

Agenda Item #:

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

Meeting Date: August 30, 2011

[] Public Hearing

[] Consent [] Regular [X] Workshop

Submitted by: Information Systems Services

I. EXECUTIVE BRIEF

Title: Overview of Palm Beach County's fiber-optic network, including community collaboration projects and a proposed new rate structure for external customers.

Summary: This workshop will provide the Board an overview of the expanded role of the County's fiber-optic network in serving both County and non-County agencies, including the County's role in community projects sponsored by the Palm Beach Broadband Collaborative. Additionally, staff will preview proposed changes in the rate structure for network services provided to external customers.

Background and Policy Issues: Since the early 1990's, Palm Beach County has invested in the construction and maintenance of a high speed broadband network to serve county government. From its inception as a local area network linking the Governmental Center to the main courthouse, the network has grown to more than 340 miles of County-owned fiberoptic cable serving 6,000 employees at 321 different sites. The County network handles voice, video and data applications, and is an essential tool for providing employees access to their business applications and the Internet. The network serves all Board departments and constitutional officers, except for the Sheriff's Office which maintains a separate network leased from AT&T.

Beginning with the School District in 2006, there has been an increasing level of interest on the part of various external agencies to connect to the County's network. The primary incentive for collaborating with the County is the offer of low-priced Internet service and access to disaster recovery facilities. Commodity pricing for Internet services is available through Palm Beach County's direct connection to the Florida LambdaRail ("FLR"), which is a statewide fiber-optic network operated by a not-for-profit corporation established by the major universities in the State University System. In 2007, Palm Beach County became the first local government in Florida to connect to the Florida LambdaRail through an agreement which allows the County to resell FLR services. As a "aggregator" of FLR services, Palm Beach County is able to pass on Internet service cost savings, to other public sector organizations.

(Continued on page 3...)

Attachments

- 1. PowerPoint Presentation Slides
- 2. List of Existing Agreements with External (Non-County Government) Agencies

Recommended by:	Steve Bordelon	aug. 15, 2011	
. <u>.</u>	Department Director	Date	
Approved by:	County Administrator	Phyli Date	

I. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact

Fiscal Years	2011	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
Capital Expenditures Operating Costs				<u> </u>		
External Revenues Program Inc (County) In-Kind Match (County)						
NET FISCAL IMPACT	R <u>aansaataan s</u>				<u></u>	
# Additional FTE Positions (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
Is Item Included in Current Budget	١	(es	No			
Budget Acct Number(s): Fund Dept Unit Object						

B. Recommended Sources of Funds / Summary of Fiscal Impact

Court Information Technology Fund Justice Information System Maintenance

C. Department Fiscal Review:

A Kasa 2 2/10/11

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. & Control Comments:

torney

The fiscal impact is indeterminable at this time. Contract Administration OFMB 2/14 B. Legal Sufficiency 8/1/

C: Other Department Review:

Assistant County

Department Director

THIS SUMMARY IS NOT TO BE USED AS A BASIS FOR PAYMENT.

Page Two

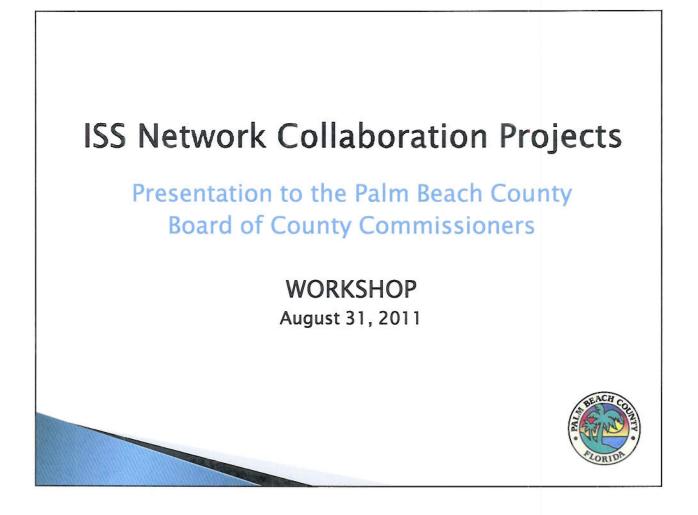
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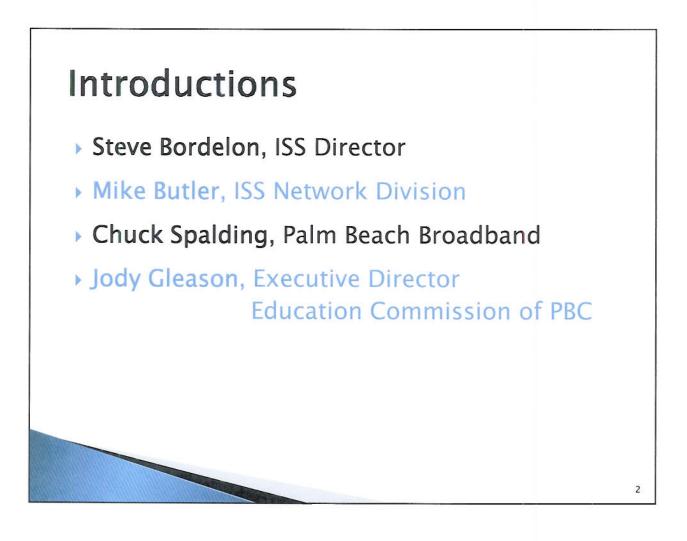
Palm Beach County's broadband network resources, including both fiber-optic and wireless capabilities, are powerful economic enablers. The County network's interconnection with the Florida LambdaRail provides access to Internet2 (a separate internet community restricted to education and research purposes), significantly lowers the cost of Internet service and provides statewide connectivity for disaster recovery programs.

To promote the concept of shared services in the public sector, Information Systems Services (ISS) has sponsored several "IT Partnering" seminars which have been well attended by representatives of municipalities, education, health care, and non-profit organizations. These contacts have led to numerous agreements for the County to provide network services to outside agencies with all parties benefiting – the customer agencies receive increased network bandwidth at wholesale rates; Palm Beach County receives revenues under this cost sharing agreement; and overall costs to the taxpayers are reduced from this expanded use of the public network.

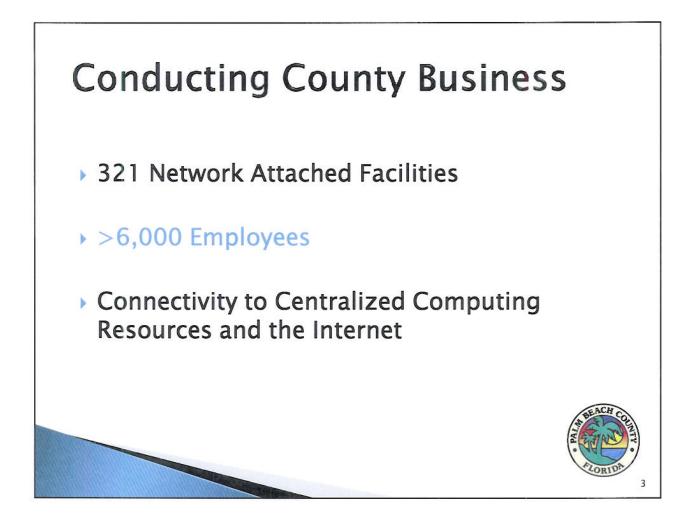
Our collaboration initiatives include membership in Palm Beach Broadband, and have led to the County's participation in several community projects which support education and economic development. These include the Pleasant City "Digital Divide" project in West Palm Beach, WiFi service for the Everglades Youth Camp in the J.W. Corbett Wildlife Area, and extending County network services to the FAU campus in Jupiter thereby enabling Scripps and Max Planck Florida Institute to access the Florida LambdaRail. Additionally, the County is partnering with Habitat for Humanity in a first-of-its-kind pilot project to provide wireless Internet services for families in neighborhood projects located in Jupiter and Riviera Beach.

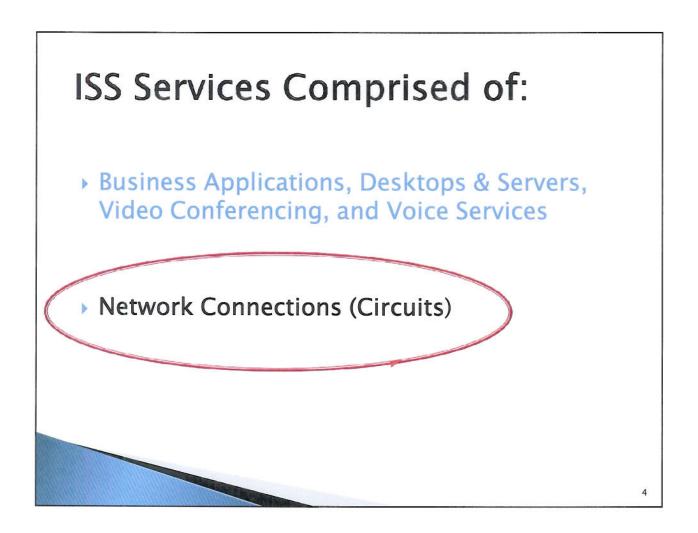
As shown in the attached PowerPoint slides, our workshop discussion will focus on the County's network resources and projects, and will hopefully provide the Board with a better understanding of our directions within County government and the community at large. Numerous shared services agreements have been established, each having been approved as consent items on the Board's meeting agenda. However, a "big picture" overview of our various initiatives has not been presented to the Board of County Commissioners. This presentation will also fulfill a commitment that ISS made in response to an internal audit recommendation that such an overview be provided to the Board of County Commissioners.

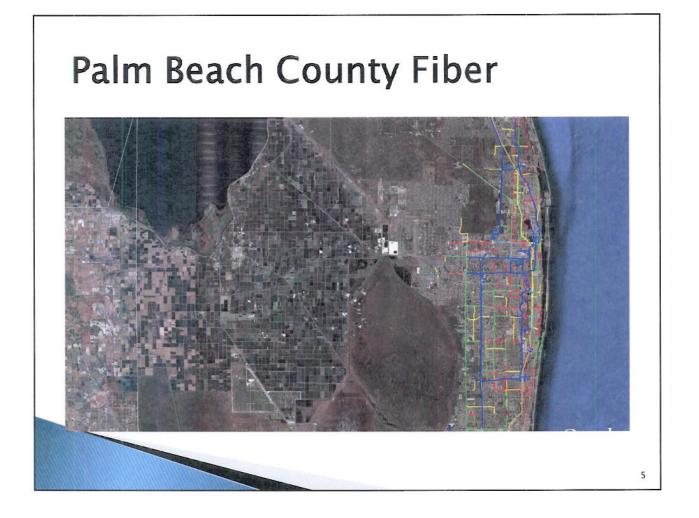


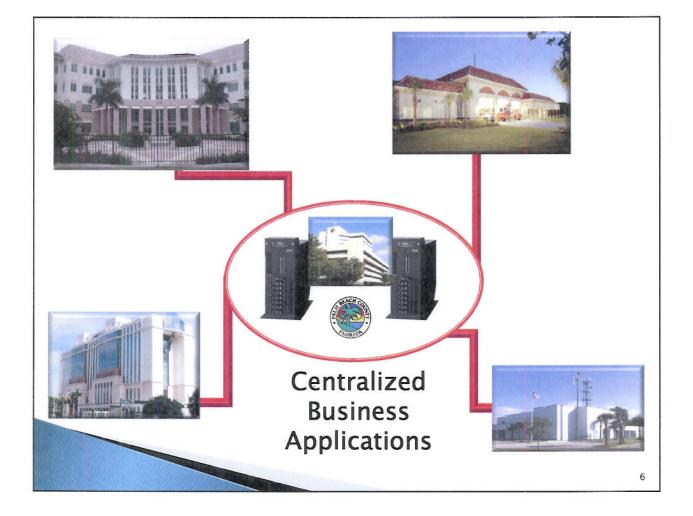


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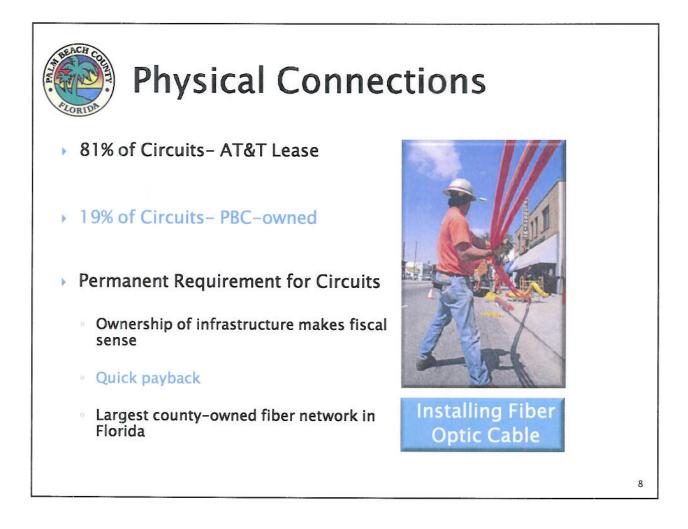




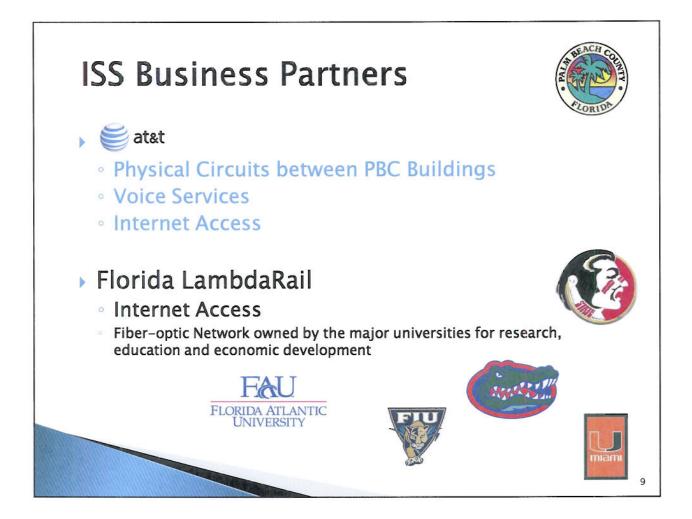


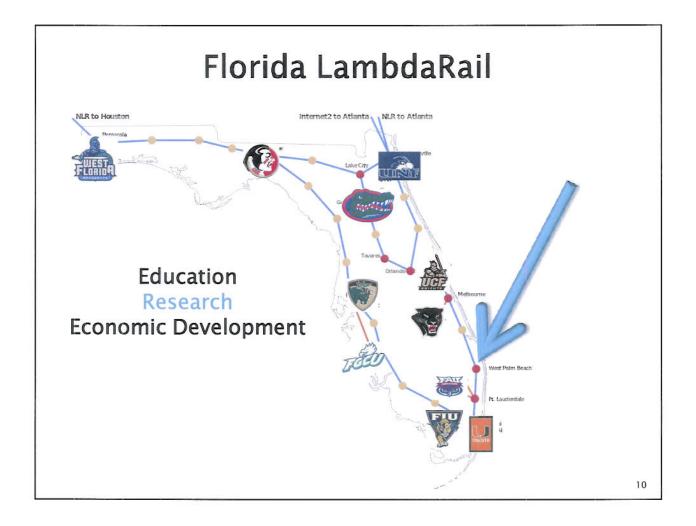


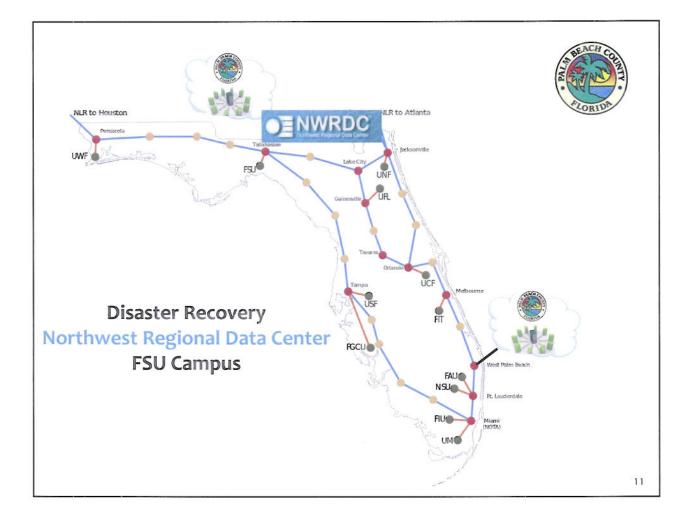


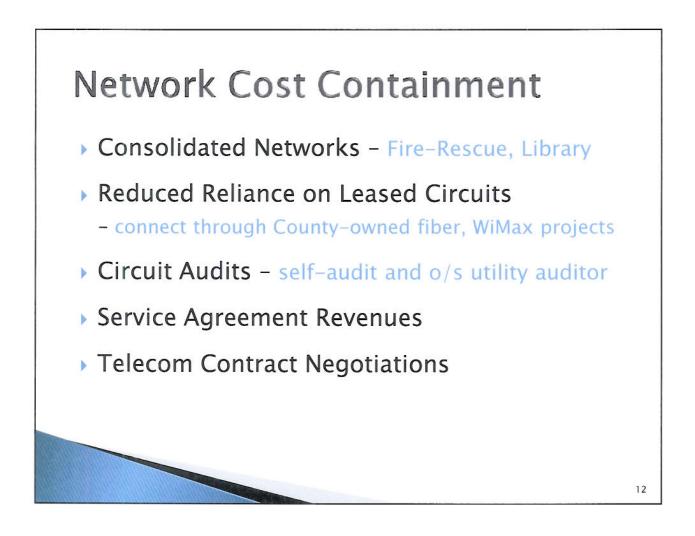


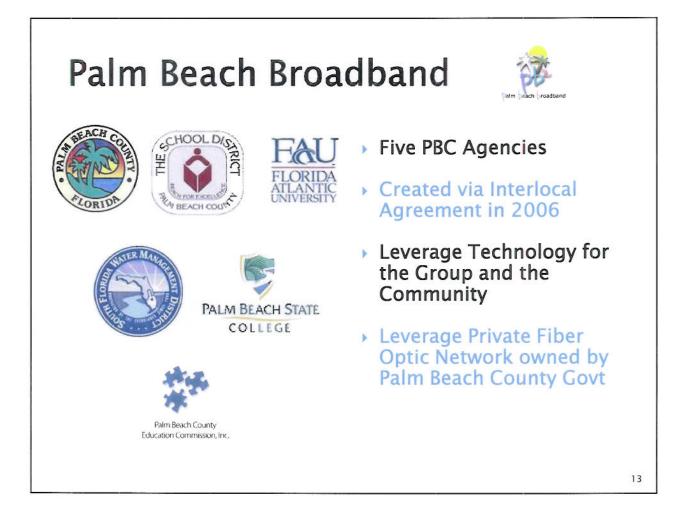
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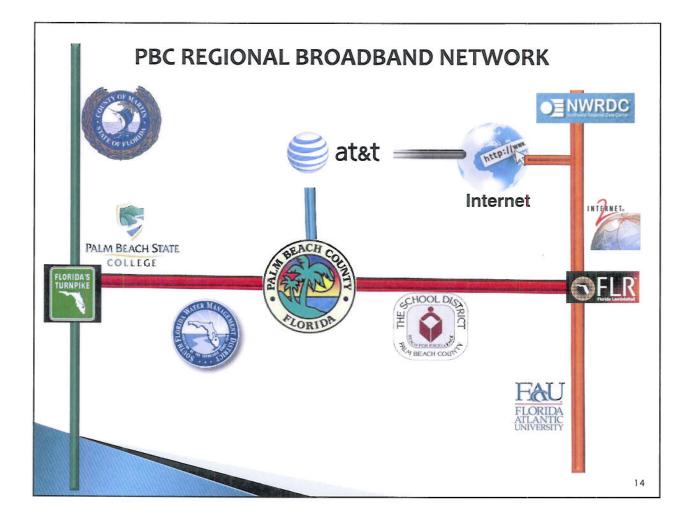


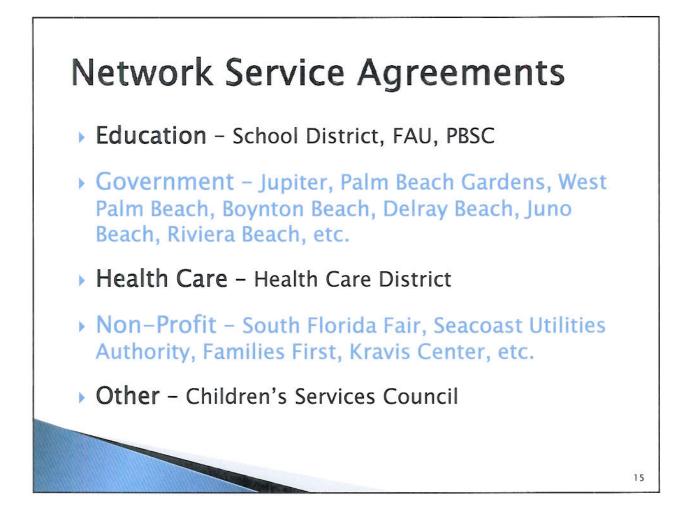


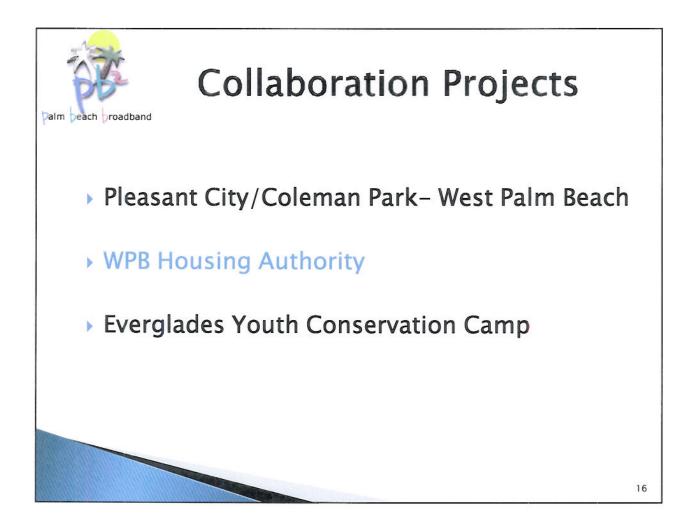


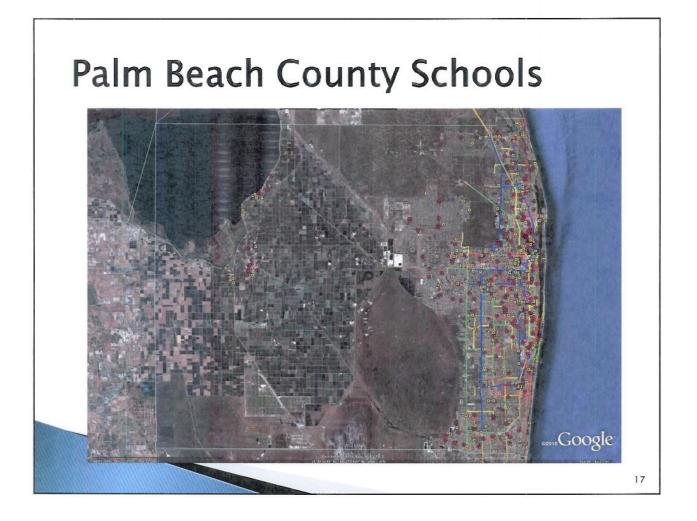


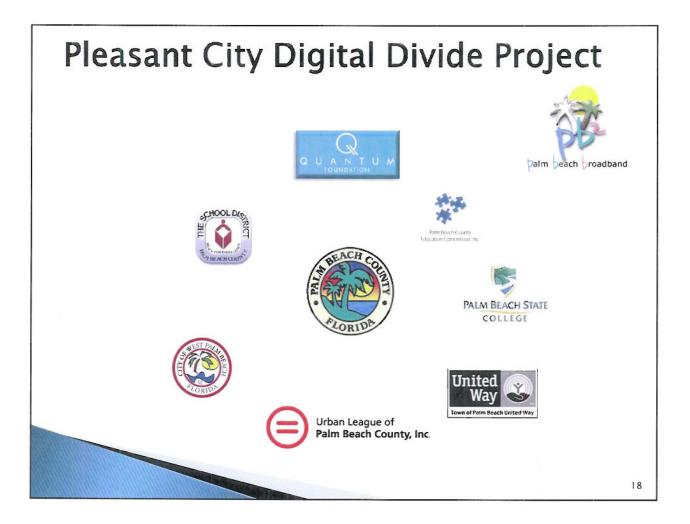


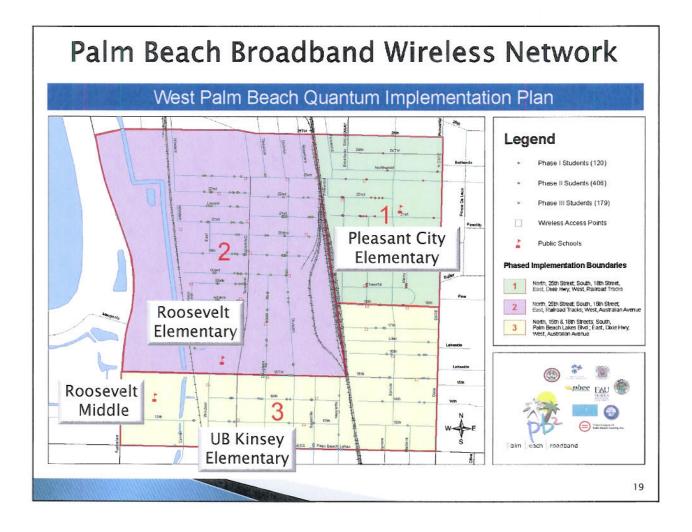










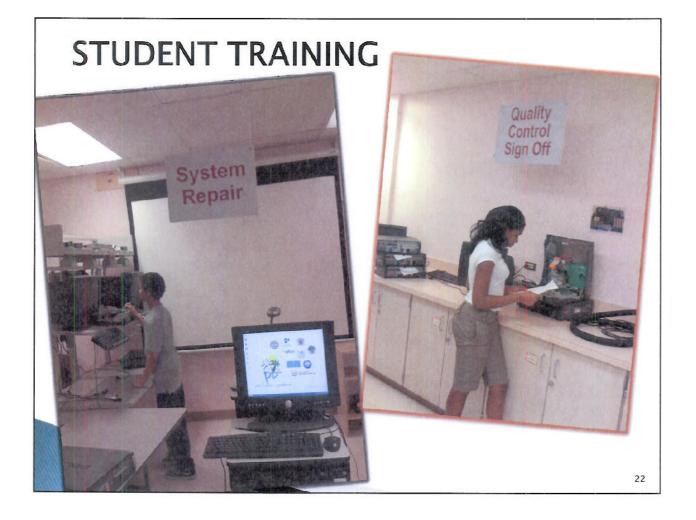


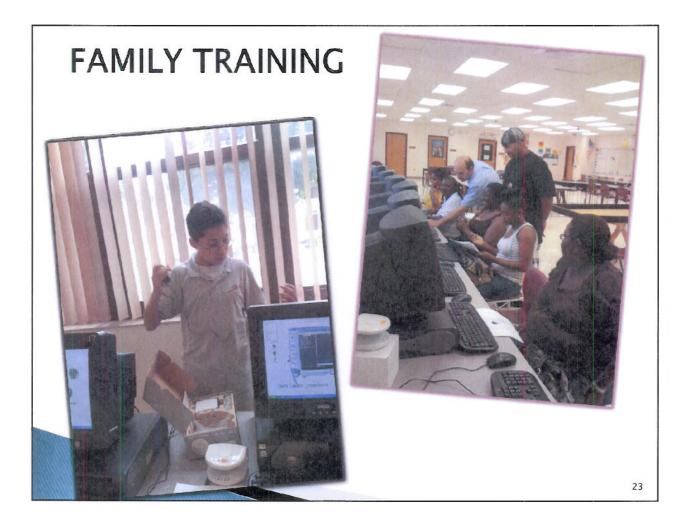


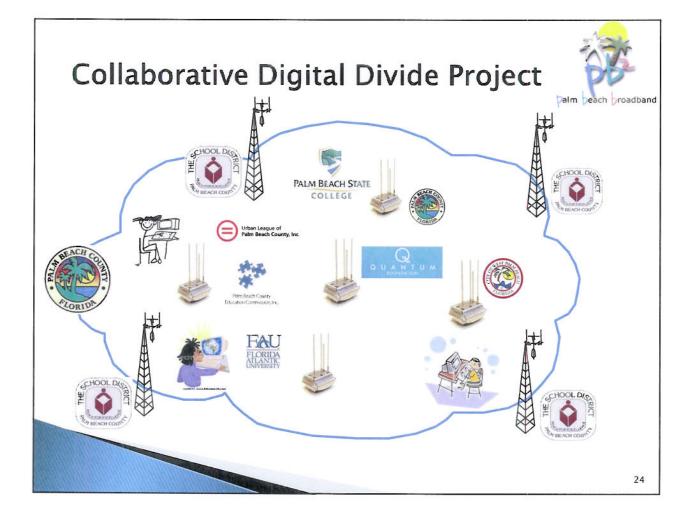


DIGITAL DIVIDE Refurbishment Lab

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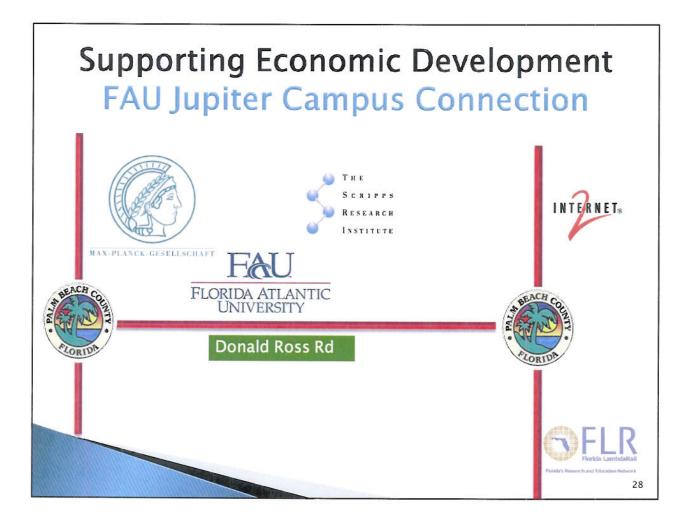


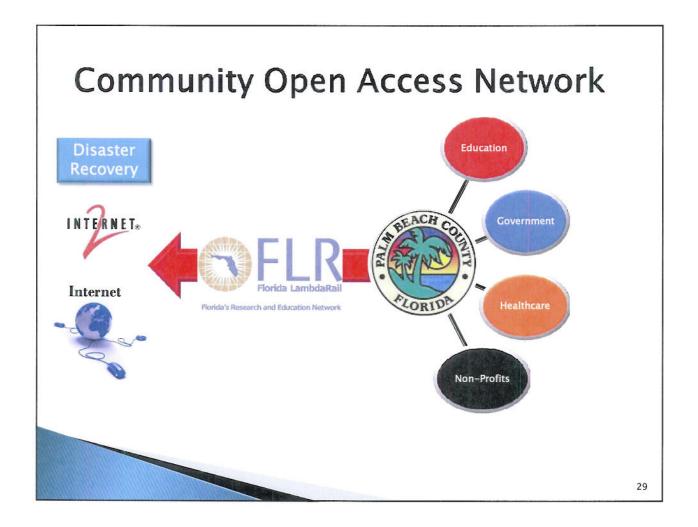


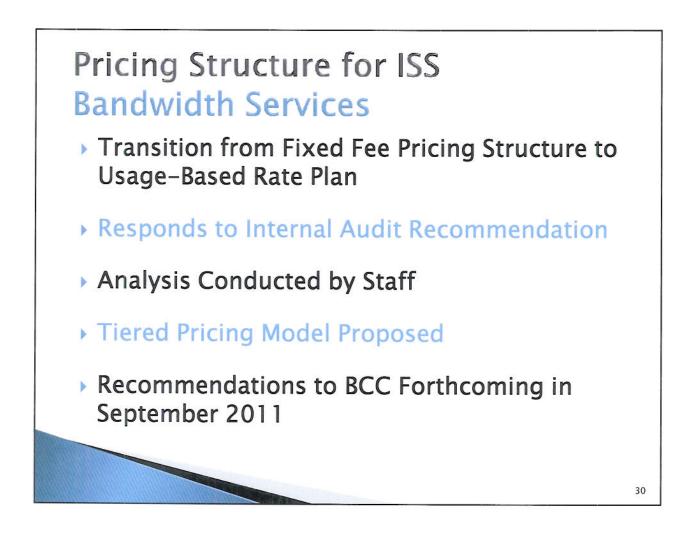


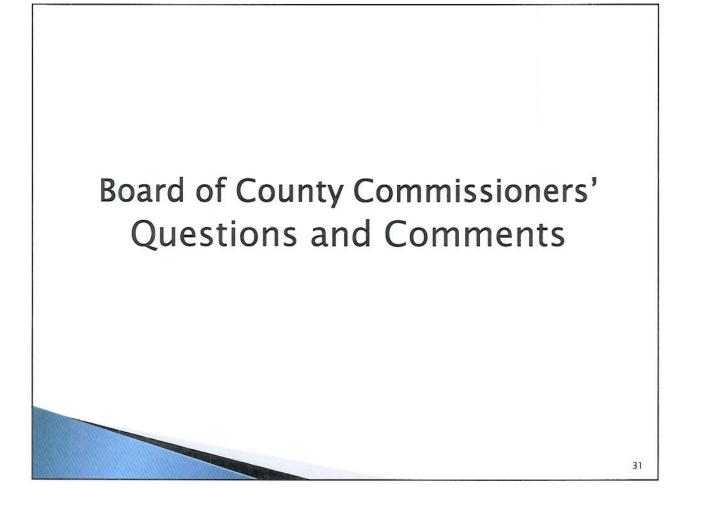












Palm Beach County Information Systems Services Currently Active Outside Agency Agreements

Agreement Specifics

<u>Organization</u>	Type	Type	<u>Number</u>	Date
Boynton Beach, City of	Municipality	Wire Network	R-2010-0110	01/12/10
Center for Family Services	Non-Profit	Wire Network	R-2010-1447	09/14/10
Center for Family Services	Non-Profit	Wire Network	R-2010-1447	09/14/10
Center for Family Services	Non-Profit	Wire Network	R-2010-1447	09/14/10
Children's Services Council	Taxing Authority	Wire Network	R-2010-0280	02/23/10
Children's Services Council	Taxing Authority	Server Host / DR	R-2010-1931	11/16/10
Delray Beach, City of	Municipality	Wire Network	R-2010-1446	09/14/10
Families First of PBC	Non-Profit	Wire Network	R-2011-0072	01/11/11
Health Care District	Taxing Authority	Wire Network	R-2010-0279	02/23/10
ewish Fed of the Palm Beaches	Non-Profit	Wire Network	R-2011-1085	07/19/11
uno Beach, Town of	Municipality	Wire Network	Agenda 8/16/2011	
upiter, Town of	Municipality	Wire Network	R-2008-1938	10/21/08
Kravis Center	Non-Profit	Wire Network	R-2010-0278	02/23/10
Kravis Center	Non-Profit	Server/Data Hosting	R-2011-0546	04/05/11
Kravis Center	Non-Profit	Wireless Network	R-2010-1313	08/17/10
Lake Worth, City of	Municipality	Wire Network	R-2011-0774	05/17/11
Learning Excellence (Imagine) School	Education	Wire Network	R-2010-1448	09/14/10
Loxahatchee River Environ District	Taxing Authority	WiMax	Agenda 8/16/2011	
Martin County	County	Interconnect	R-2010-1725	10/19/10
Nonprofits First	Non-Profit	Wire Network	R-2010-1312	08/17/10
Oxbridge Academy	Non-Profit	Wire Network	R-2011-1084	07/19/11
Palm Beach Gardens, City of	Municipality	Wire Network	R-2008-1937	10/21/08
Palm Beach State College – Central	College	Wire Network	R-2010-0650	04/20/10
Palm Beach State College – North	College	Wire Network	R-2010-0650	04/20/10
Palm Beach State College – South	College	Wire Network	R-2010-0650	04/20/10
Palm Beach State College – West	College	Wire Network	R-2010-0650	04/20/10
PBSC – Institute of Excellence, CSC	College	Wire Network	R-2010-1724	10/19/10
PBSC – Institute of Excellence, Dryfoos	College	Wire Network	R-2010-1724	10/19/10
School Board Palm Beach County	Education	Wire Network	R-2007-0352	02/27/07
Seacoast Utility Authority	Taxing Authority	Wire Network	R-2010-0929	06/08/10
South Florida Fair	Non-Profit	Wire Network	R-2011-0301	03/01/11
Wellington, Village of	Municipality	Wire Network	R-2009-0247	02/03/09
West Palm Beach, City of	Municipality	Digital Divide	R-2009-1438	09/01/09
West Palm Beach, City of	Municipality	Wire Network	R-2010-1146	07/20/10
West Palm Beach, City of	Municipality	Pole Attachment	R-2010-2116	12/21/10
		Active Agree'mts -	27	

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