Governor's Office of Education Innovation Staff Update December, 2013

Rebecca Gau, Director

Items to Discuss

- Delivery plan update
- National Teacher Survey data
- Preliminary data: Performance on new standards
- Communications update
- Council member feedback review

Arizona Ready Pillar Tracking

Official Tracking through

December 9, 2013

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Pillar 1: All schools implement college and career ready standards with fidelity

Strategies	Dec 2012	Mar 2012	Jun 2012	Aug 2013	Dec 2013	Likelihood to Succeed
1. Break down silos (e.g. between teachers and parents)						At Risk
2. Strengthen real world relevance						At Risk
3. Ensure all schools' readiness to implement new assessment						DANGER
4. Build public awareness and support for college and career standards						At Risk
5. Facilitate collaboration between K12 and Post-Secondary to ensure alignment						Likely

Action Steps to remediate Red area:

1. Communicate lessons learned from Broadband research
2. Appropriately support ADOA Broadband funding/E-rate coordination
3. Assessment "dress rehearsal"

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Pillar 2: Create a Data Culture around Student Learning

Strategies	Dec 2012	Mar 2012	Jun 2012	Aug 2013	Dec 2013	Likelihood to Succeed
Provide Technical Assistance						Very Likely
Facilitate Data Conversations						Likely
Statewide Longitudinal Data System*						Likely

*Note: As of Jan 2014, this strategy will be moved to a project under Pillar 4

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Pillar 3: Provide avenues for underperforming schools and underserved students to improve

Strategies	Dec 2012	Mar 2012	Jun 2012	Aug 2013	Dec 2013	Likelihood to Succeed
Develop and communicate strategies based on best practice research						Very Likely

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Pillar 4: Improve effectiveness of teachers and leaders

Strategies	Dec 2012	Mar 2012	Jun 2012	Aug 2013	Dec 2013	Likelihood to Succeed
Support and communicate best practices for effective teachers and leaders						At Risk

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Communications Goal: GOEI will increase awareness of Arizona Ready and engagement with its pillars

Strategies	Dec 2013	March 2014	June 2014	Aug 2014	Dec 2014	Likelihood to Succeed
1. Facebook						Likely
2. Twitter						At Risk
3. Pinterest						DANGER
4. Google+						DANGER
5. Newsletters						Likely

Action Steps to remediate Red areas:

1. Hiring temp to cover maternity leaves
2. Shooting videos, getting original content from schools
3. Changing communications firm

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Arizona Ready
Graduation Rate Task Force Update

Six Recommendation Areas

1. Early Childhood
2. "Out of School Time" youth development programs
3. Early warning data system
4. CTE / relevance
5. Education and Career Action Plan (ECAP)
6. Career pathways/business involvement
7. Remediation/Dropout prevention/credit recovery (new)

Next Steps

- Hired LeCroy & Milligan Associates to complete final report
  - Prioritize and make sense of “laundry list” of recommendations
  - Timeline
    - Short term
    - Longer term

Better Internet for Arizona Education: Analysis & Findings

Prepared for
Governor's Office for Education Innovation

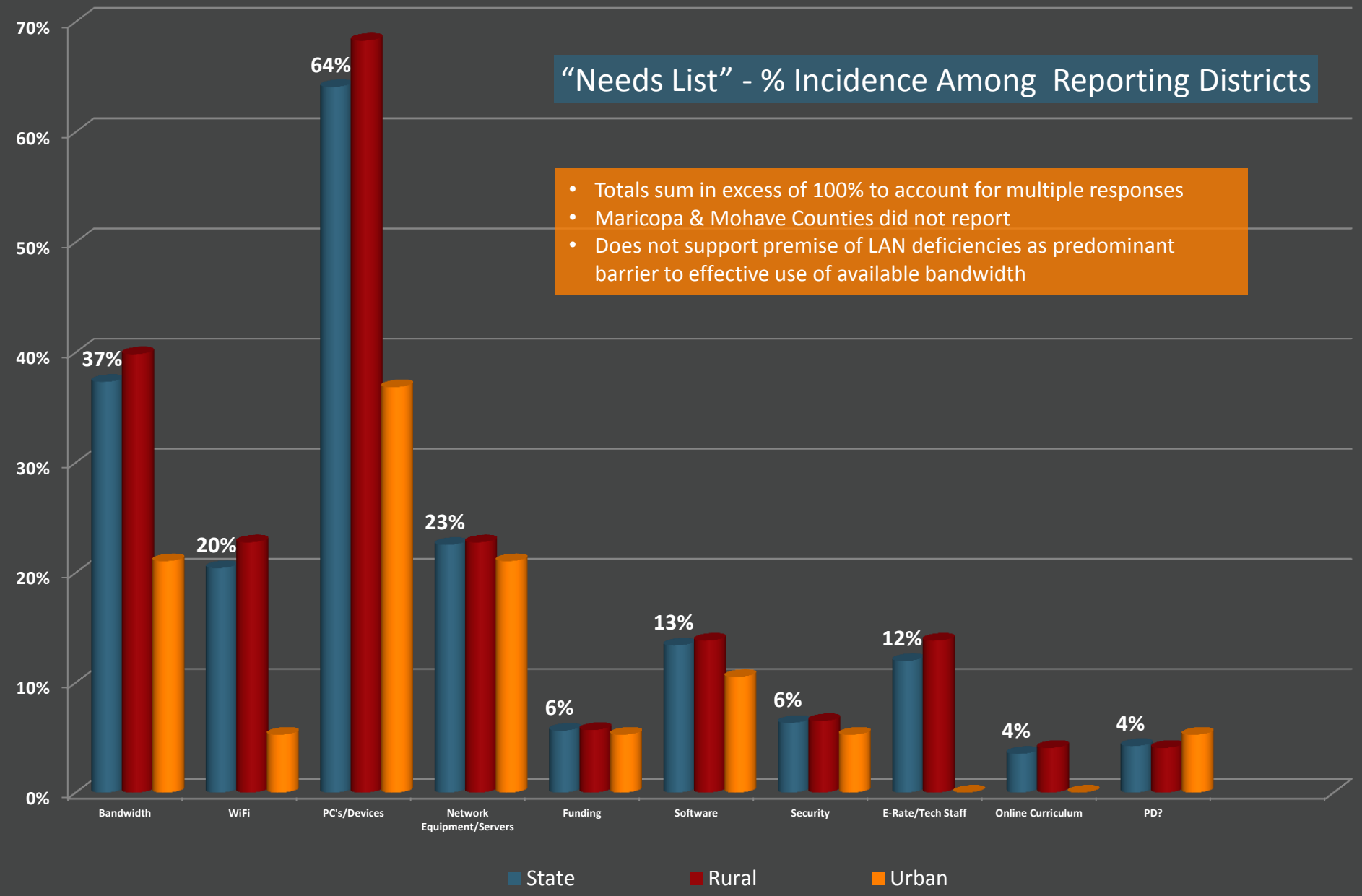
Arizona Ready Council

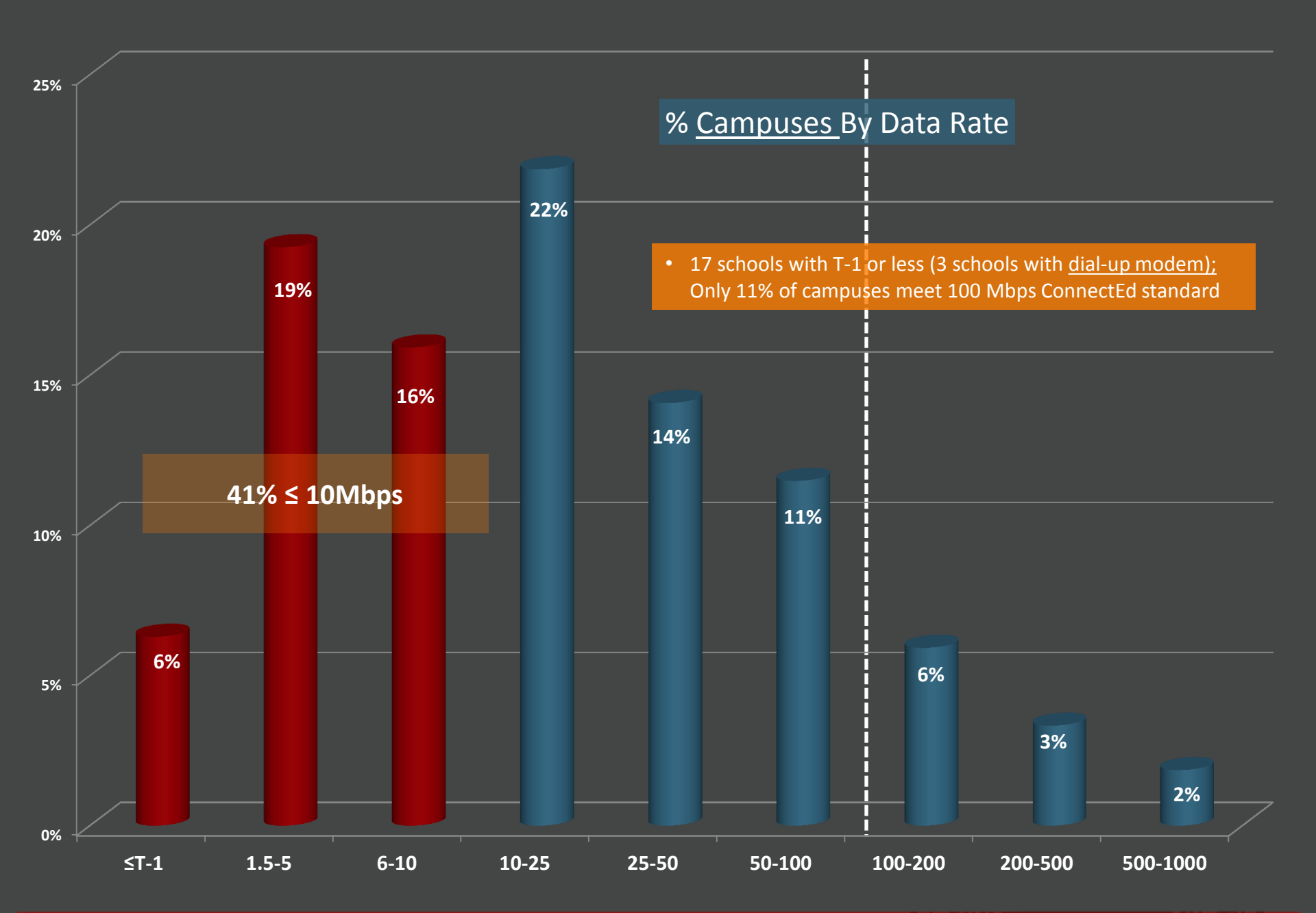
January 23, 2014

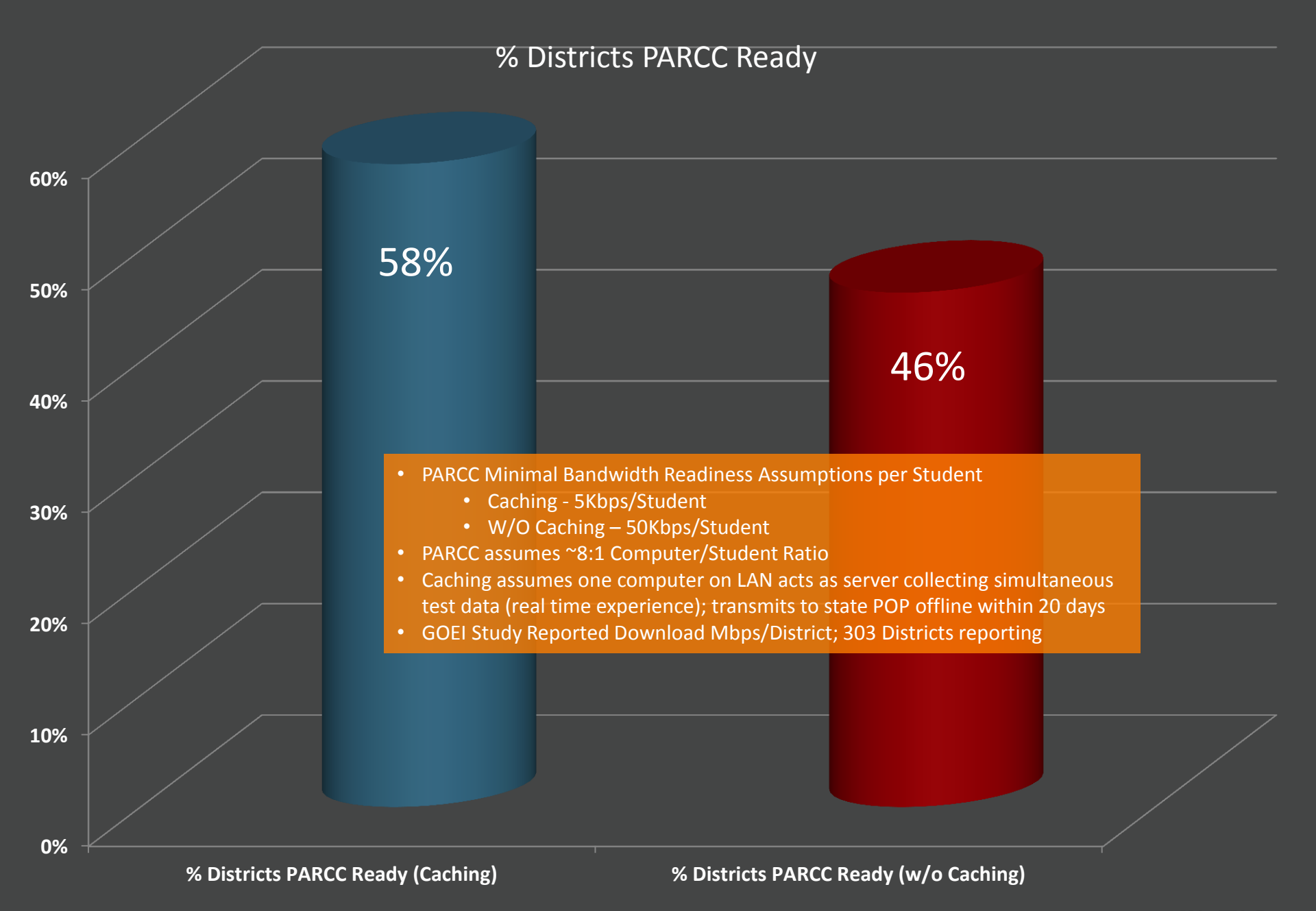
ADOA-ASET
Arizona Strategic Enterprise Technology

“Needs List” - % Incidence Among Reporting Districts

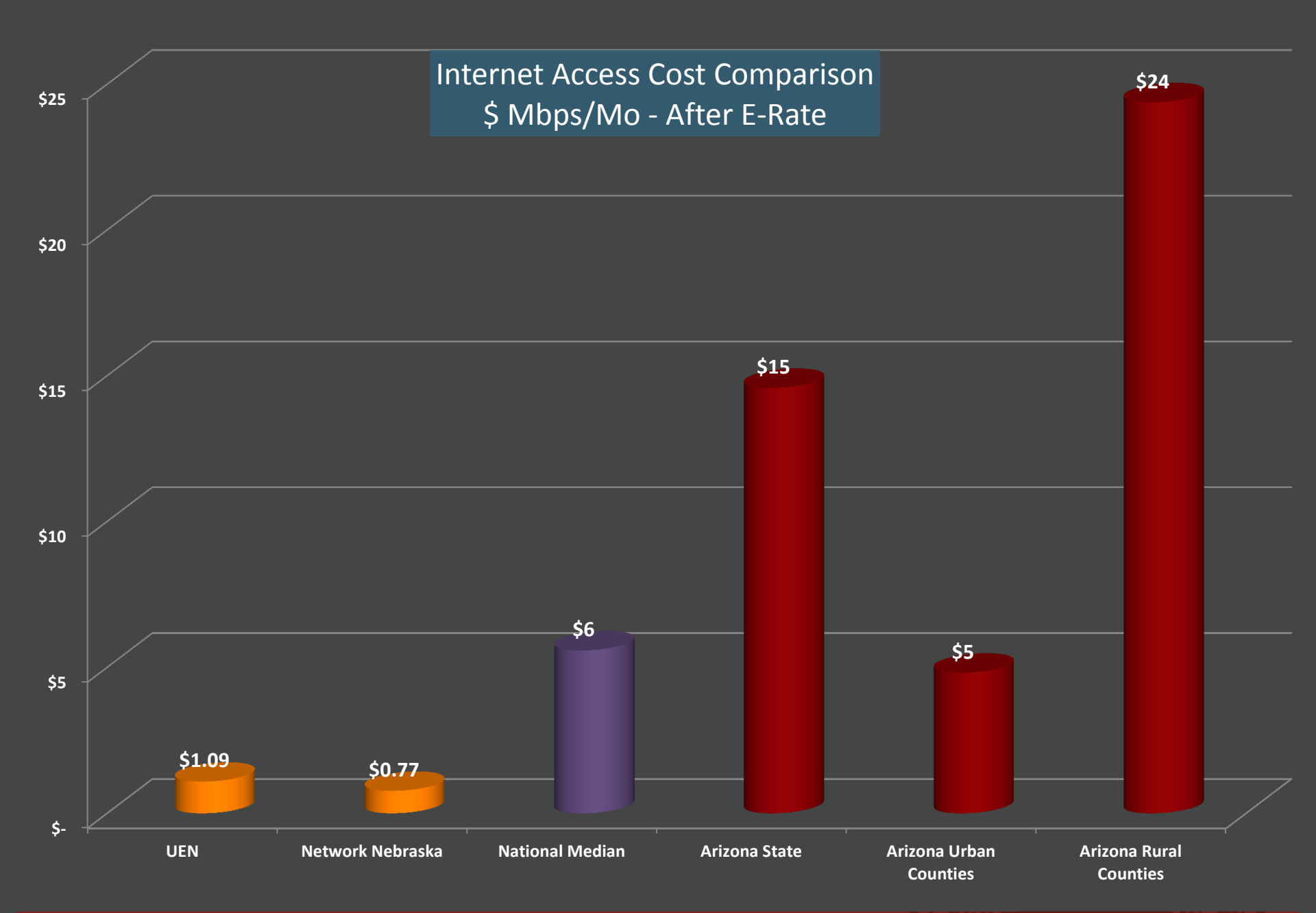
- Totals sum in excess of 100% to account for multiple responses
- Maricopa & Mohave Counties did not report
- Does not support premise of LAN deficiencies as predominant barrier to effective use of available bandwidth




% Campuses By Data Rate
• 17 schools with T-1 or less (3 schools with dial-up modem); Only 11% of campuses meet 100 Mbps ConnectEd standard
41% ≤ 10Mbps
25%
20%
15%
10%
5%
0%
6%
19%
16%
22%
14%
11%
6%
3%
2%
≤T-1
1.5-5
6-10
10-25
25-50
50-100
100-200
200-500
500-1000



- PARCC Minimal Bandwidth Readiness Assumptions per Student
  - Caching - 5Kbps/Student
  - W/O Caching – 50Kbps/Student
- PARCC assumes ~8:1 Computer/Student Ratio
- Caching assumes one computer on LAN acts as server collecting simultaneous test data (real time experience); transmits to state POP offline within 20 days
- GOEI Study Reported Download Mbps/District; 303 Districts reporting

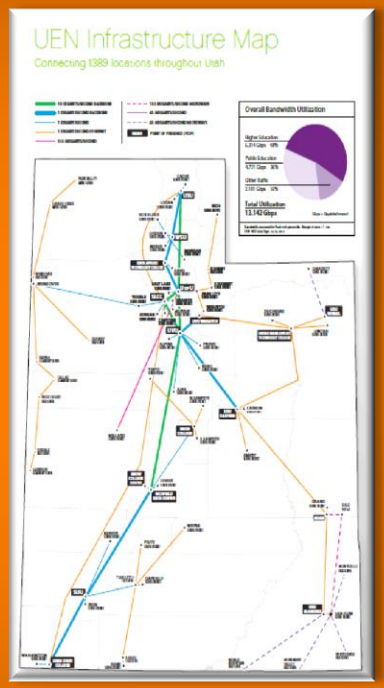

Internet Access Cost Comparison
$ Mbps/Mo - After E-Rate
$25
$20
$15
$10
$5
$-
$1.09
$0.77
$6
$15
$5
$24
UEN
Network Nebraska
National Median
Arizona State
Arizona Urban Counties
Arizona Rural Counties

UEN – Arizona Comparison

Utah spends ~ $19.6 million for statewide transport bandwidth & Internet access for ~ 800,000 K-20 students or $24.38 per student/year

Arizona spends ~$22.1 million for Internet Access for ~ 1.1 million K-20 students or $19.42 per student/year

1 Gbps
UEN Predominant Data Rate Per K-12 Campus



12 Mbps
Arizona K-12 Median Data Rate Per K-12 Campus

To Scale

Public Opinion Poll
November Survey

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Summary

•**Overall, awareness of *Arizona's College and Career Ready Standards / Common Core State Standards* increased slightly over the last measurement period (August 2013).** The biggest gains were seen among parents, Democrats, and those with incomes <$75K.

•While favorability among all respondents has been consistent over the past three time periods, **favorability among Republicans has decreased**. In addition, *unfavorable* ratings by those over 50 years of age and those with incomes over $75K have increased.

•Three-quarters (74%) of all respondents maintained they favor (either *strongly* or *somewhat*) the standards after being read a description. However, the **proportion of parents who say they *strongly favor* the initiative decreased from 48% to 34% between August and November 2013. Similarly, *strongly favor* ratings among those under 50, Republicans, and those with incomes over $75K decreased. Interestingly, *strongly favor* ratings among educators also decreased significantly.**

Summary

- **Approximately half of all respondents said they would be very or somewhat likely to engage in activities to support Arizona's College and Career Ready Standards.** As might be expected, parents and educators are the sub-groups most likely to become involved in these activities.

- **Overall, 15% of Arizona residents have you heard, read, or seen information about Arizona Ready** in the past six months. One fifth of parents reported awareness of Arizona Ready, representing a significant increase since April, 2013.

Has what you have seen, read or heard recently about Arizona's Common Core State Standards given you a favorable or unfavorable impression of the standards? Would that be very or somewhat (un)favorable?

	Oct '12 n=196 (A)	Apr '13 n=98 (B)	Aug '13 n=181 (C)	Nov '13 n=252 (D)
Very favorable	16%	10%	16%	13%
Somewhat favorable	45%	34%	32%	33%[A]
Somewhat unfavorable	16%	23%	24%	22%
Very unfavorable	8%	11%	11%	17%[A]
Don't know	15%	22%	17%	15%
Total	100%	100%	100%	100%

[ABCD] *Statistically significantly different from others in category*

Note: question wording referred to "Common Core" state standards in historical time periods.

These new standards have been set to internationally competitive levels of English and math. This means that students may be more challenged by the material they study and the tests students take will measure more advanced concepts and require students to show their work. Knowing this, do you strongly favor, somewhat favor, somewhat oppose, or strongly oppose implementing these new College and Career Standards in Arizona?

	Aug '13 n=431	Nov '13 n=478
Strongly favor	43%	39%
Somewhat favor	29%	35%
Somewhat oppose	10%	8%
Strongly oppose	8%	7%
Don't know	10%	10%
Total	100%	100%

There are many opportunities to support Arizona's College and Career Ready Standards (previously known as Common Core State Standards). Examples include: talking about them with a friend or neighbor, asking your local school or teacher what they are doing to implement the standards, sharing information online or voting for political candidates who support the standards. Knowing what you know, how likely are you to engage in one or more of these activities?

	Nov '13 n=478
Very likely	20%
Somewhat likely	30%
Somewhat unlikely	18%
Very unlikely	28%
Don't know	3%
Total	100%

Teacher Survey Update

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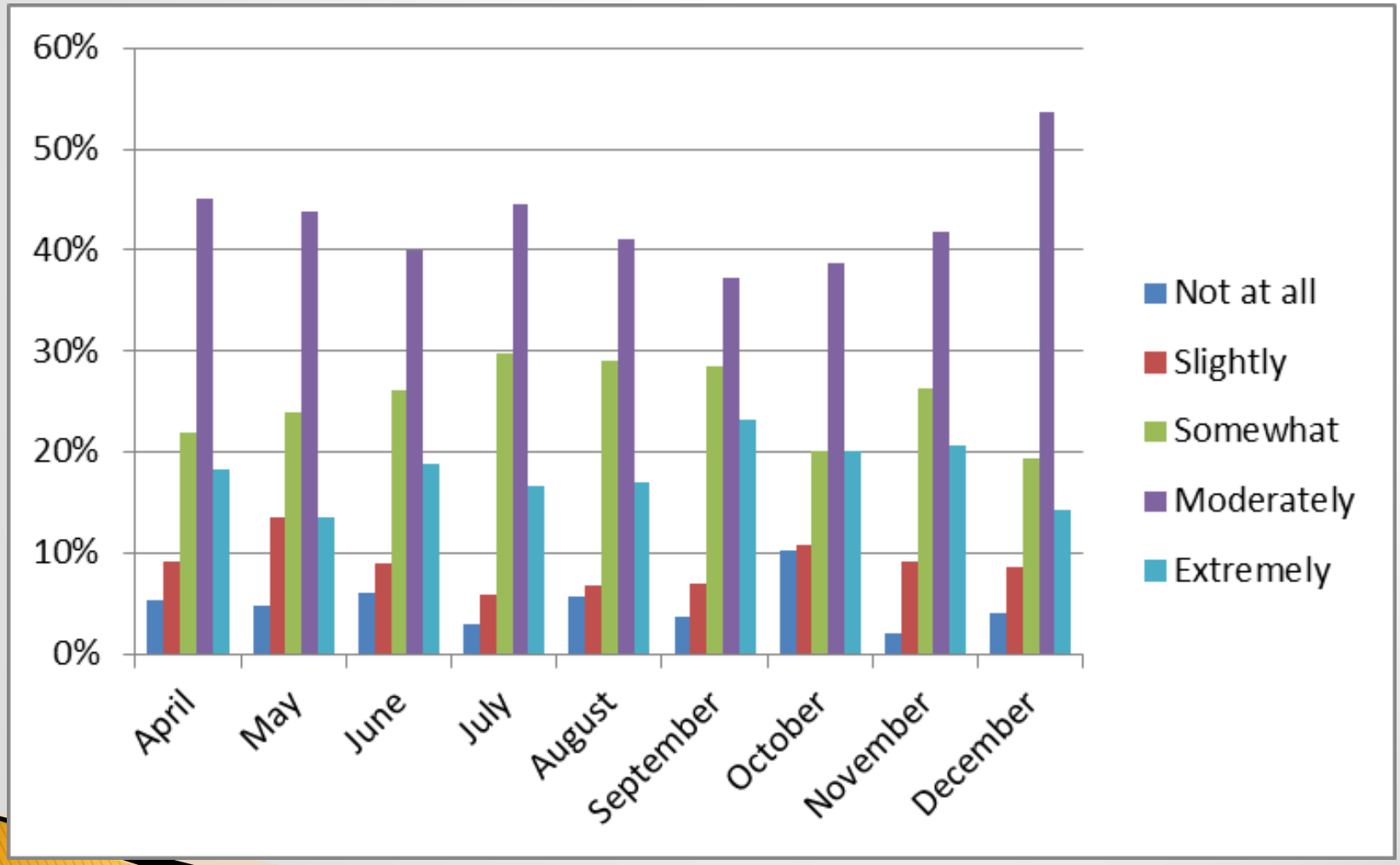
As of November 2013: Cumulative N = 1,991

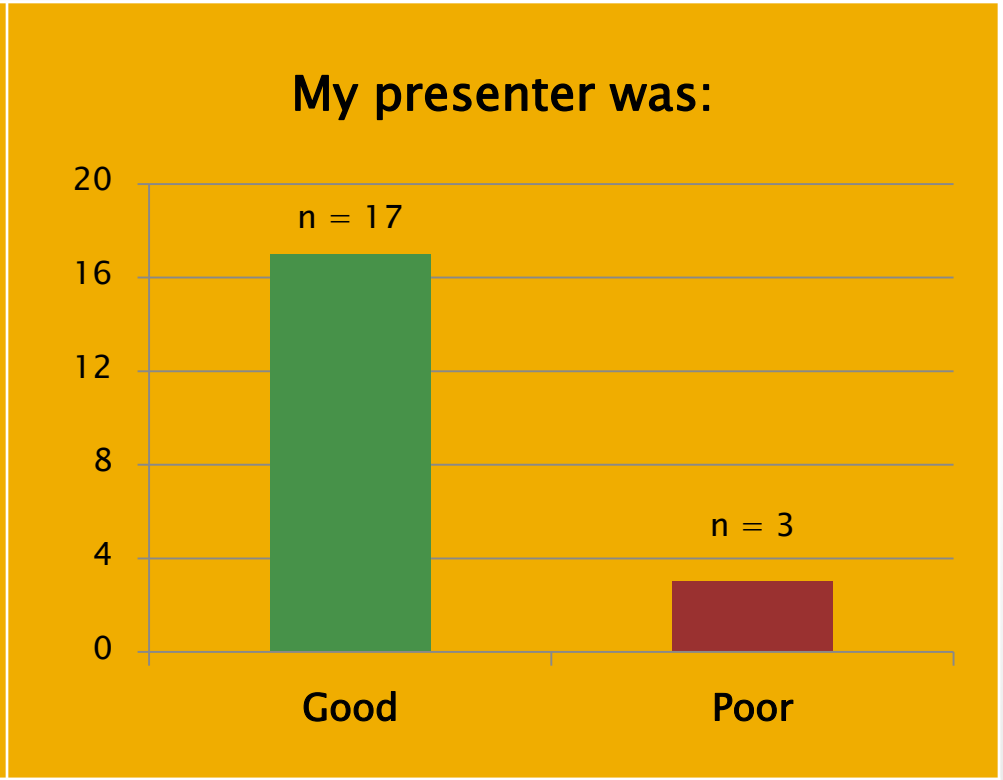
- 1 out of 4 teachers report having received NO training on the implementation of AZCCRS. As previously discussed, those who have received training are much more likely to be both confident in and support AZCCRS.

- 1 out of 2 teachers report having received NO professional training to upgrade their skills in adapting lesson plans to AZCCRS.
  - Of those trained, 3 out of 4 teachers say that their training prepared them to adjust curriculum and lesson plans moderately well or very well.

Respondents' Confidence in Their Ability to Implement Arizona's Standards



In October, 225 teachers reported having received implementation training. Of those, 141 teachers provided further details. When asked to explain why they gave their implementation training the rating they did, 66 commented on how they felt about their training overall while 20 provided their opinion on their presenter.



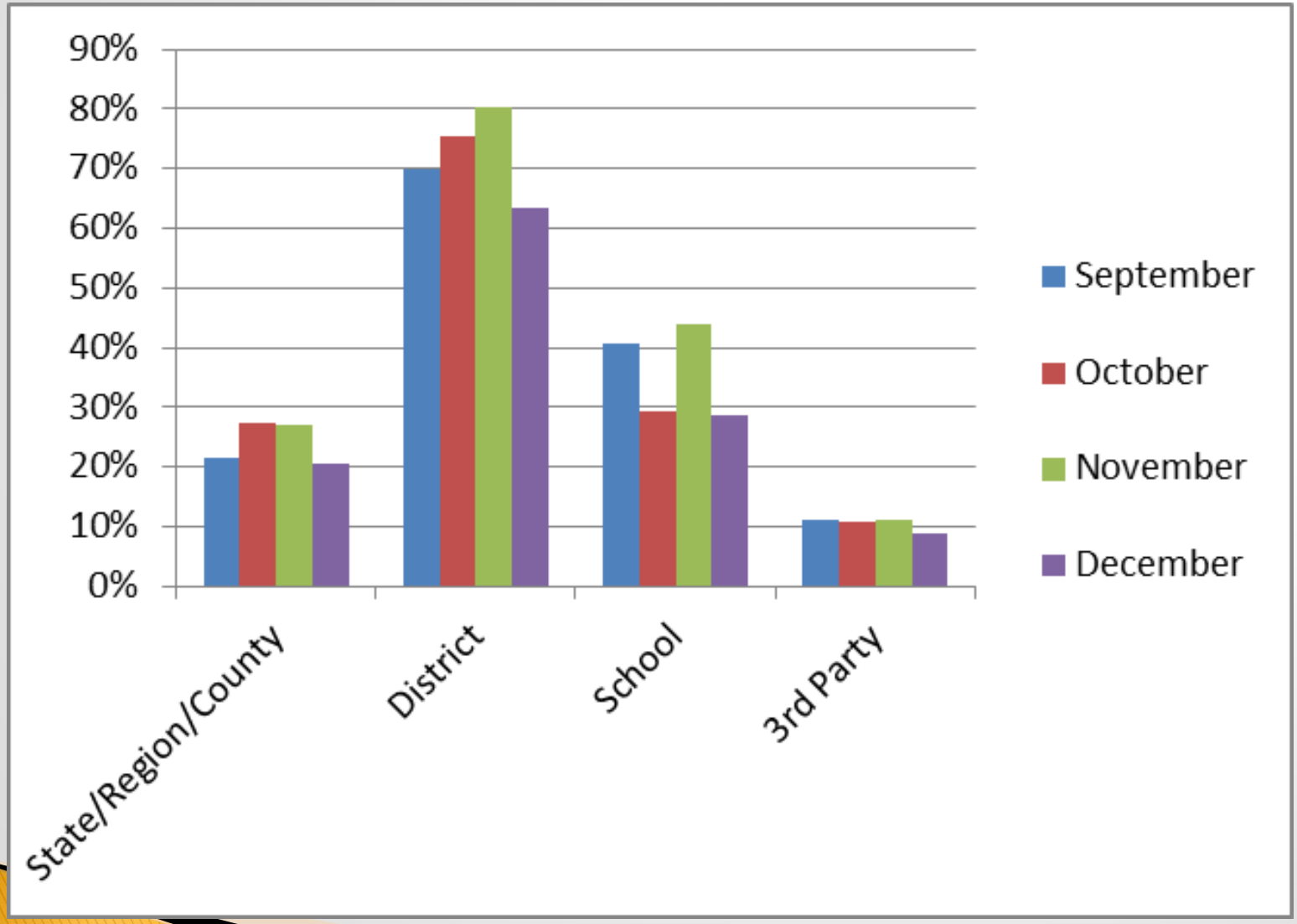
Out of the 20 teachers who commented on the quality of their presenters, 17 were very pleased with both their presenter and the information on AZCCRS they were given. The remaining 3 that were displeased noted that they still found the information they received valuable.

In October, 225 teachers reported having received implementation training. Of those, 145 teachers provided further details. There were 183 references to specific materials and activities.

Teachers who were able to modify their lessons plans during the training session and have something “real” to walk away with were the most pleased.

Teachers were generally pleased with the binders full of information on how to “unwrap” the Standards and implement them in their own classrooms. They also considered “close reading” sessions and hands-on activities to be particularly beneficial.

Deliverer of Training



Communications Update

- Facebook
  - 18,967 likes
    - 131 “talking about us” (daily average)
    - 22,622 “reach”
- Twitter
  - 666 followers
- Newsletter
  - 937 subscribers (Feel free to forward and share!)
- Adding Pinterest and Google+
- Have growth targets for each

  - Details plus December newsletter in your packet

Post of the Month

- 107 users engaged
- 4 shares
- 15,936 reached

Arizona Ready shared a link.
January 6

Within five years, there will be 2.4 million #STEM job openings, but students are not pursuing these jobs. This article http://nyti.ms/1bCiDfJ focuses on many different options to make math and science more student- friendly. One such option is to consider a more flexible curriculum. How do you think math and science can be made more interesting for students?

Who Says Math Has to Be Boring?
www.nytimes.com

It's time to overhaul the way math and science are taught.