# SchoolConnectivity Initiative Update

## Joint Legislative Oversight Committee on Information Technology

## February 6, 2008

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The Friday Institute

NC State University College of Education

THE WILLIAM & IDA
**FRIDAY** INSTITUTE
FOR EDUCATIONAL INNOVATION

# ThankYou!

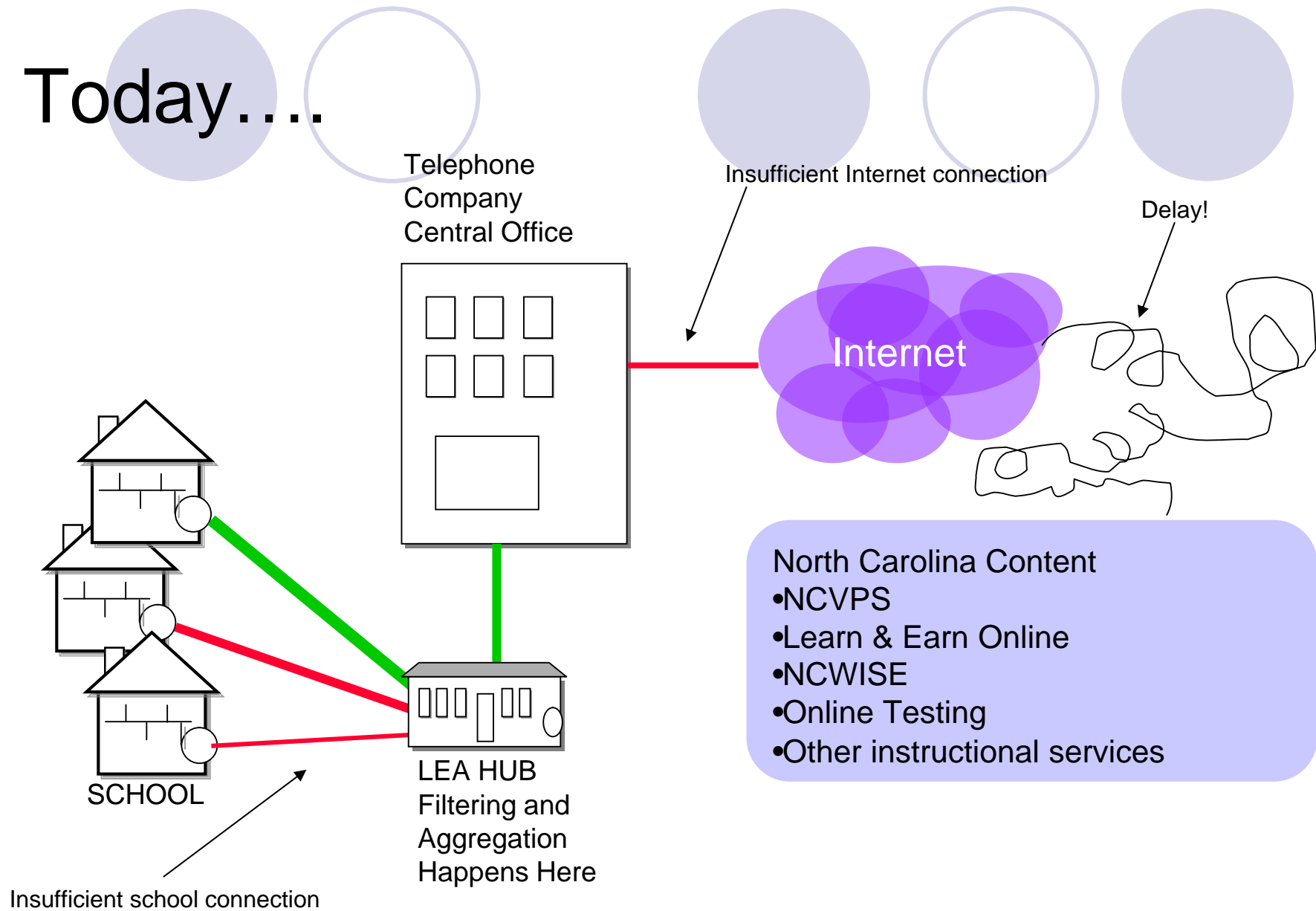**North Carolina House Bill 1473 provides for $12M in recurring funding that…**

*"…shall be used for broadband access, equipment, and support services that create, improve, and sustain equity of access for instructional opportunities for public school students and educators…"* [§§ 7.28.(a)].
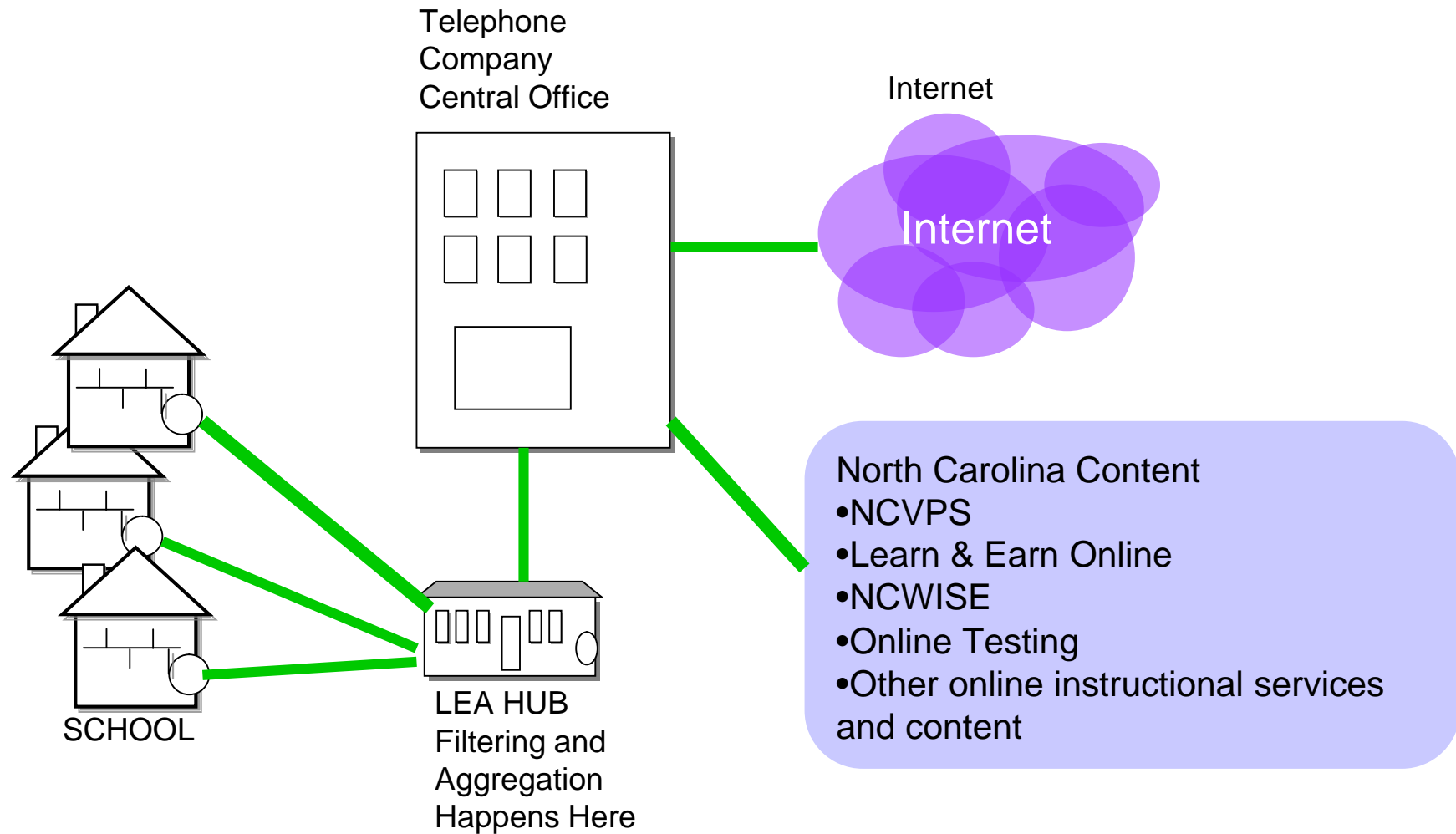
# Whatis Connectivity?

- Connectingsc hools
- ConnectingLEAs
- Connectingto educationaland instructionalcontent and services available on the **Internet**
- Connectingto educationaland instructionalcontent and services **hosted in North Carolina for North Carolina**

# Today….

Telephone
Company
Central Office

Insufficient Internet connection

Delay!

Internet

North Carolina Content
- NCVPS
- Learn & Earn Online
- NCWISE
- Online Testing
- Other instructional services

SCHOOL

LEA HUB
Filtering and
Aggregation
Happens Here

Insufficient school connection

# Towards Equity of Access

Telephone
Company
Central Office

Internet

Internet

North Carolina Content
•NCVPS
•Learn & Earn Online
•NCWISE
•Online Testing
•Other online instructional services
and content

SCHOOL

LEA HUB
Filtering and
Aggregation
Happens Here

# TheEducation Network

Telephone Company Central Office

Internet

Internet

NCREN
NORTH CAROLINA RESEARCH AND EDUCATION NETWORK

SCHOOL

LEA HUB
Filtering and Aggregation Happens Here

North Carolina Content
• NCVPS
• Learn & Earn Online
• NCWISE
• Online Testing
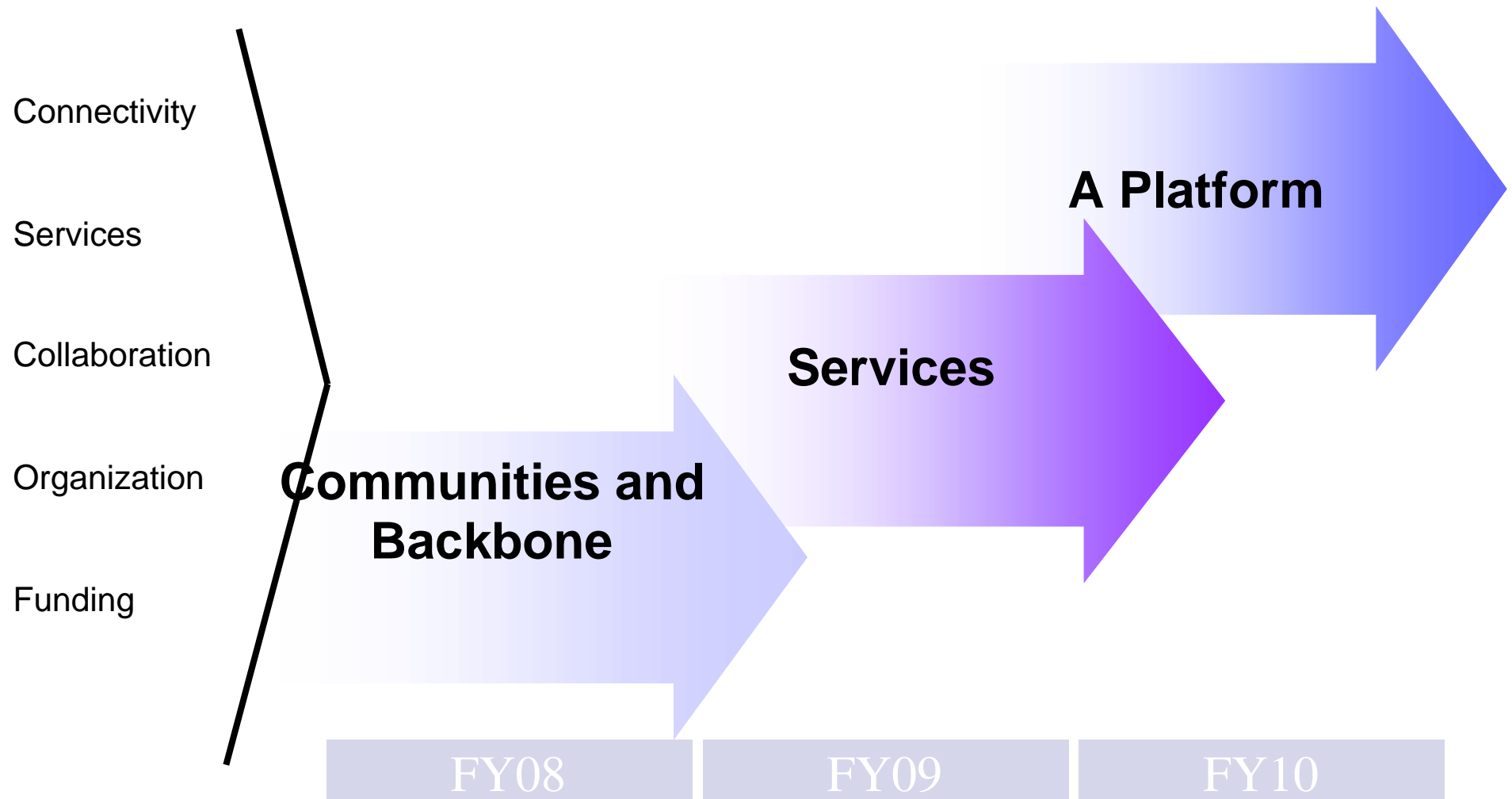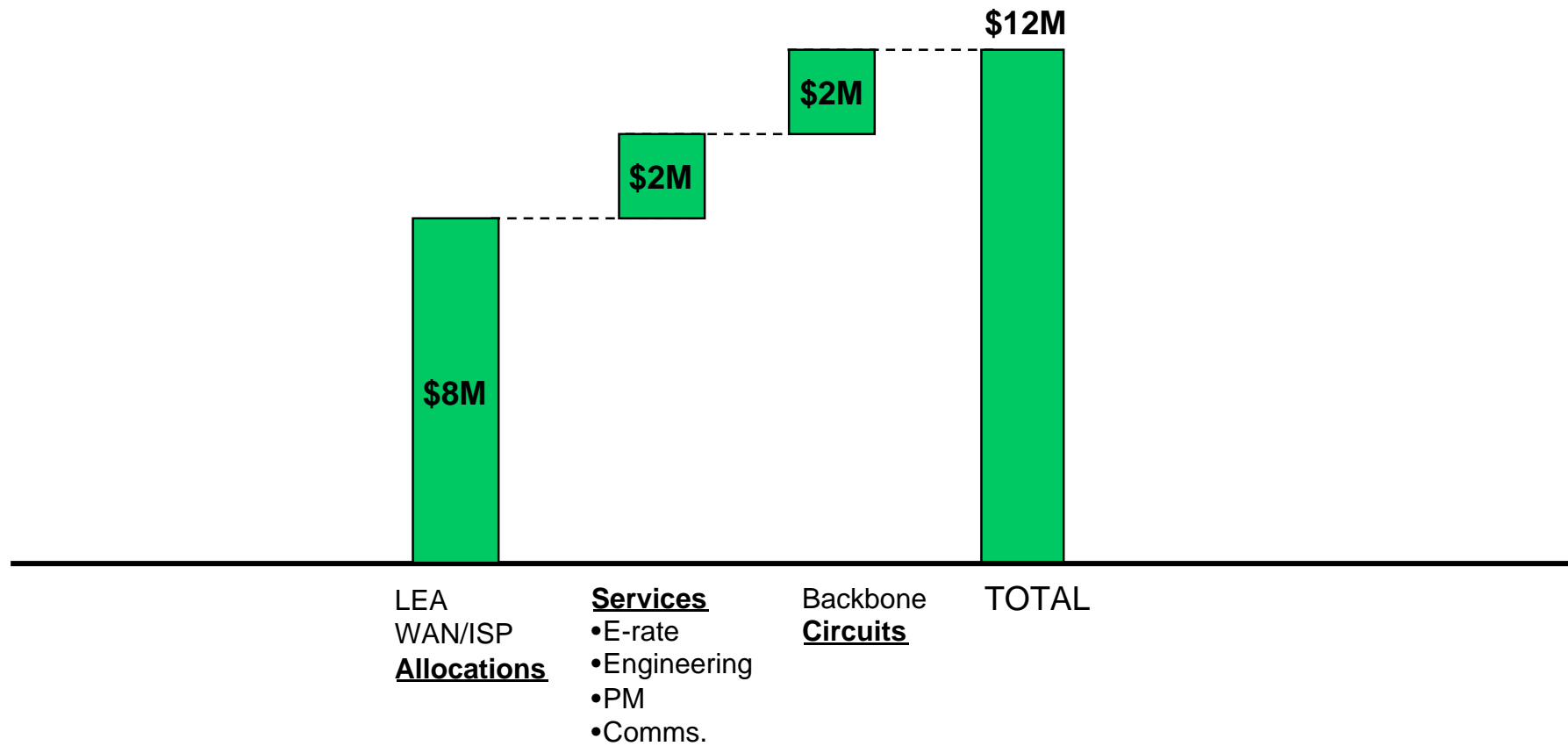• Other online instructional services and content

# CoreRecommendations

- Fund LEA connectivityc osts
- Provide services for sustainability
  - Establish E-rate service center
  - Establish network engineering support center
- Implementa  shared educationbackbone, connectingLEA  networks

# ImplementationRoadmap

Connectivity

Services

Collaboration

Organization

Funding

**Communities and Backbone**

**Services**

**A Platform**

FY08

FY09

FY10

# Funding at a Glance



Waterfall chart:
- LEA WAN/ISP **Allocations**: $8M
- **Services** (•E-rate •Engineering •PM •Comms.): $2M
- Backbone **Circuits**: $2M
- TOTAL: $12M

# Accomplishments

- Signed Memoranda of Understanding
  - With all 115 LEAs
  - Between DPI and ITS
- Contracts
  - The Friday Institute - project management
  - E-rate Central - E-rate services
  - MCNC - backbone operations and engineering
  - AT&T, Embarq, Time Warner Cable - leveraging ITS-negotiated state-contracts
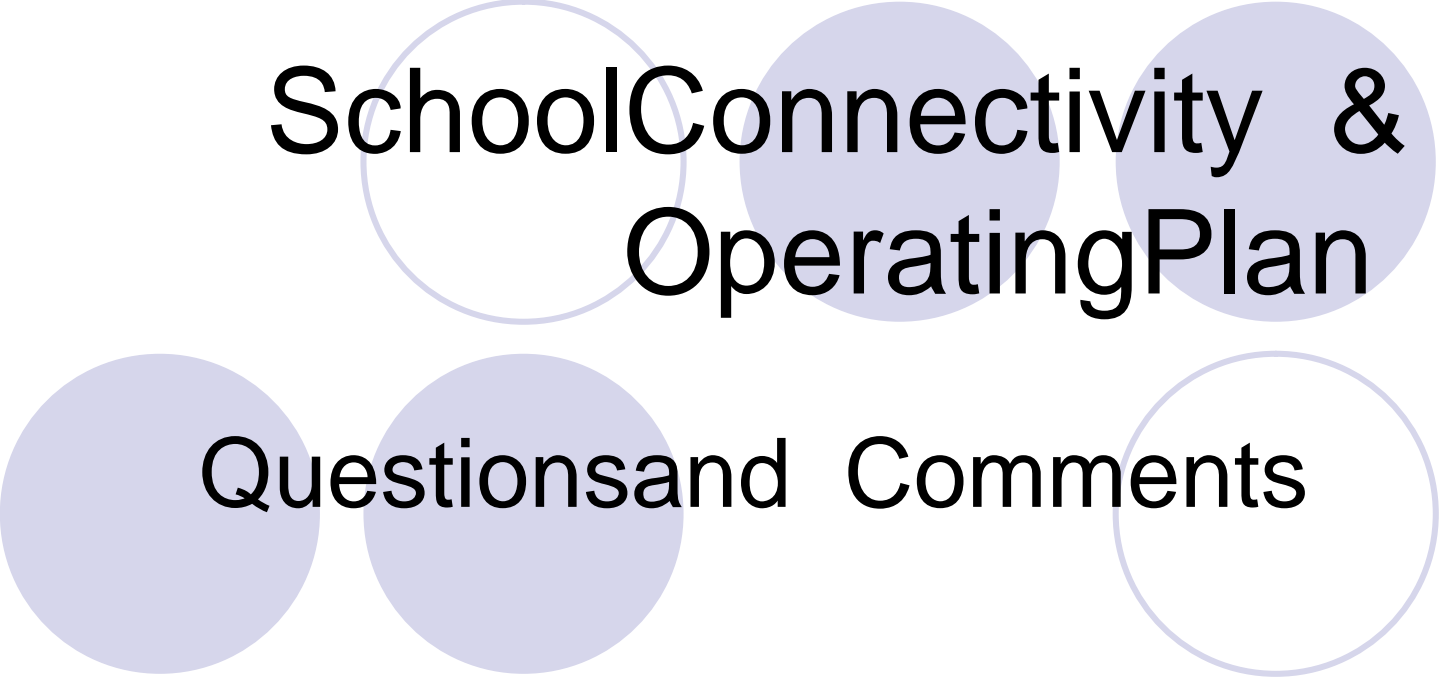
# Accomplishments[2]

- Initiated,funded, and deployeddozens of pilots and upgradesacross the state
- Visited over 40 high priority LEAs
- Filed consortiumE -rate documentsfor connectingall LEAs to the statewide backbone

# Acknowledgements

- Don Smith and Ray Holland
- Dave Furiness and Larry Creglow
- Richard Kelly and Charlie Pittman
- Mark Sorrells and the GLF
- Mark Johnson and Tommy Jacobson and John Killebrew and the rest of the MCNC team
- Joe Freddoso
- ITS – George Bakolia, Billy Willis
- DPI – Peter Asmar, Ed Chase, Et al.
- Everyone that I forgot to mention…

# SchoolConnectivity & OperatingPlan

## Questionsand Comments