

<b>MISSOURI STATE BOARD OF EDUCATION AGENDA ITEM:</b>		<b>June 2017</b>	
UPDATE ON THE MISSOURI CONNECT & LEARN INITIATIVE			
<b>STATUTORY AUTHORITY:</b>			
Section 161.092, RSMo		<input type="checkbox"/>	Consent Item
		<input type="checkbox"/>	Action Item
		<input checked="" type="checkbox"/>	Report Item
DEPARTMENT GOAL NO. 4:			
The Missouri Department of Elementary and Secondary Education will improve departmental efficiency and operational effectiveness.			
SUMMARY:			
The Department of Elementary and Secondary Education has partnered with the Governor's Office and EducationSuperHighway to launch the Missouri Connect & Learn Initiative. The objective is to support increased access to affordable, high-speed Internet in every classroom in Missouri.			
Representatives from EducationSuperHighway will discuss how their organization supports school districts and charter schools with scalable, cost-effective infrastructure resources that will upgrade the school's broadband network and increase bandwidth to classrooms.			
PRESENTERS:			
Jeff Falter, Chief Data Officer, Office of Data System Management; Michael Turzanski, Director of State Engagements, EducationSuperHighway; and Jenny Lam, State Engagement Manager, EducationSuperHighway, will assist in the presentation and discussion of this agenda item.			



## Missouri Connect & Learn Initiative

June 13, 2017





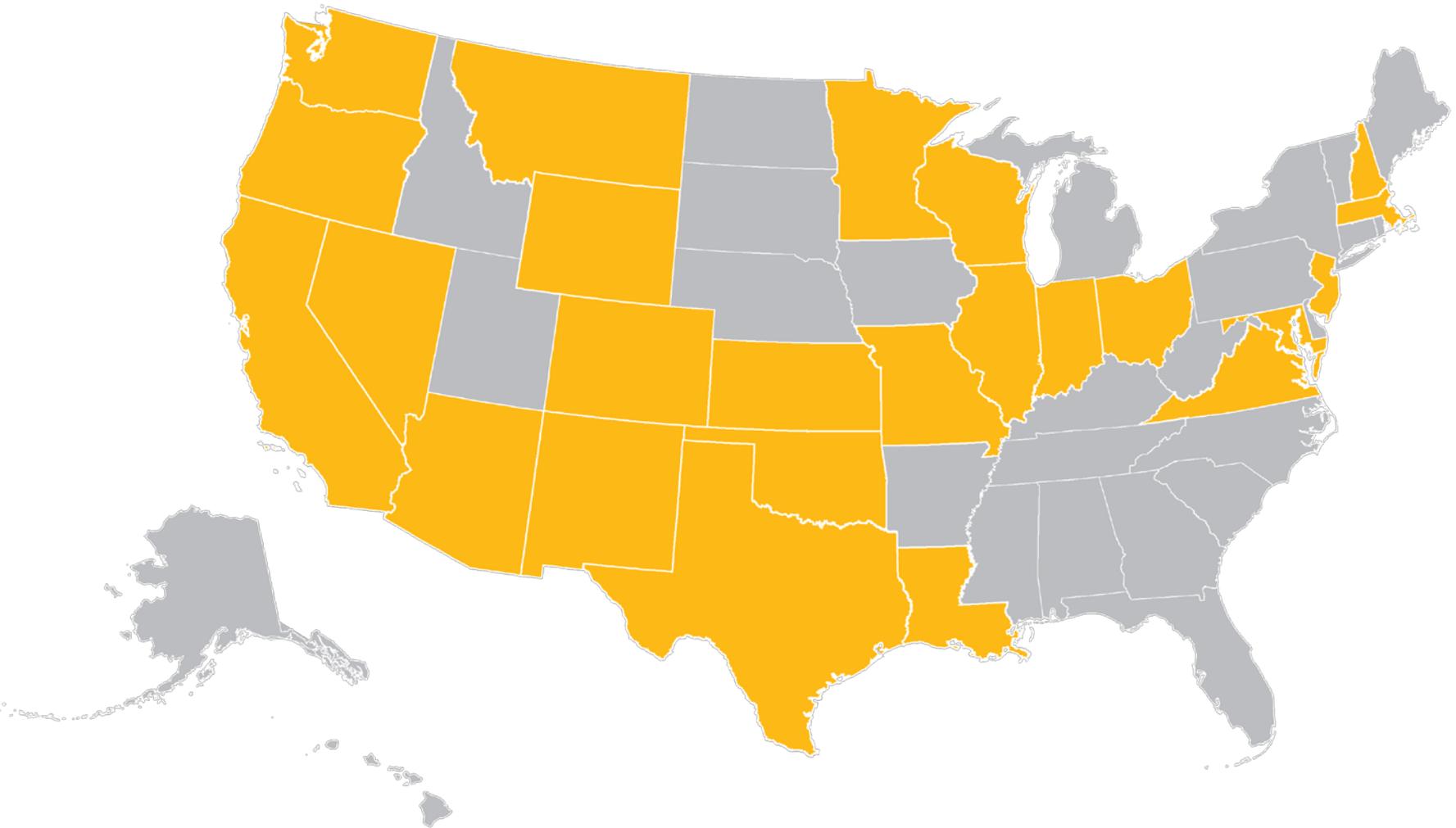
## EducationSuperhighway's mission

Upgrade the Internet access in every public school classroom in America so that all students can take advantage of the promise of digital learning.



# Our progress

## State engagements



We are working with 24 states across the nation to...



Connect all schools to fiber



Find cost-effective broadband options



Implement Wi-Fi in every classroom

# Missouri Connect & Learn Initiative Goals & Progress to Date



Connect all schools to fiber and ensure schools have access to funding & resources for infrastructure upgrades



Secure cost-effective broadband options and ensure all districts have 100 kbps per student Internet Access

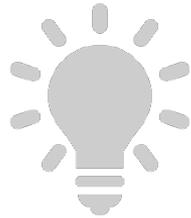
## January- June 2017

- Established partnership between the Office of the Governor, Department of Elementary and Secondary Education, and EducationSuperHighway
- Completed Missouri State of K-12 broadband Connectivity snapshot
- Outreached to school districts with contracts expiring (2017) to offer procurement support and increase bandwidth connectivity
- Governor Greitens, DESE identified funding source to establish State Matching Fund to further optimize FCC funding program for broadband infrastructure. Anticipated passage and implementation beginning Fall 2017

# Digital learning is transforming education



A teacher checks for student understanding and **adjusts lessons in real time** using an instant quizzing application



Students in rural communities now have **access to virtual** classes through online courses



**build a personalized learning experience** for students matching educational activities to individual learning styles



**STEM-based curriculum** ensuring students become well versed with technology including engineering, robotics and coding courses

# School districts not meeting bandwidth goals are dispersed throughout Missouri

## Close the Gap in Missouri

Digital learning requires high-speed connectivity. Help connect Missouri's K-12 students.

### SCHOOL DISTRICTS

#### BELOW 100 kbps / STUDENT **56**

- Issued an RFP (form 470)
- Contracts expiring in 2017

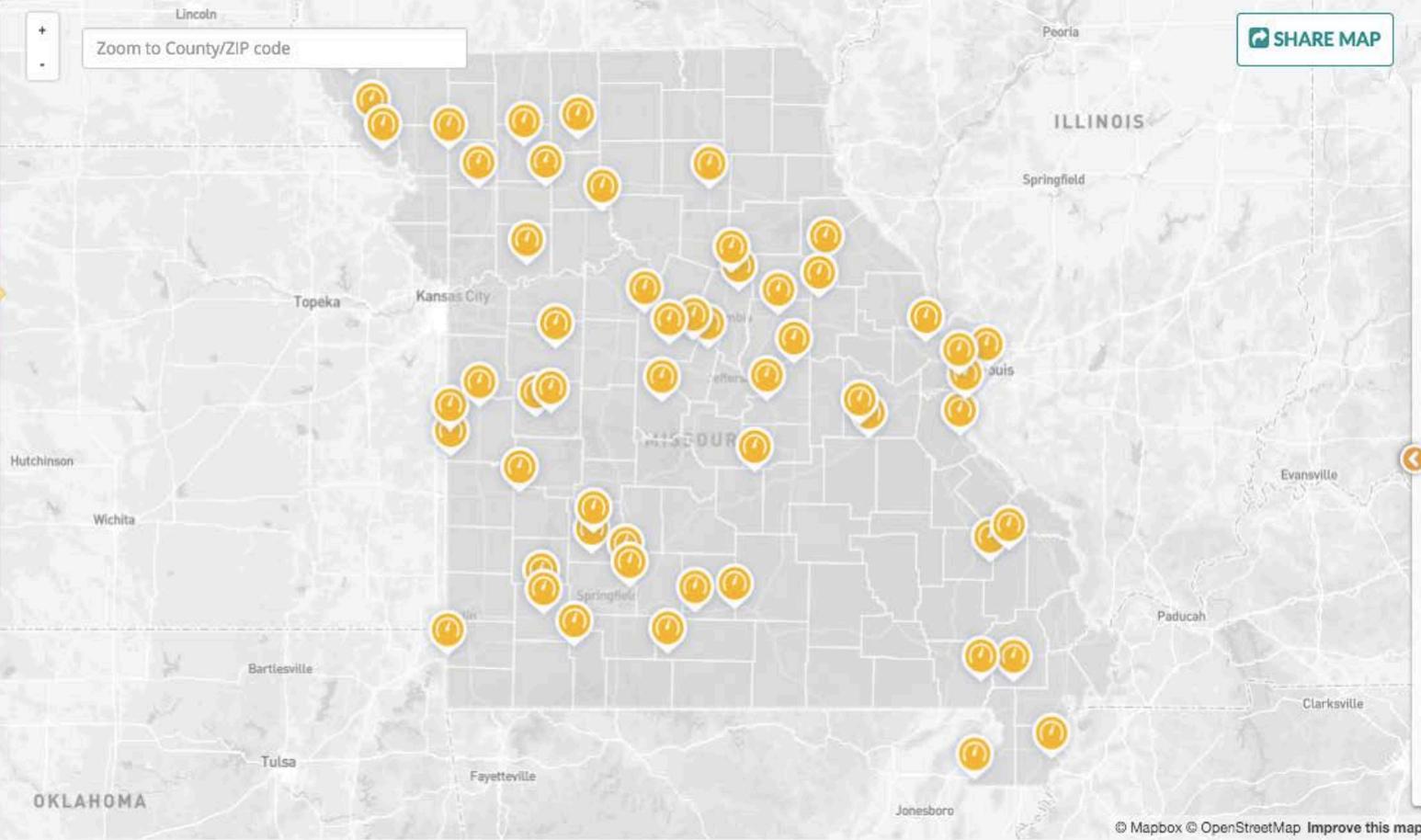
#### ON NON-FIBER CONNECTIONS

#### REPORT INSUFFICIENT WI-FI

#### NEED MORE INFORMATION

[DOWNLOAD MAP DATA \(.CSV\)](#)

[SHARE MAP](#)



# Missouri can close the fiber gap



COMPARE & CONNECT K-12

Missouri

[FAQ](#) | [About the Data](#)

[COMPARE SERVICES](#)

## Close the Gap in Missouri

Digital learning requires high-speed connectivity. Help connect Missouri's K-12 students.

### SCHOOL DISTRICTS

BELOW 100 kbps / STUDENT

ON NON-FIBER CONNECTIONS **23**

- Issued an RFP (form 470)
- Contracts expiring in 2017

REPORT INSUFFICIENT WI-FI

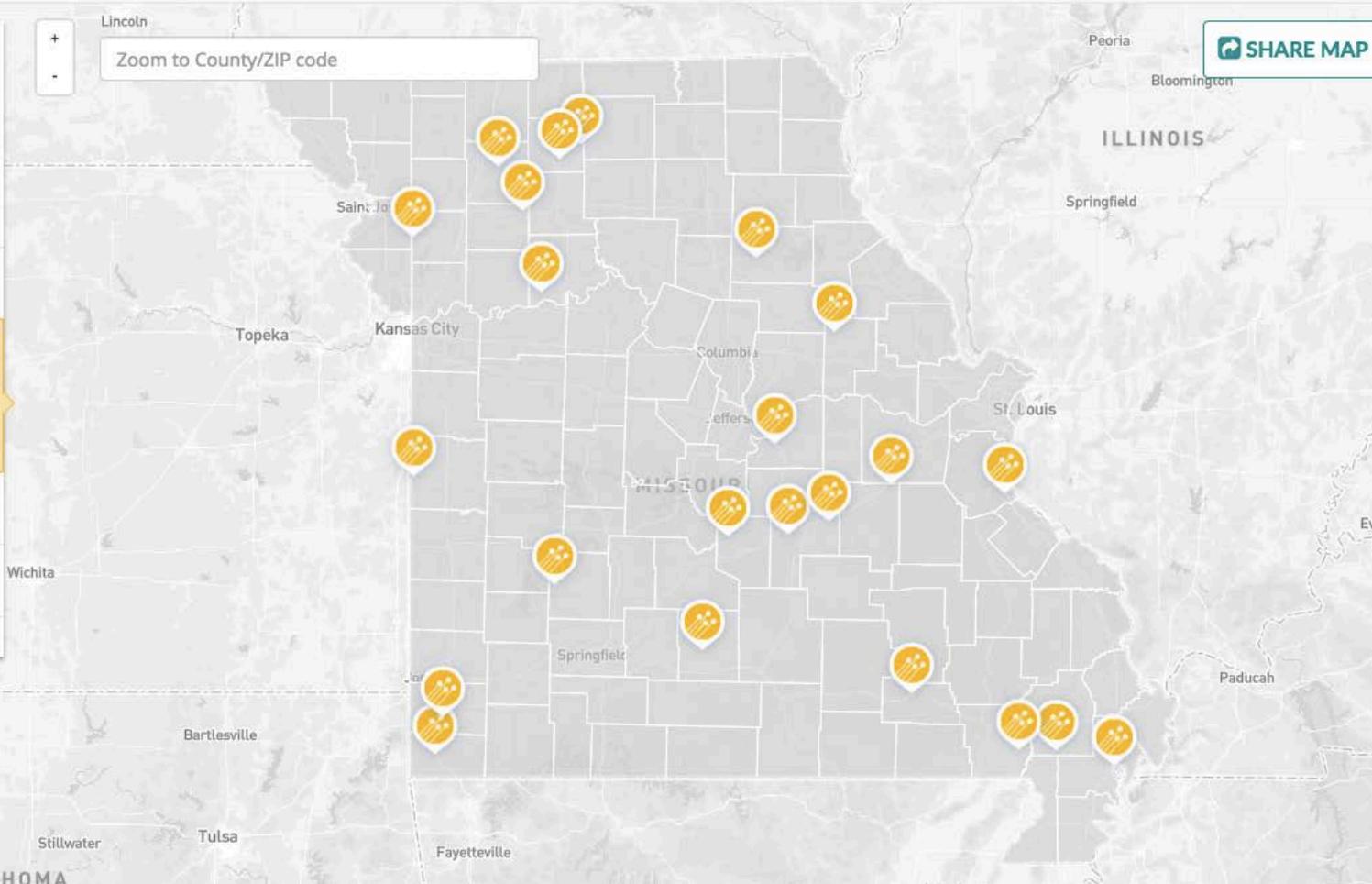
NEED MORE INFORMATION

[DOWNLOAD MAP DATA \(.CSV\)](#)



Lincoln  
Zoom to County/ZIP code

[SHARE MAP](#)



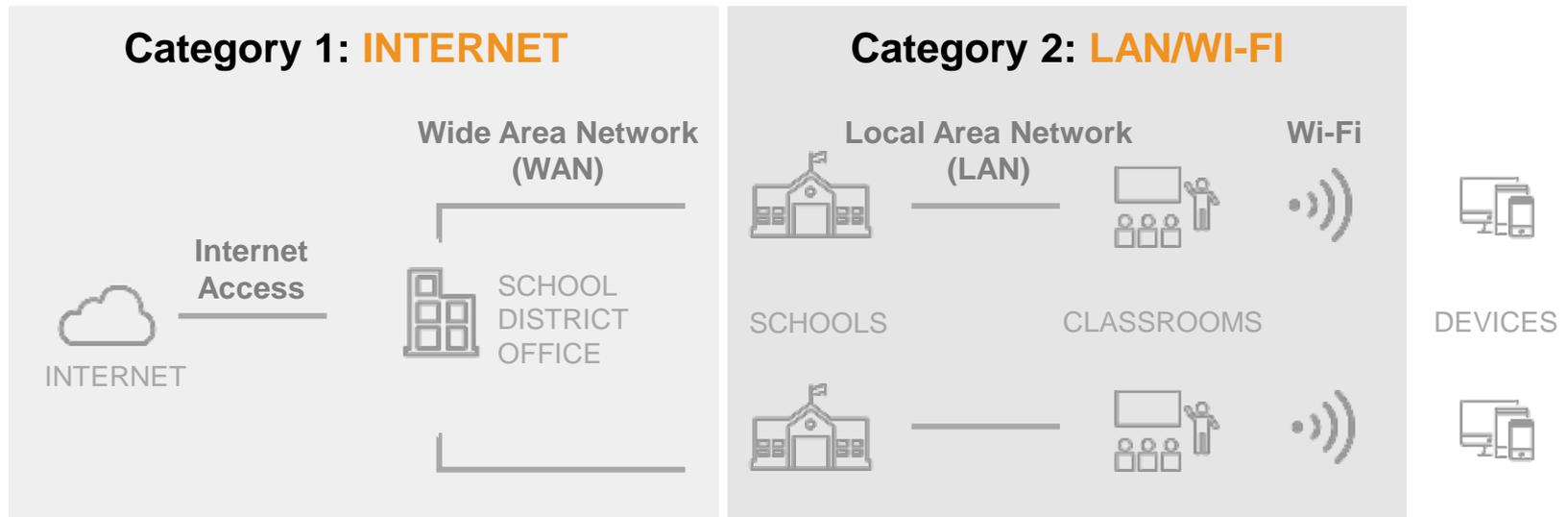
# Funding K-12 broadband connectivity through E-rate

FCC Universal Service Fund

## \$3.9 BILLION ANNUALLY

**Up to 90%** discount on connectivity services

Operated by the Universal Service Administrative Company (USAC) under the FCC



## Missouri Connect & Learn Action Plan

### **1. Optimize E-rate funding by establishing MO Fiber Matching Fund to help districts upgrade their broadband infrastructure**

Develop implementation plan to support Missouri Department of Elementary and Secondary Education to assist with outreach, education, and engagement with school districts.

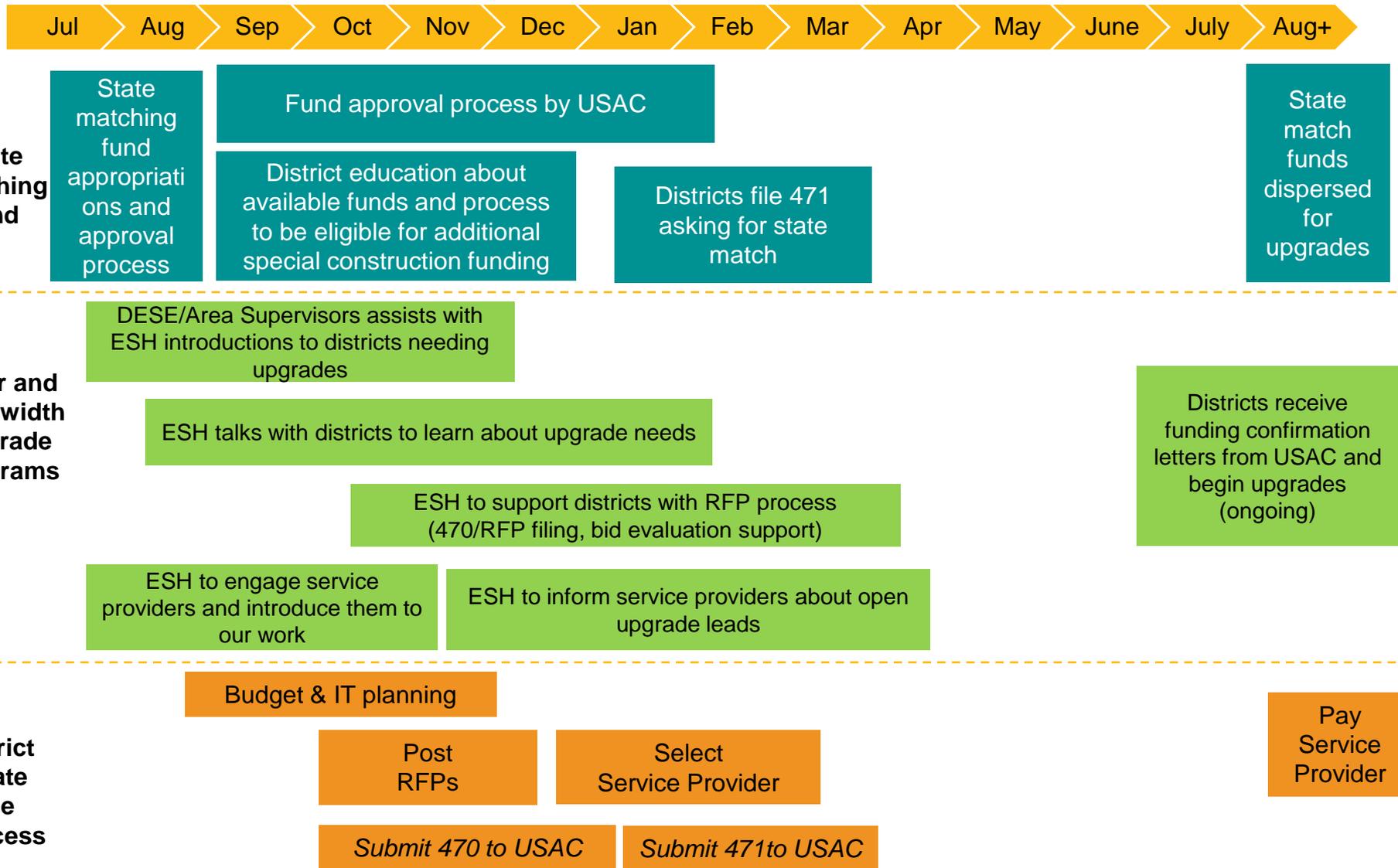
### **2. Initiate fiber program for school districts lacking scalable broadband infrastructure**

EducationSuperHighway to provide technical assistance and project management resources to identified school districts.

### **3. Launch bandwidth upgrade program for districts not meeting the 100kbps/student goal**

EducationSuperHighway to work with Missouri Department of Elementary and Secondary Education to engage with school districts to support broadband needs and upgrade plans.

# Missouri Connect & Learn Timeline: July 2017 – Sept 2018



# Appendix

# State match timing considerations

Jun 2017

Sep 2017

Dec 2017

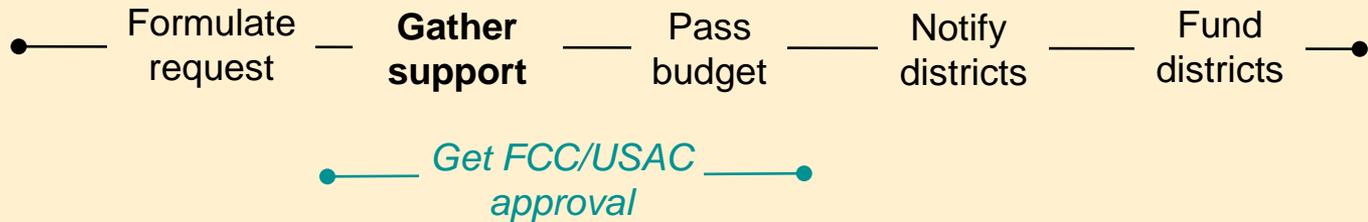
Mar 2018

Jun 2018

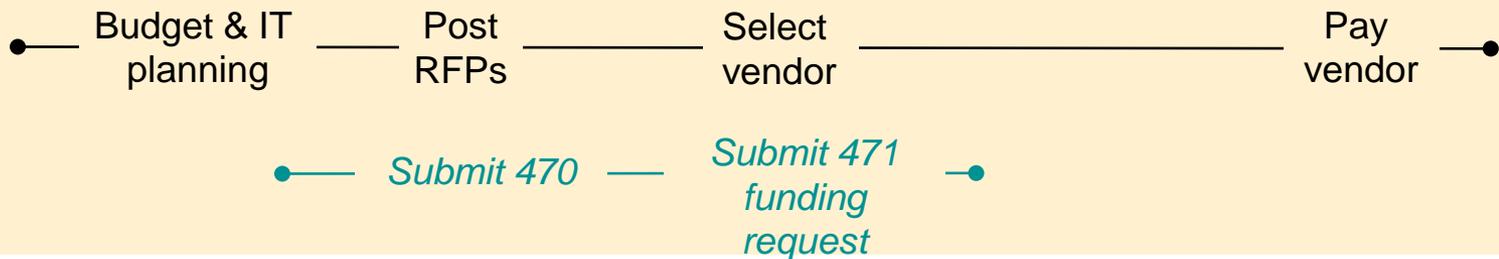
Sep 2018

2016

State



District



USAC / E-rate milestones