



# MCOECN Update

December 2008

# Ohio K-12 Network – It's All Good!

Capacity

- *Increased!*

Redundancy

- *Improved!*

Security

- *Tested!*

Services

- *Added!*

Costs

- *Lowered!*

# Capacity and Utilization

## Utilization

- Up from 550Mb (Feb 2006)
- Now running 2050Mb (Feb 2008)

## Internet Bandwidth

- **New** – Doubled available bandwidth
- **New** – Added Internet2 and peering connections

## Connections

- **New** – Upgraded from 45Mb to Gig-E

# Redundancy & Resiliency

## Internet Connection

- Columbus to Chicago
- ***New*** – Cleveland to NYC

## Rings

- ***New*** – Athens ring is complete
- Optical Equipment has two paths

## Network Security Audit

- Tested security
- Reviewed configurations
- Surveyed ITC skill set
- Report for each ITC & LU

# Services

## Spam Filtering

- Capturing 40M per day (98% of all traffic)

## *New!* – Internet 2

- Unlimited bandwidth usage of I2 services

## *New!* – Disaster Recovery Facility

- Will eventually have 10Gb connectivity to network

## *New!* – High Def Video Bridging

- eTech is now supporting all Ohio gov't and K-20 video

# Costs

## ISP Bandwidth

- Was \$128, then \$45, *now \$30*

## Internet2

- Annual cost for the network (no “per use” costs)
- Offloading 30% to 50% of traditional Internet traffic

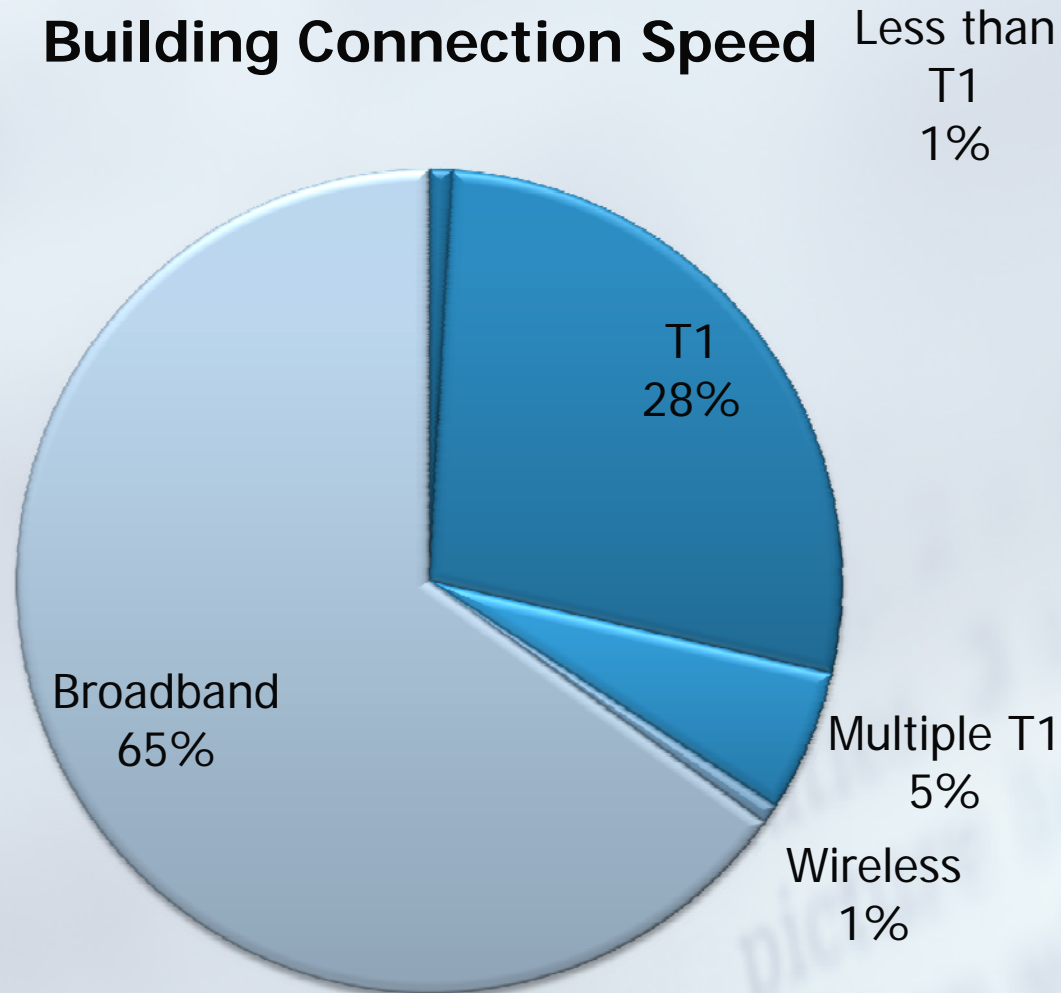
## Rate Limiting

- No limits (costs) for intra-network traffic
- No limits (costs) for I2, OARnet, DAS, or OneCommunity
- Only limited for Internet (traffic via Qwest)

# District Connectivity

## Building Connection Speed

Broadband is defined as wired connections of 10Mb or greater (typically fiber)



# If Not Part of Ohio K-12 Network

## *What do you lose?*

- No Internet2
- No Disaster Recovery
- No SPAM filtering
- No "free" bandwidth to other schools or ITC's
- Paying for all traffic (no free intra-network)
- Security posture unknown

# D3A2 Update

- New items:
  - Revised interface with many improvements
  - New PD Materials and on-line courses
  - Updated web site
  - Working to develop a business plan
  - Developing a Classroom Assessment Module
- Some issues:
  - Delays with development and data availability
  - Overlap and confusions with other tools

# D3A2 Status November 2008

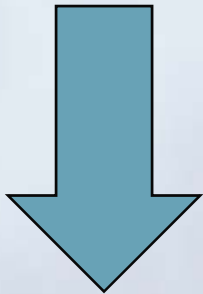
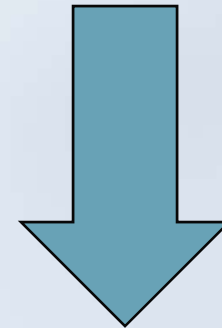
- Version 2.0 of the data tool is on line
- Data scrubbing and loading updated to handle 2008 test results
- 226 districts with data loaded (up from 195)
- New PD materials (expected released December)

# Budget Update

January cut to ODE's budget:

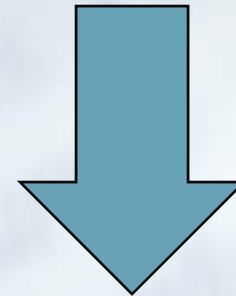
\$51.8M from FY 08 ODE budget

\$49.7M from FY 09 ODE budget



Another \$25.9M (FY 09) in September

Concern of more cuts to come...



# ODE Spending Reductions

The Department of Education was asked to reduce their budget by \$25.9M.

92% of ODE program areas were exempt from the reductions.

Some areas received a larger percentage cut because they were not targeted during the first round of cuts (January 2008).

Line Item	Program	FY 09 Budget	\$ Reduction	% Reduction
200-426	OECN	\$28,975,646	\$1,564,621	5.4%
200-446	EMIS	\$16,202,475	\$ 581,340	3.59%

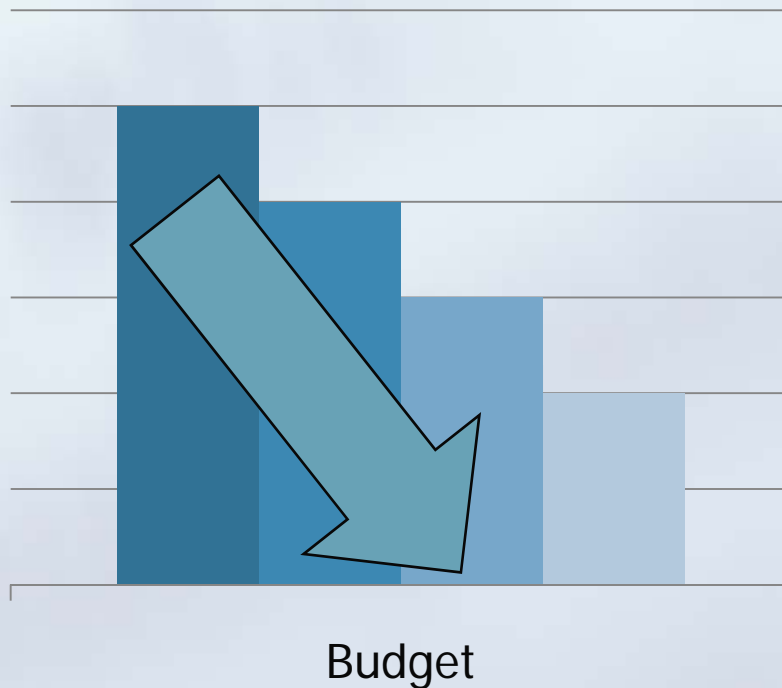
# Impact on OEEN Programs

Program	Original FY 09	\$ Cut	% Cut
INFOhio	\$ 2,469,223	\$305,566	12.37%
Building Connectivity	\$16,666,140	\$791,642	4.75%
OEEN ITC Subsidy	\$ 8,338,468	\$396,077	4.75%
SSDT Contract	\$ 1,501,801,	\$71,336	4.75%
EMIS District Subsidy	\$ 8,267,235	\$392,694	4.75%
EMIS ITC Subsidy	\$ 1,340,348	\$ 63,667	4.75%
EMIS Data Exchange	\$ 6,594,892	\$124,979	1.90%

# Impact on INFOhio

- INFOhio's share appeared more severe because the program was held harmless for earlier cuts.
- In response INFOhio planned to cut SIRS Discoverer.
- The eTech Ohio Commission has provided a one-time grant to INFOhio.
- This grant will enable INFOhio to maintain their current menu of electronic resources.

# Impact on FY 10 and FY 11?



Departments were instructed to submit budgets that are were 95% or 90% of FY 09 budget levels.

But which budget?  
**The original FY 09 budget or budget after cuts... and which cut???**

# More Cuts are Probable

From OBM Director J. Pari Sabety:

- "90% of the reduced FY 09 appropriations is the most optimistic funding scenario for FY 10-11."
- "Will probably see additional reductions this fiscal year."

Source: *Columbus Dispatch*, Thursday November 20, 2008

# State Board Request

- State Board has developed three requests:
  - 90% budget
  - 95% budget
  - "Flat Plus" budget
- In the Flat-Plus budget the State Board has requested a 3% increase for most OECON program areas in each year of the biennium.

# Budget Process

- Departments submit requests to OBM
- OBM develops recommendations
- Governor's Budget (D)
- Then to the House (D)
- Then to the Senate (R)
- Then to conference committee
- Then back to the Governor for signature

# How will ODE's request be received?



...We'll see changes  
by June 2009

# Education: Political Drivers



# Educational Governor

- Governor Strickland has promised to delivery a plan to “fix” the school funding issue by spring 2009.
- He has been conducting numerous data gathering sessions around the state.
- No firm details yet... Might be released with his budget.

# New State Superintendent

- Dr. Zelman retired on October 31<sup>st</sup>
- Board has selected Deborah S. Delisle to be the next State Superintendent
  - Formerly Superintendent of Cleveland Heights-University Heights School District
  - Official start December 1<sup>st</sup>.
  - Interesting to note that she actually took a cut in her total compensation to take this job.

# State Board Changes

- The State Board will change significantly following the recent election.
- The State Board consists of 19 members, eight of which are appointed by the Governor.
- Of the 11 elected members, six are new to the board.

# Strong Chancellor

Chancellor Fingerhut has been given the challenge of reshaping higher education and formulating a new P-16 initiative for Ohio.

Areas that intersect with the OECN:

- Board of Regents
- Ohio Learning Network
- OARnet
- OhioLINK
- eTech Ohio

# Looking at Everything

- Looking to make broad changes
  - What is the best delivery system?
  - Where can we eliminate duplication?
  - How can we save \$\$\$?
  - Where can we absorb other \$\$ resources?
- Not just higher education
  - eTech Ohio
  - OECN
  - DAS/OIT



# We have some concerns

- Combine INFOhio and OhioLINK
  - *Are these really the same?*
- ITC's provide networking support
  - *What about fiscal, student services, INFOhio, EMIS?*
- New cooperative purchasing
  - *Where does this leave the TSG?*
- Creating the Pre-K to 20 vision
  - *Where is the K-12 representation?*

# We do see some benefits

eTech Ohio is assuming the video operations for higher education and state government

*Reduce duplication and increasing customer service...*

Some talk of having ITC's provide connectivity and support outside of K-12

*Potential for new customers and additional revenue...*

# Challenges? Or Opportunities?

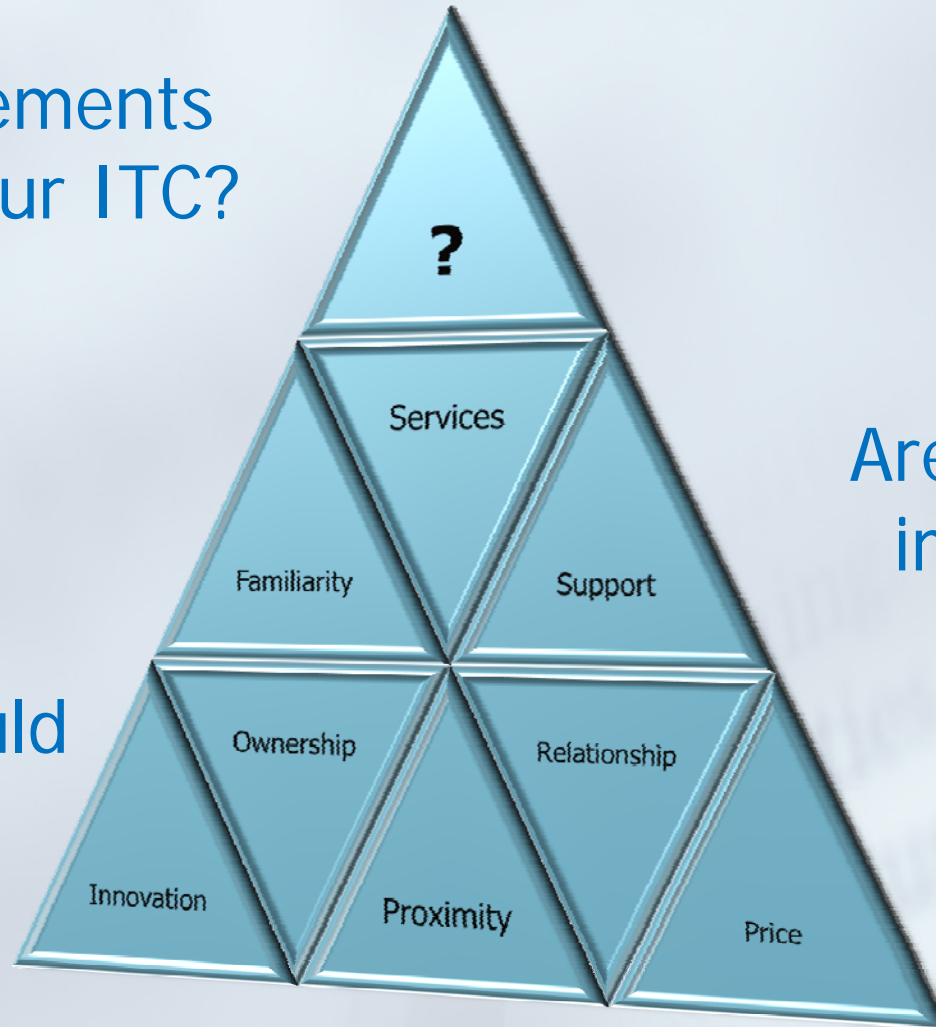
## OECD Strategic Planning Discussion

- Pressures from budget, politics
- Evolving needs of our customer-owners
- Desire to improve our operational efficiency



# What Defines an ITC?

What elements define your ITC?



Are any more important?

Any you could let go?

# Change the OECN Delivery Model?

More "Support" Centers

Twenty-three ITC's

Centers of Excellence  
& Brokered Services

Regional  
Centers

One ITC

Any  
Advantages?

Any  
Disadvantages?

# Strategic Planning Status

- Facilitated a meeting with ITC Directors.
- Facilitated a meeting of a new “Visionary Committee” made up of Directors and Superintendents.
- Looking at issues and ideas to develop potential operational and strategic directives.

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