



OARnet

An OH·TECH Consortium Member

Connect. Aggregate. Collaborate.

1850
miles

empowers

of 100 Gigabit per second network backbone

13
trillion

megabytes of annual data transfer

600
plus

public K-12 schools

90
plus

colleges and universities

\$8
million

savings to Ohio education

CONNECTING COMMUNITIES • EMPOWERING INNOVATION • REDUCING COSTS TO OUR OHIO PARTNERS

OARnet: Facilitating Ohio's economic future through technology.

The Ohio Academic Resources Network (OARnet) identifies and deploys shared services that reduce costs, deliver advanced technology programs, increase productivity and improve customer service – and has done so for 25 years.

OARnet serves Ohio's education, health care, public broadcasting, and government communities; they voluntarily participate in OARnet's programs because of the benefits they receive.

Our Driving Principles

Increase access to affordable broadband service.

- OARnet provides 1,850 miles of high-speed fiber throughout the state. In 2012, the State of Ohio invested \$13 million to increase the bandwidth from 10 Gigabits per second (Gbps) to 100 Gbps.

Reduce technology costs via aggregate purchasing

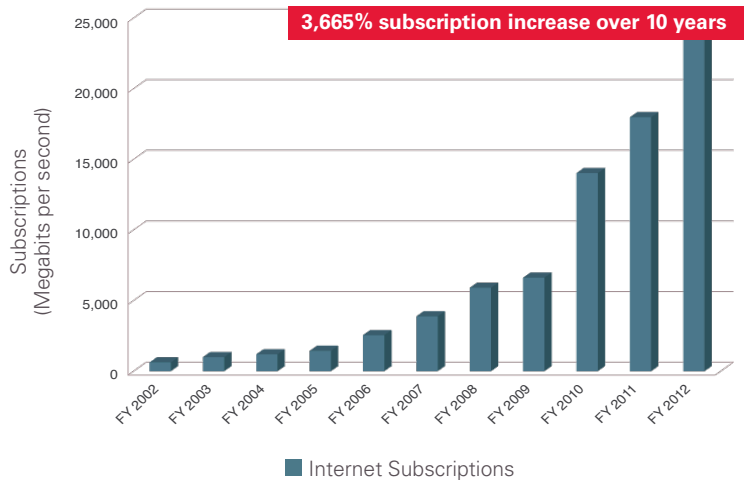
- **\$8 million** – Combined, average annual savings on Internet costs for OARnet's education communities.
- **\$200 million** – Total federal, state and private investments and grants to expand Ohio broadband (ARRA) to rural and underserved communities.
- **\$100 million** – Estimated amount Ohio higher education, K-12 schools and state agencies saved through 2012 for VMware licenses, maintenance and services.

Maximize shared service opportunities

- **\$2.2 million** – Amount the University System of Ohio avoids on hardware maintenance costs because OARnet integrated the technology infrastructure for the Ohio Board of Regents and its technology partners.

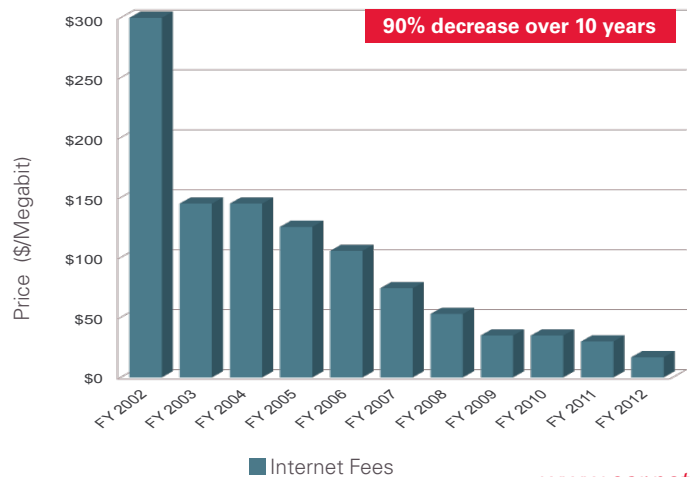
OARnet Power of Aggregation

Historical Internet Subscriptions P-20; FY2002 – FY2012



OARnet Reduction of Expenses – Economies of Scale

Historical Internet Pricing P-20; FY2002 – FY2011



www.oar.net

For more information

Visit www.oar.net or contact:

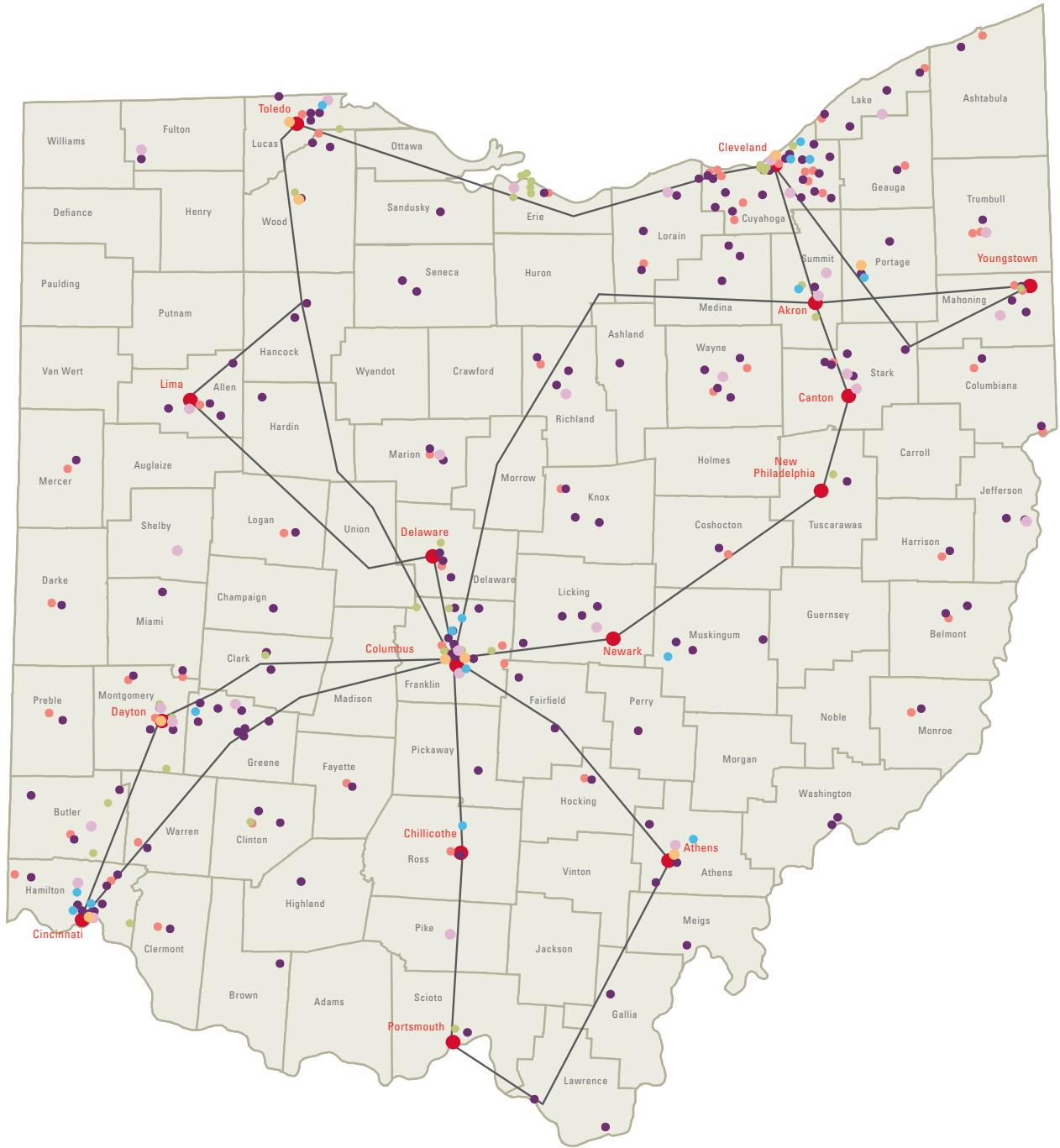
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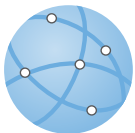
Ohio Technology Consortium
A Division of the Ohio Board of Regents

www.oh-tech.org

OARnet 100 Gigabit/Second Network Backbone with Connected Partners



- Higher Education Main Campuses
- Higher Education Regional Campuses
- Health Care Facility or Medical School
- K-12 Education: ITC or Large Urban Area
- Local Government or State Agencies
- Public Broadcast Stations
- OARnet PoPs\Backbone



Internet



Telepresence



Co-location



Virtualization
with VMware



Emergency
Web Hosting



Cloud
Computing



Identity
Management
(IAMOhio
Federation)