

Independent Telcos and FTTH

Our monthly summary of news of special interest to independent telephone companies

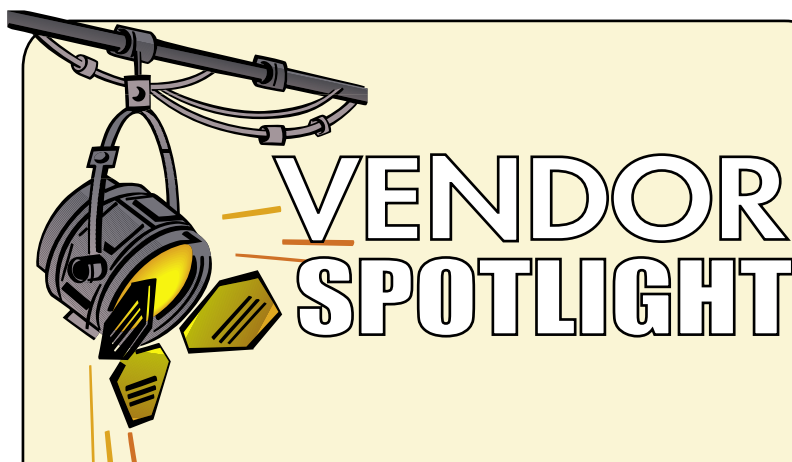
By Masha Zager ■ *Contributing Editor*

Cameron Communications (www.camtel.com), a locally owned and operated telecommunications company in Louisiana, is building the second phase of its FTTH network in Grand Lake. The company is deploying a Calix GPON solution with ADC's OmniReach fiber distribution hubs. Cameron Communications' fiber optic network offers Grand Lake residents digital television with more than 150 channels, broadband Internet connections with speeds up to 3 Mbps, and enhanced voice services.

In its first foray into FTTP, **RT Communications** (www.rtcom.net) installed a GPON network using Telstrat's Inteleflex Broadband Loop Carrier Platform and GPON optical line terminals. The Worland, Wyoming-based ILEC will provide its customers with voice and data services over fiber.

Shenandoah Telecommunications Company (www.shentel.com) in Edinburg, Virginia has entered into an exclusive agreement with RCMS/Legacy Custom Homes to build an advanced fiber optic network for Legacy's newest community, Tackley Mill in Ranson, West Virginia. Shentel will provide local and long distance telephone service, digital cable TV, high-speed Internet access, and security monitoring to this new community.

SureWest (www.surewest.com), an IPTV and FTTP pioneer in Roseville, California, announced that its fiber-to-the-premise customers increased by 28 percent during 2005, and that the demand for subscribed revenue-generating products from those customers increased by 30 percent. Surewest's FTTP network passes more than 80,000 homes.



Telstrat: www.telstrat.com

ADC: www.adc.com

Calix: www.calix.com

Independent Telcos Installing Fiber to the Premises

The table on the accompanying pages is our latest compilation of independent telcos that have constructed, or are in the process of constructing, FTTH systems.

Some of the companies identified as ILECs are installing FTTP through their CLEC subsidiaries.

Where possible, the names of telcos and vendors have been updated to reflect acquisitions and name changes since the original announcements.

Is your system missing? E-mail us at masha@broadbandproperties.com and give us the details. We'll be publishing this list on a regular basis.



Company	State	Primary Vendor	Announced or Started	Date installed	Greenfield/ Overbuild/Replace
All West Communications	UT	Calix	2004		O
Allband Communications Cooperative	MI	Calix	2005		G
Arvig Communications	MN	Calix and ADC	1995		"R, G"
Astound Broadband	CA	Alloptic	2004		R
ATMC	NC	Motorola	2005		G
Bascom Mutual Telephone Company	OH	Calix	2003		O
BEK Communications	ND	Calix	2004		R
Benton Cooperative Telephone Company	MN	Calix	2005		G
Bixby Telephone	OK	Calix	2005		G
Border to Border Communications	TX	Calix	2004		R
Broadweave Networks	UT	Telco Systems	2005		G
Buckland Telephone Company	OH	Calix	2005		R
Bulloch Telephone Cooperative	GA	Motorola	2005		R
Cal-Ore Communications	OR	Calix	2005		G
Cambridge Telephone	ID	Calix	2005		R
Cameron Communications	LA	Calix	2004		R
CC Communications	NV	Wave7	2004		"R, G"
Central Texas Technologies	TX	Alloptic	2002		G
Chariton Valley Telecom Corporation	MO	Wave7	2003		R
Cinergy MetroNet	IN	ADC	2005		O
Comporium Communications	SC	Wave7	2004	2004	G
ComSouth Telecommunications	GA	Calix and Motorola	2005		"R, G"
Columbus Telephone Company	KS	Wave7	2004		R
Consolidated Telecommunications Company	MN	Calix and ADC	2005		O
CSS Communications	WA	Alloptic	2003		R
Dakota Central Telecom	ND	Calix	2002		"R, O"
Dickey Rural Networks	ND	Calix	2004		R
EATEL	LA	Alcatel	2004		"R, G"
Elkhart Telephone	KS	Wave7	2005		R
Enhanced Telecommunications Corporation	IN	Calix	2004		O
ENMR-Plateau Telecommunications	NM	Calix	2003		R
Falcon Broadband	CO	Wave7	2005		G
Federated Telephone	MN	Calix	1996		"O, R"
Foothills Rural Telephone Coop	KY	Alcatel	2004		"R, G"
Fort Jennings Telephone Company	OH	Calix	2004		O/R



Technology	Partnerships	Services	RUS funding	ILEC/CLEC	Served
GPON		Triple-play		ILEC	2500
GPON		Triple-play	√	ILEC	300
PON		Triple-play		ILEC	
ePON		"Voice, data"		CLEC	business
PON	DR Horton	Triple-play		ILEC	800
BPON		Triple-play		ILEC	
GPON		"Voice, data"		ILEC	
GPON		Triple-play		ILEC	
BPON		Triple-play		ILEC	
PON		Triple-play	√	ILEC	100
Active Ethernet	Mountain Home Development	Triple-play+gaming		CLEC	8000 homes +offices
GPON		Triple-play		ILEC	
PON		Triple-play		ILEC	
GPON		Triple-play		ILEC	
BPON		Triple-play		ILEC	
GPON		Triple-play		ILEC	1600
ePON		Triple-play		ILEC	13000
PON		Triple-play		CLEC	
PON		Triple-play		ILEC	
PON		Triple-play	√	CLEC	75000 (11 communities)
ePON		Triple-play		ILEC	large
PON		Triple-play		ILEC	
ePON		Triple-play		ILEC	3400
GPON		Triple-play		ILEC	"15,000"
PON	Partners with several municipalities	Triple-play		CLEC	
PON		Triple-play	√	ILEC	17000 (residents)
GPON		Triple-play		ILEC	
BPON		Triple-play		ILEC	
ePON		Triple-play		ILEC	1400
PON		Triple-play		ILEC	2000
PON		"Voice, data"		ILEC	
ePON	Partners with several developers	Triple-play		CLEC	"22,000"
PON		Triple-play		ILEC	
BPON		Triple-play + video messaging	√	ILEC	
GPON		Triple-play		ILEC	



Company	State	Primary Vendor	Announced or Started	Date installed	Greenfield/ Overbuild/Replace
FTTH Communications	MN	Calix	2004		G
Grande Communications	TX	Corning and Entrisphere	2005		O
Greenfield Communications	AZ	Calix	2005		G
Guadalupe Valley Telecommunications Cooperative	TX	Calix	2004		"G, O"
Hancock Telecom	IN	Wave7	2004		G
Hargray Communications	SC	Alloptic	2004		G
Home Town Telephone (Home Town Cable Plus)	FL	ADC	2004		G
Horry Telephone Coop	SC	Motorola	2004		G
Huxley Telephone	IA	Calix	2001		"O, R"
iCornerstone	GA	Alloptic	2004		G
LaHarpe Telephone	KS	Calix	2006		R
Laurel Highland Telephone Company	PA	Calix	2003		R
LISCO	IA	Undecided (will start in 2006)	2005		O
Mahaska Communications Group	IA	Calix	2004		O
Molalla Communications Company	OR	Calix	2004		G
New Knoxville Telephone Company	OH	Wave7	2004	2004	R
North Dakota Telephone Company	ND	Allied Telesyn	2005		R
Baldwin Telecom	WI	Calix	2002		G
Cap Rock Telephone Cooperative	TX	Calix	2005		G
Champlain Telephone Company	NY	Calix	2002		O
Etex Telephone Cooperative	TX	Calix	2002		O
FEC Communications	TX	Calix			G
Gervais Telephone	OR	Calix	2001		O
Home Telephone	SC	Calix	2001		G
IdeaOne Telecom Group	ND	Calix	2002		O
Litestream Technologies	FL	Calix	2002		G
Northeast Florida Communication	FL	Calix	2005		G
NTS Communications	TX	Calix	2003		"G, O"
Optical Entertainment Network	TX	Alloptic	2005		O
Oxford Networks	ME	Calix	2003		O
Panora Cooperative Telephone Association	IA	Calix	2002		O
Parker FiberNET	GA	Terawave	2006		R
Pathway Com-Tel	TX	Calix	1998		G
Paul Bunyan Rural Telephone Cooperative	MN	Calix	2004		"O, R"
Paxio	CA	Corning	2004		G



Technology	Partnerships	Services	RUS funding	ILEC/CLEC	Served
GPON	CPDC	Triple-play		CLEC	
PON		Triple-play		CLEC	23000
GPON	Partners with several developers	Triple-play		CLEC	40000
GPON		Triple-play + security		ILEC	
ePON		Triple-play		ILEC	3000
ePON	Crescent Resources	Triple-play		ILEC	resort
PON		Triple-play+security		CLEC	"25,000"
PON	Burroughs & Chapin	Triple-play		ILEC	2100
PON		Triple-play		ILEC	
ePON	Owned by developer	Triple-play		CLEC	
GPON		Triple-play		ILEC	500
GPON		Triple-play		ILEC	5400
Active Ethernet		Triple-play	√	CLEC	3000
PON		Triple-play		CLEC	
GPON		"Voice, data"		ILEC	100
ePON		Triple-play		ILEC	1000
Active Ethernet		Triple-play		ILEC	
PON		Triple-play	√	ILEC	
GPON		Triple-play		ILEC	500
PON		"Voice, data"		ILEC	
PON		"Voice, data"		ILEC	
PON		Triple-play			
PON		Triple-play		ILEC	
PON		Triple-play		ILEC	
PON		Triple-play business services		CLEC	
PON		Triple-play + security		CLEC	
GPON		"Voice, data"		ILEC	400
GPON		Triple-play		CLEC	"40,000"
GEAPON		Triple-play		CLEC	"1,000,000"
PON		Triple-play		ILEC	6000
PON		Triple-play		ILEC	
PON		"Voice, data, and private line services "		CLEC	businesses
PON		Triple-play		CLEC	
GPON		Triple-play	√	ILEC	7500
PON	Pulte Homes	"Voice, data"		CLEC	5 new communities



Company	State	Primary Vendor	Announced or Started	Date installed	Greenfield/ Overbuild/Replace
PBT Telecom	SC	Motorola	2005		
Pembroke Telephone Company	GA	Calix	2004		G
Pinnacle Communications	AR	Calix	2005		R
Project Mutual Telephone Co-op	ID	Calix	2005		O?
Public Service Telephone Company	GA	Calix	2005		G
Randolph Telephone	NC	Calix	2005		G
Ringgold Telephone	GA	Wave7	2004		G
RT Communications	WY	Telstrat	2006		R
Rural Telephone	KS	Calix	2001		O
San Isabel Telecom	CO	Calix	2002		G
Santa Rosa Telephone Cooperative	TX	Calix	2005		O
Santel Communications	SD	Wave7	2005		O
Scio Mutual Telephone Association	OR	Calix	2004		R
Scott County Telephone Coop	VA	Wave7	2004	2004	R
Shenandoah Telecommunications	WV		2006		G
Sigecom	IN	"Motorola, Terawave"	2001		O
Silver Star Communications	WY	Calix	2005		G
Skyline Membership Corporation	NC	Allied Telesyn	2006		R
South Central Communications	UT	Calix	2002		G
Stratford Mutual Telephone Company	IA	Zhone Technologies	2005		R
Surewest Communications	CA	Calix	2001		R
TDS Telecom	Wisc	Entrisphere	2005		
Telepak Networks	MS	Calix	2005		O
Teton Telecom	ID	Calix	2004		G
TSC	OH	Calix	2003		O
Twin Valley Telephone	KS	Allied Telesyn	2006		R
Union Springs Telephone	AL	Calix	2001		R
United Telephone Company	TN	Calix	2004		G
United Telesystems	GA	Alcatel	2003		O
US SONET	IL	Wave7	2003		O
Valley Telecom Group	AR	Wave7	2005		R
Vivid Networks	MT	Calix	2002		G
Wabash Mutual Telephone	OH	Wave7	2005		O
Wamego Telecommunications	KS	Calix	2002		R
West Central Telephone	MN	ADC	2005		R
Yucca Telecom	NM		2005		R



Technology	Partnerships	Services	RUS funding	ILEC/CLEC	Served
PON		Triple-play		ILEC	
GPON		Triple-play		ILEC	300
GPON		Triple-play		ILEC	1800
GPON		Triple-play		ILEC	38000
GPON		Triple-play		ILEC	
BPON		Triple-play		ILEC	
ePON		Triple-play		ILEC	
GPON		"Voice, data"		ILEC	
PON		Triple-play		ILEC	
PON		Triple-play		CLEC	3000
GPON		Triple-play		ILEC	
ePON		Triple-play	√	ILEC	15000
GPON		Triple-play		ILEC	200
ePON		Triple-play		ILEC	
	RCMS/Legacy Homes	Triple-play plus security		ILEC	1000
PON		Triple-play		CLEC	88000
GPON		Triple-play		ILEC	1500
PON		"Voice, data"		ILEC	
PON		Triple-play	√	ILEC	
PON		Triple-play		ILEC	80000
PON		Triple-play		CLEC	
GPON		Triple-play		CLEC	3000
GPON		Triple-play		ILEC	
GPON		Triple-play		ILEC	8500
Active Ethernet and GEAPON		Triple-play		ILEC	6400 (includes some ASDL2)
PON		Triple-play		ILEC	1750
GPON		Triple-play		ILEC	2000
PON		Triple-play		CLEC	
PON		Triple-play		CLEC	
ePON		Triple-play	√	ILEC	7000
PON	Big Sky Communications and Cable	Triple-play		CLEC	
ePON		Triple-play		ILEC	
PON		Triple-play		ILEC	
PON		Triple-play		ILEC	
		"Voice, data"	√	ILEC	