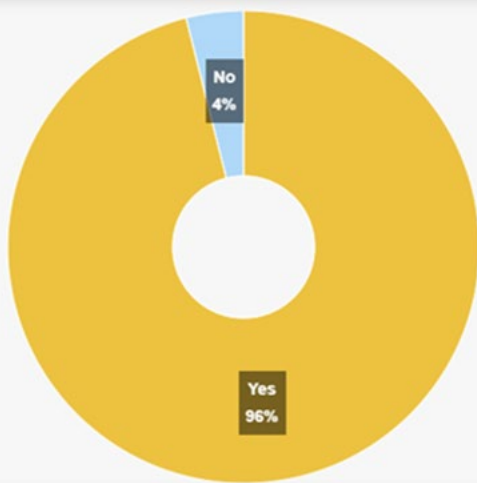
(22:04) Legislative Session Update and KY K-12 EdTech – At this point in the session, we haven't seen many education technology specific bills introduced. There have been close to sixty education-related bills reviewed by KDE at this time; however, we don't expect activity to increase until after the election filing deadline has passed.

HB1, the House budget, was introduced first this year and that is a rare occurrence. The Governor introduced his version of the budget, HB285, a week later. Both budgets include very positive appropriations for education, but the Governor's budget proposal included a higher number of KDE's additional budget requests. One of those included restoration of the KETS baseline of \$4.1M, but our additional budget request was to restore and increase our baseline funding to maintain and sustain our services that benefit all schools and districts. The three main areas are to increase the KETS offer for your staffing, replacement of technology and continue to have the ability to effectively manage bandwidth needs.

Your voice can and does make a difference. We are counting on YOU to help us get this on the radar screen of your Supt and local legislator. The Governor's press release specifically points out a partial restoration of these funds. We ARE a good investment and good stewards of taxpayer funds. Now is the time for you to bring this to your House and Senate leaders as the Senate is reviewing these two proposals and developing their version of the budget proposal. After the Senate version of the budget is introduced and they go into discussions, things move very fast. All of the current federal funding is temporary and has afforded for lots of growth and continuation/implementation of vital services but once this funding expires in 2024, we need these increased baseline appropriations in order to continue to provide the same levels of service and not have decrease or slow down our KETS initiatives. David will share a packet of resources for you to use in having these discussions; it will be sent to you via email.

6. As it relates to increasing KETS funding during this legislative session that is primarily to be used for the “Peopleside of KY K-12 Edtech” in districts (CIOs, tech staff, digital learning coaches, chief data officer, cybersecurity staff), technology maintenance replacements within districts and increasing bandwidth Internet speeds for districts--can you and will you contact the right folks locally to champion and support that happening?

51 responses recorded



(40:04) KY K-12 EdTech Infographic [Digital Readiness Reports](#), [KETS 2018 - 2024 Master Plan - Appendix B - Kentucky Department of Education](#) – Some of the digital readiness work has been shared and highlighted previously. Today we want to present the newly updated KETS Infographic located in our KETS Master Plan. This is developed using a visual format that tells a story with the data. This is our 8th anniversary of producing the KETS Infographic! This is the first year we have gone outside of OET to work with a partner in preparing the infographic, so shout out to Gary Bachmann who created and updated the KETS Infographic on behalf of OET for the first seven years. Another high five to Ben Maynard who oversees and coordinates the work on the KETS Infographic.

The infographic is designed to provide a meaningful story of the ways in which technology is both supporting and forming the education landscape within Kentucky. The detailed responses by region and district are available in the Digital Readiness portal and provides an interactive map of the [top technology trends](#) within Kentucky on an annual basis. Several sources are utilized to create the story depicted in the KETS Infographic and this year’s version also heavily incorporated our academic standards for technology.

We recommend you bring up the infographic and follow the audio for the full presentation. Below are some key highlights:

- 98% of students have Internet access for school work beyond the school campus
- 98% of students have access to a digital device for school work beyond the school campus
- 95% of students report Internet access at home
- .67 to 1 student to digital device ratio (the lower the number the better for this item)
- 69% increased Internet usage over the past 24 months while maintain 99.98% uptime
- Only 5 remaining districts have yet to decide/implement a BYOD or 1 to 1 student computer implementation strategy
- 86% of students are asked to collaborate using online documents
- 71% of students are asked to work with other classmates online
- Over 51% of students in Kentucky utilize technology to engage with experts outside of the classroom
- 88% of students say their teachers talk with them about how to act respectfully while online
- 79% of students say their classmates always or usually treat each other with respect when collaborating online
- 95% of district report have a strategic plan for teaching digital citizenship skills

- 78% of students are easily able to find out if online content is trustworthy
- STLP has thrived and grown throughout the pandemic with 70% having the STLP program integrated into content
- 84% of teachers create and utilize instructional videos, discussion board posts, use virtual curricula, or run virtual classes
- 85% of teachers use online curriculum
- 89% of teachers create digital resources such as instructional videos, hyperdocs, choiceboards
- 68% of teachers use a Learning Management System
- Kentucky is cited as a top 3 state in teachers accessing and using quality data to raise achievement for all students
- 83% of educators frequently collaborate with other teachers to design learning experiences using technology
- 99% of school leadership feel strongly that they encourage teachers to try new things with technology
- 96% of school building leaders report regularly discussing technology during teacher evaluations
- 97% of teachers have access to a part- or full-time digital learning coach (DLC); this has doubled in the past 2 years
- 60% of teachers report intentional collaboration and support of digital strategies for teaching and learning
- We now have almost 858,000 mobile/next generation devices and over 1 million KY K-12 computers
- 94% of districts report students taking online or virtual courses w/45 districts offering online or virtual courses to students in other districts
- 95% of districts sponsor a learning management system (LMS)

Shout out to Jefferson County and Fayette County who led the charge in driving down the cost and supporting one of the founding principles of KETS—equity over the past 30 years. Driving down costs, equitable buying power and break/fix service of the KETS price contracts has been of our greatest successes. KETS has easily saved at least \$1B since 1992 through KETS contracts. We have several other larger districts as well that have also been great teammates with this, so THANK YOU to all of you who have supported and helped us drive down the cost and provide equitable pricing for all districts regardless of size. Another way we have been good stewards of taxpayer monies and continue to show that the KETS program is a good investment.

(1:01:56) From the KETS Corner by Mike Leadingham – Mike prepared and sent out an email detailing several items for our EdTech leaders. Below you can find the text of that email along with items that have been highlighted or were discussed in more detail due to them having a sense of urgency.

Technology planning continues and access to the planning tool kicks off this month. Conversations about technology take place every day and, between the pandemic and weather-related events, it seems that technology’s role in the instructional process can change every day as well. Nevertheless, we have an obligation to plan for the future as best we can and one of our annual tasks is the creation and submission of the annually required District Technology Plan. The launch date for districts to start submitting 2022/2023 district technology plans is Friday, January 14, 2022. As identified in the annual Supt’s Assurances, submitted to the Commissioner’s Office, the **district technology plans will need to be submitted no later than Friday, April 15th, 2022.**

If you’re in the middle of a **multi-year technology plan** that was submitted last year, make appropriate edits to document how your plans have progressed and perhaps changed over the past year. You’ll then resubmit that multi-year plan, as a **plan is required to be submitted each year**, even if a revised or updated multi-year plan.

Last year, our KEs and Digital Learning Coaches, offered some virtual opportunities for districts to gather and discuss aspects of technology planning, gather ideas from one another, etc. These folks will be in contact with you once again regarding the most beneficial ways to provide assistance and guidance to you, while creating opportunities to share with one another. Additional details regarding the technology planning tool and associated processes will also be provided by this group to you directly and through regional meetings. **I encourage you to take technology planning seriously**, maximizing the opportunity & impact that technology will continue to have on our success of providing meaningful educational opportunities to all Ky. K-12 students, as well as ensuring a most effective & efficient environment for all of our teachers and administrators.

Erate activity is in full swing. The 2022/2023 Application Filing Window is now open, effective Wed. Jan. 12th, and is scheduled to close Tuesday March 22nd, 2022. We will continue to monitor any changes to the application window and advise as we anticipate or see change occur. Scott Kane and Caprice Gay lead our efforts for maximizing Erate participation for any KETS products or services that may have Erate eligibility. They have been, and will continue, offering training opportunities, while working with our KE Team for individual assistance & guidance to you and your district. Our efforts to maximize this Federal Funding program continue to pay large dividends in savings & rebates to the KETS program at the state shared services level, as well as locally within each of your districts.

***Erate required materials that we must receive from each district for this year** include:

- Letter of Agency (LOA), which allows us to recognize each district as part of the consortium for our state-wide Erate application.
- Discount Data to ensure we've appropriately captured the applicable discounts on our state application for Internet Connectivity and Access.
- FCC Form 479 to acknowledge our compliance with the Children's Internet Protection Act (CIPA).

Each of these items are required from each district for the state-wide Erate application we submit on behalf of all Ky. school districts for discounts & rebates on state-wide Erate eligible products & services. This is primarily Internet connectivity & access, as well as associated services. You have previously received awareness and requests for each of these to be submitted no later than Friday, Jan. 14th, 2022. I thank each of you who promptly submitted these items and encourage anyone who needs to yet submit to do so promptly. Our ability to act on behalf of all districts to secure the Erate funding that provides for our high speed & reliable Internet services and contributes to the KETS Offers of Assistance program is dependent on timely responses from each of you. Your KE can assist with guidance as needed.

****NOTE: We do have a few who still need to submit one or more of these required materials and we'll be reaching out to finalize your submission.***

Technology Leases play an important part for many districts when maximizing Erate funding opportunities. As you should already be aware, all technology leases over \$100k require KDE review and approval. This includes review from the Office of Education Technology, Office of Legal Svc.'s, and the Commissioner's Office. We identify it takes on average 4 to 6 weeks to complete the process of reviewing and approving leases, especially when any clarifications, corrections, or additional information is required. This typically results in back and forth interaction between KDE, the district, and the district's vendor partner, often resulting in much loss of time. My recommendation is that you submit a lease for KDE review & approval at least 6 weeks prior the date in which you need the approved lease.

A **Technology Lease Moratorium** during the Erate Application Filing Window was introduced during our November 2021 District EdTech Webcast. To ensure we have clear expectations and understanding regarding a date by which a lease must be submitted to KDE in order to be reviewed by KDE before the end of the Erate filing window, currently identified as March 22nd, 2022. **The cutoff date to submit technology leases in which you intend to include as part of your 2022/2023 Erate application is no later than Tuesday, March 1st, 2022.** This is the latest possible date in which your KE needs to be able to submit your lease on your behalf to KDE. Depending on how you interact, inform, and include your KE so they can review and provide guidance to you regarding the preparation of your lease will also impact how you ensure you make the March 1st cutoff date. Each KE will provide additional guidance to those districts that will be working on technology leases for the Erate Filing Window. In order to allow the required time for appropriate review of technology leases, **we cannot accept any new leases between March 2nd, and March 22nd.** Submitting your technology lease no later than the March 1st cutoff date will allow adequate time for review and approval from KDE, in which all of the required information is appropriately included and provided with the lease, and for any minor interaction that must occur back and forth between KDE and the district to clarify or correct minor issues. Submitting the lease by March 1st does not guarantee your lease will be approved by March 22nd, if it is missing a significant number of required items or improperly prepared, therefore requiring significant back and forth interaction between KDE, the district, and the district's vendor partner. As stated above, it typically takes 4 to 6 weeks to review and approve technology leases. The March 1st cutoff date allows 3 weeks, so the earlier your lease is submitted the safer you are.

470 & Mini-Bids are a familiar activity associated with filing an Erate application. I remind you to be proactive in getting your required 470's posted and conducting your required mini-bids for any products and services you will be acquiring through established Erate eligible KETS contracts. Scott & Caprice have provided guidance on these required steps as part of Erate training offered to districts over the past couple of months, and your KE also provides guidance and is available to provide additional assistance in getting answers to questions you might have or help you may need as well.

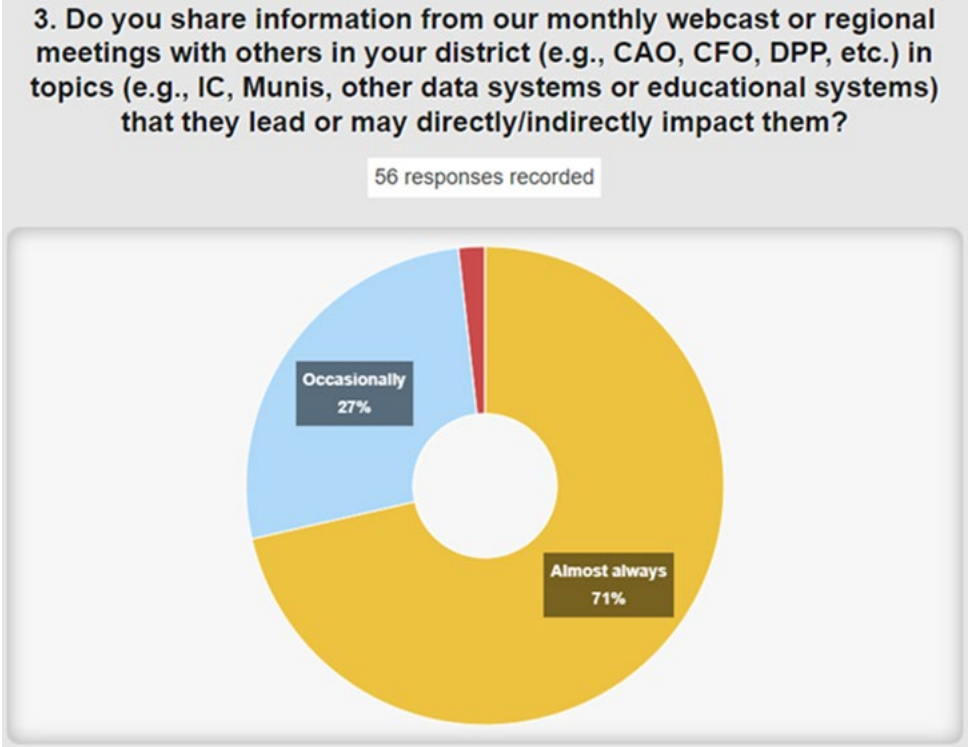
KETS Network Contracts are a group of KETS Contracts in which mini-bids are required. According to Erate rules posted on their website, "If the state awards contracts to multiple service providers as a result of its posted FCC Form 470 and competitive bidding process – what we refer to as a multiple award schedule – the applicant must conduct a bid evaluation for all service providers able to provide services to the applicant under these contracts (a mini-bid process)." I interpret these guidelines to indicate that you must provide notification to all companies who are listed as Resellers, as well as the primary company holding the contract, for all awarded KETS Network Contracts. The companies, which are the Manufacturers for our KETS Network Contracts, holding the contracts do have a responsibility to manage their list of Resellers, which should include which Resellers will respond to which mini-bids, or if the Manufacturer may respond directly themselves. Ultimately, you should be comfortable you are following the Erate rules, available on the USAC Erate website, regarding the requirement for conducting mini-bids for state established Erate eligible contracts.

Steps to use the state KIH3 contract to acquire local Erate eligible WAN services has not changed. The district must file their own Form 470, wait the required 28 days, accept bids from all potential service providers, and conduct a fair and open bid evaluation process per E-rate rules to establish a winner. If KIH3 is the winning bid, the district will reference the district-

filed form 470 and use the date the contract was selected as the winner as the contract award date on the form 471. We understand that a few districts do this, while most award local contracts through the 470 process.

A Notice of Proposed Rule Making, listed under the FCC Website as “Promoting Fair and Open Competitive Bidding in the E-Rate Program”, has been issued on Dec. 16, 2021 by the FCC regarding the establishment of a competitive bidding portal into which not only 470s and RFPs will have to be posted, but all bid responses would also have to be submitted. There are 30 days to reply during the initial comment period and an additional 30 days for reply comments. You may consider providing comments directly yourselves or can also advise us of considerations you would like for us to include in a response on behalf of KY and the KETS Program.

The Last Mile Internet (LMI) report date has been extended to Jan. 31st, 2022. We’ve been collecting information from each district that participated in the LMI program over the past few weeks. I understand that some additional clean-up needs to occur for many districts for their information. We have the ability to extend that due date for this information, therefore have done so to allow time to ensure the information is accurate and complete. Your KE will provide additional guidance on how we’ll work together to make some needed corrections and complete the collection of this information.



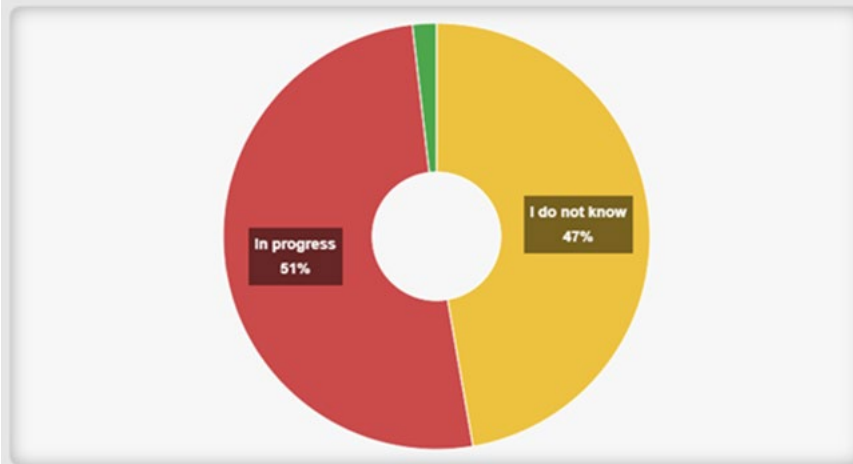
Overall, district feedback was very supportive of us sharing information that affects districts. Some of these topics may not be directly related to your role, but we hope that you do see the value in it and take the time to share with other district leadership who lead these areas or may be impacted.

(1:14:36) KY K-12 Data Systems Update:

- Civil Rights Data Collection (CRDC) –
 - School districts should be in process of validating the 2020-2021 data prepopulated by KDE and completing entry of any data that was not prepopulated. District certification must be complete by February 28. For more information, visit the [KDE CRDC webpage](#).

1. What is the status of your district on validation for the 2020-2021 Civil Rights Data Collection (CRDC)? The validation window is open through February 28.

55 responses recorded



- [CRDC OMB proposed package for public comment](#) and [Directed Questions](#) – The U.S. Department of Education extended the comment period on proposed changes to the Civil Rights Data Collection. Take this opportunity to provide input on any reporting burden the changes place on districts. The comment period was extended to February 11.
- People Role Manager – Encourage districts to review both district and school contacts and update as needed. Recent communication to high school counselors had 20% came back undeliverable.

2. Is there a point of contact at the school monitoring the contact information posted through WSA/People Role Manager updates?

50 responses recorded

CHOICE	VOTES	%
Yes, school monitors and requests WAAPOC to update	11	22%
No, WAAPOC monitors and updates	33	66%
Review for needed updates as time permits	6	12%

- KSIS -
 - Lightspeed/Infinite Campus update – We are hopeful that the updated Lightspeed agent being implemented will resolve this issue; it is currently being piloted.
 - On-Line Registration extension for next 3 years using ESSER funding – Training to help districts enhance will be offered in February.
 - Campus Learning extension for next 3 years – ESSER funding must tie work to learning loss.
 - KDE continues to promote the college going initiative; encourage high schools or district contacts on behalf of high schools to use Campus messaging for college going work. Currently working on FAFSA upload process for KHEAA file.
 - Regular review of Infinite Campus user accounts and tool rights is essential to data security and privacy – now is a good time to check for stale or inactive accounts that create security risks.
- Training – For details on the following training opportunities, go to the [KSIS Training webpage](#).
 - Jan. 27 – Security training *Tentative*
 - Feb. 22, 24 – Taking Online Registration to the next level training
 - March 1-3 – Infinite Campus is offering [Data Days & Master Scheduling](#) training. This will include sessions on setting up schedules, calendars, rosters, data use and more and is a great opportunity for

new and experienced staff to get training for minimal cost. Infinite Campus is offering Kentucky districts a reduced rate of \$399 that allows an unlimited number of participants from your district. Ensure your primary and backup points of contact have the training necessary to maximize use of Infinite Campus.

- eTranscripts – Consider using your school and district website, Campus messenger, and social media sites to inform students and parents on how to order transcripts. Alumni may also order their transcripts using eTranscripts so add information to help them as well.

(1:25:12) David continued the meeting using today's bonus time to discuss some highlights of the district feedback. There was discussion on Lightspeed, Active Directory, eSports, Kentucky Virtual Library, Cybersecurity, and some of the goals for 2022. Please tune into the audio if you'd like to hear the full discussion.

Thanks for joining today and we'll see you next month!