



OPENCAPE



OPENCAPE

Creating Regional Broadband Opportunities for Cape Cod and Southeast MA

PO Box 762 | West Barnstable, MA | 02668-1599
(888) 253-2561 | info@opencape.com | www.opencape.com





What is OpenCape?

OpenCape Corporation

- Non-profit 501(c)3, Representative Board, Represents Interests of the Community

OpenCape Concept

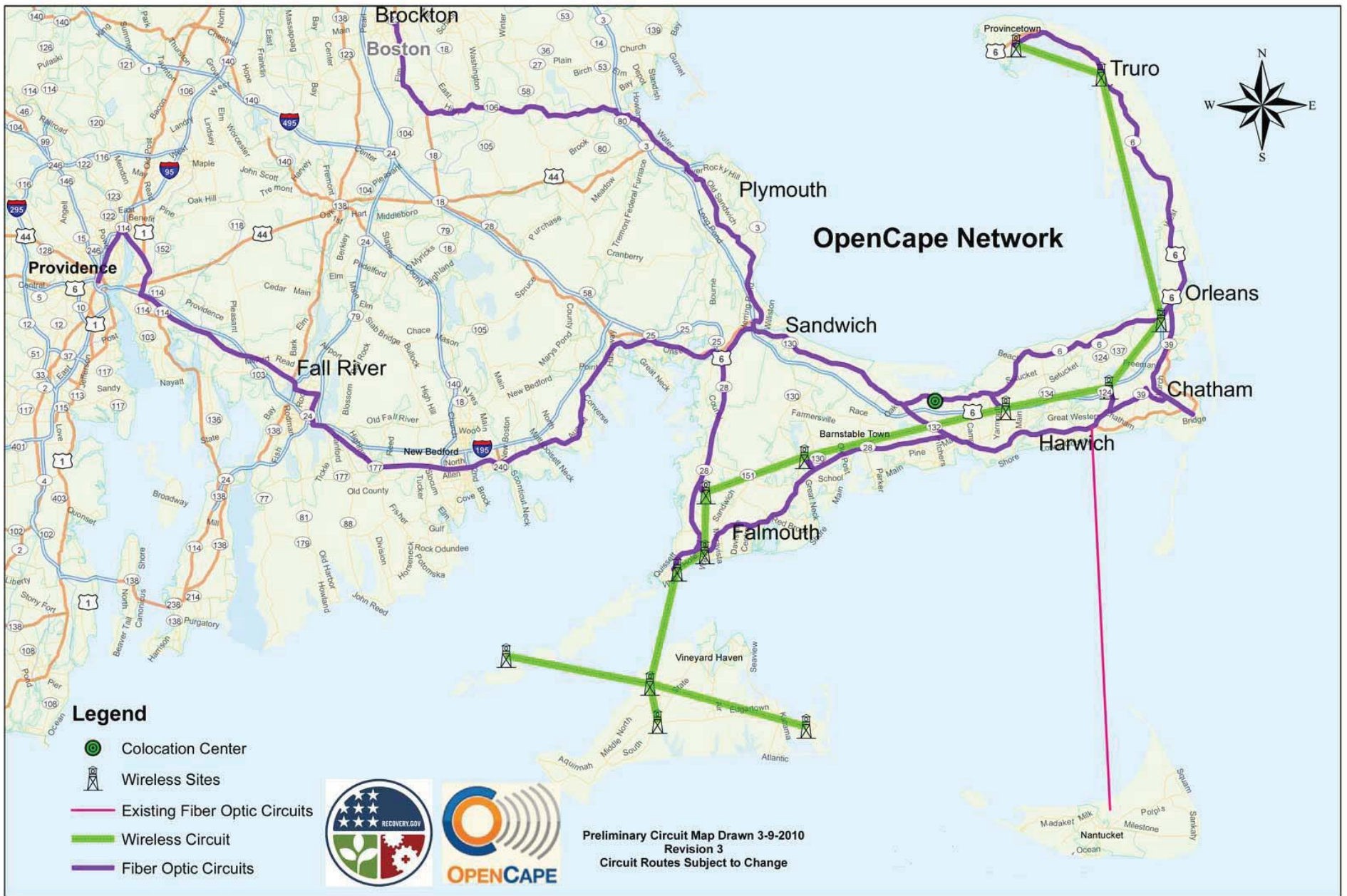
- Develop the infrastructure of the 21st Century – telecommunications
- Underpinning technology to economic development and civic engagement

OpenCape Funding (\$40 million)

- \$ 32 million ARRA BTOP
- \$ 5 million MA General Obligation Bonds through MTC/MBI Incentive Fund of 2008
- \$ 2 million CapeNet LLC, private Design, Build and Operate contractor
- \$ 750,000 Barnstable County Building Lease for Collocation Center
- \$ 300,000 Volunteer Time Donated

OpenCape System

- 350 Mile Fiber Optic Network
- Microwave Public Safety Backup System
- Regional Collocation computer data center





Status of Project

	<u>COLLOCATION CENTER</u>
December 2011	Demolition Inside Collocation Center
January 2012	Collocation Center Construction
May 2012	Collocation Center General Renovation Complete
	<u>NETWORK</u>
January 2012	Fiber Optic Network Construction Begins
April 2012	Microwave Construction Begins
January 2013	Network Complete



Government Information Services

- **Existing Model of Government Information Services**
 - **All Towns are Not the Same**
 - **Dispersed Digital and Analog Services**
 - Towns, Schools, Libraries, and Public Safety
 - **Cost**
 - Lacks Economy of Scale
 - Little or No Aggregation
 - Isolated Networks
 - Multiple Support Staffs



Regional Government Services

- **Regional Umbrella Services System (RUSS)**
 - **Infrastructure**
 - OpenCape Municipal Regional Area Network
 - 1Gbps per town & 1Gbps aggregated Internet
 - Opencape Regional Collocation Center
 - 100sqft of floor space
 - Initial hardware for applications (VM SAN)
 - 3rd Floor RUSS Operations Center
 - Conference Room for County Complex Use
 - **Applications**
 - Municipals/County (Regional GIS, E-Permitting, Assessor Databases)
 - School Districts (Regional LMS, Data Center, Internet 2)
 - Libraries (CLAMS library network and public access)
 - Water Districts (shared applications, SCADA improvement)
 - Public Safety
 - EOPSS/CJIS access
 - 700Mhz Mobile Public Safety Network
 - Regional Shelters and Intelligent Transportation



Regional Government Services

- **Regional Umbrella Services System (RUSS)**
 - **Financial**
 - Capital Costs
 - OpenCape Absorbs
 - Development Costs
 - EDC Analysis
 - State Community Innovation Challenge Grant
 - Exec Office of Housing and Economic Development
 - Operating Costs
 - County Enterprise Account?
 - County Expense?
 - Assessment?
 - Erate Offset
 - OpenCape Revenues in Excess of Operating Costs
 - Reserves
 - Applications, Network Extensions, Subsidize Operating Cost



Regional Government Services

- **Regional Umbrella Services System (RUSS)**
 - **Governance**
 - Policy Making Committee
 - Members
 - County, Commission, CLAMS, OpenCape, and each town?
 - Roles
 - Set Policies
 - Resource acquisition and allocation
 - Application decisions
 - Which application is next?
 - Who is the application champion?
 - How will application be supported?
 - Internal
 - Outsource



County Role

- If Barnstable County were to restructure itself to be a more effective provider of regional services, what would you recommend that it consider?
 - Play a leadership role in regional umbrella services and applications
 - Service and application development
 - Financial services
 - Procurement services
 - Governance Committee Development
 - Creation of the RUSS Operations Center in RCC
 - Distinguish between institutional technical support and regional application services