



**ENTRY
POINT**
NETWORKS

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Is Broadband Infrastructure Essential?

Communication is not just a sector of the economy. Communication is the economy.

– Kevin Kelly, *New Rules to a New Economy*

The network economy rewards open systems. Closed systems close off opportunities. This is why the network economy routes around closed systems. The issue is whether it is easy or difficult for others to invent something that plays off your invention.

Kevin Kelly, *New Rules to a New Economy*

The Emerging Economy



1



On Demand /
Real Time

2



Distributed
Ledger
(Blockchain)

3



Artificial
Intelligence

4



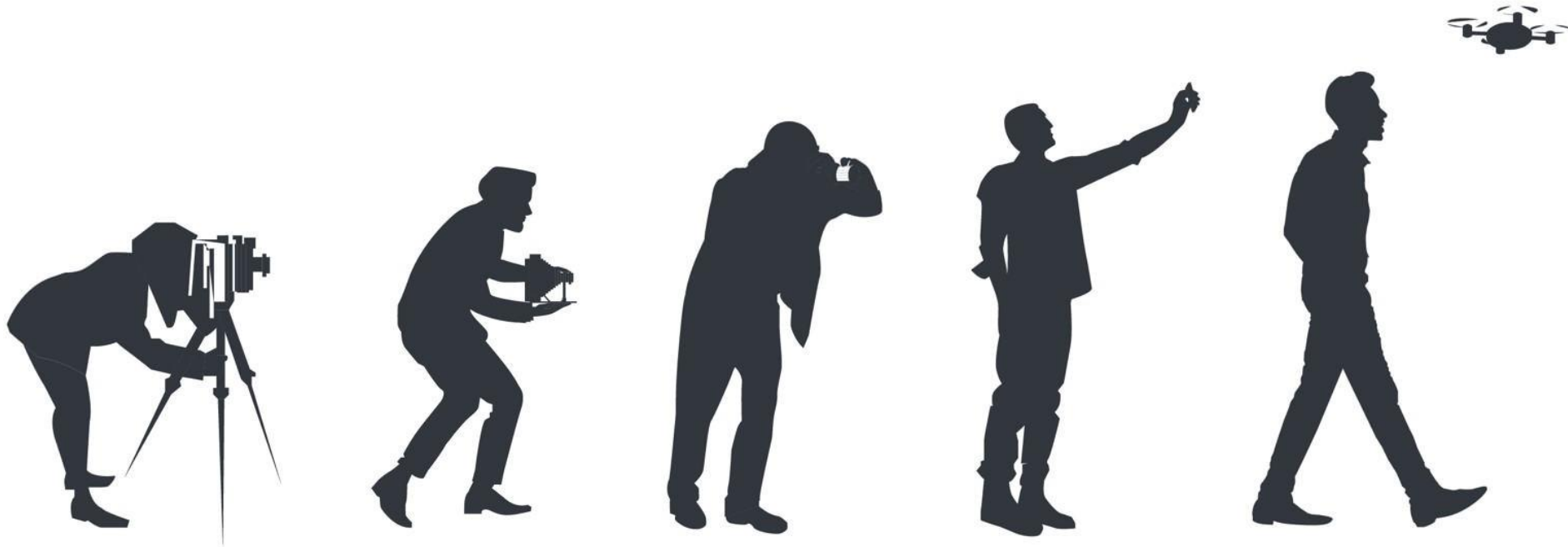
Internet of
Things

5



Automation

Open Systems Accelerate Tech Evolution



Open Systems Break Down Silos



Open Systems Invite Competition



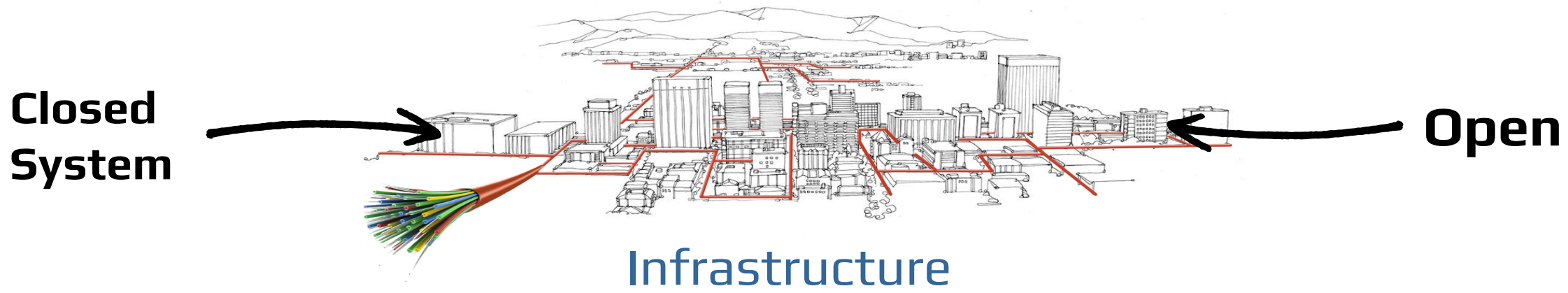


Open Systems Foster Permissionless Innovation

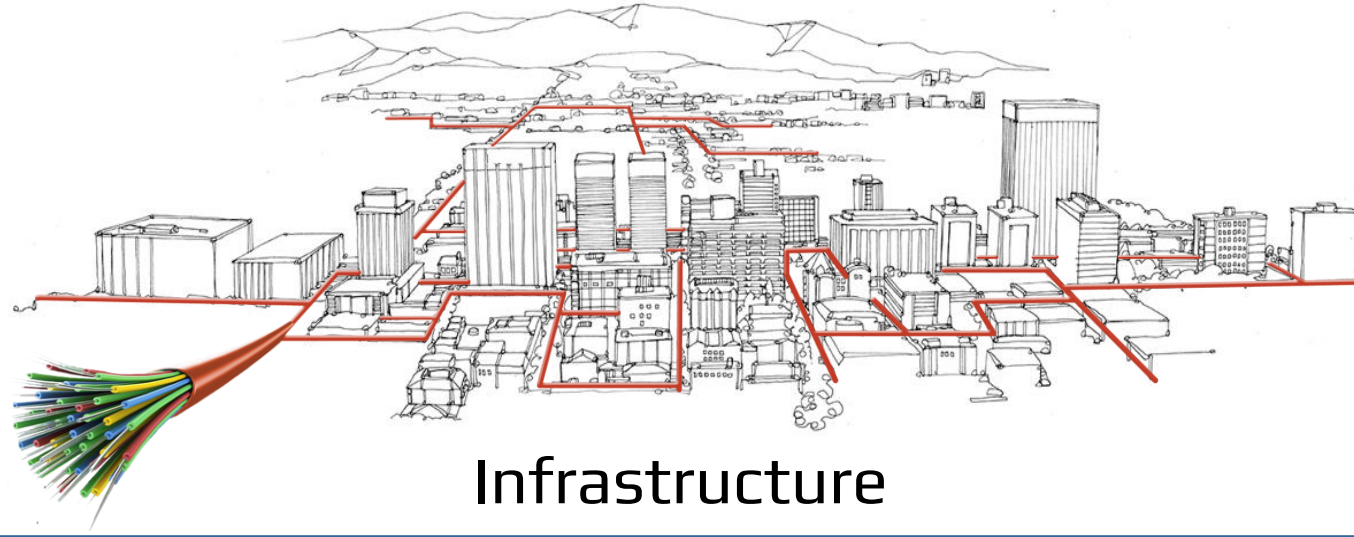
Incumbent Model vs. EntryPoint's Model

Incumbent Model

EntryPoint Model



Separating Infrastructure and Services



Infrastructure

Services



Internet



Smart Grid



Smart City / IoT



Transportation



Education



Public Safety



Efficient
Government



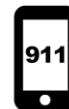
Affordable
Communications



Entertainment



Telephone



Emergency
Communications



Aging in Place



Tele-Medicine

Network Infrastructure as a Utility



If Today's Road Systems Worked Like Current Incumbent Broadband Networks
Closed Infrastructure

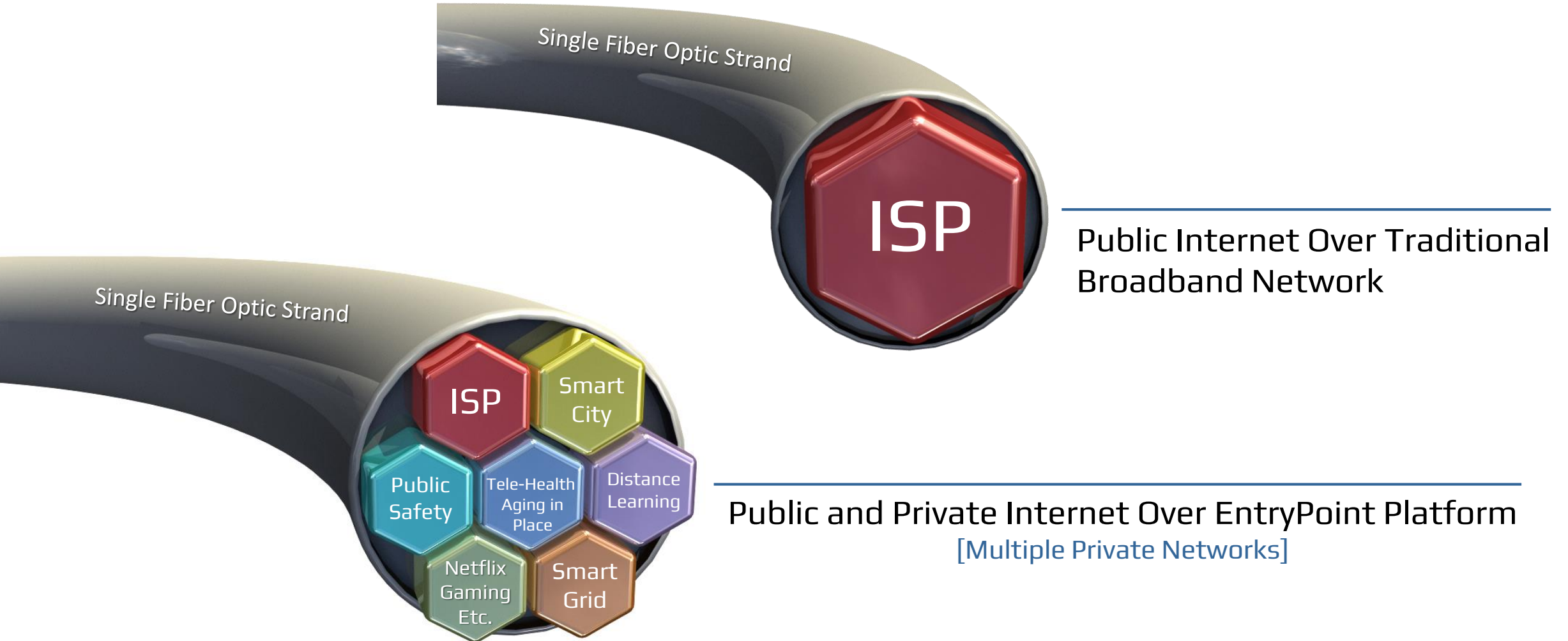
Network Infrastructure as a Utility



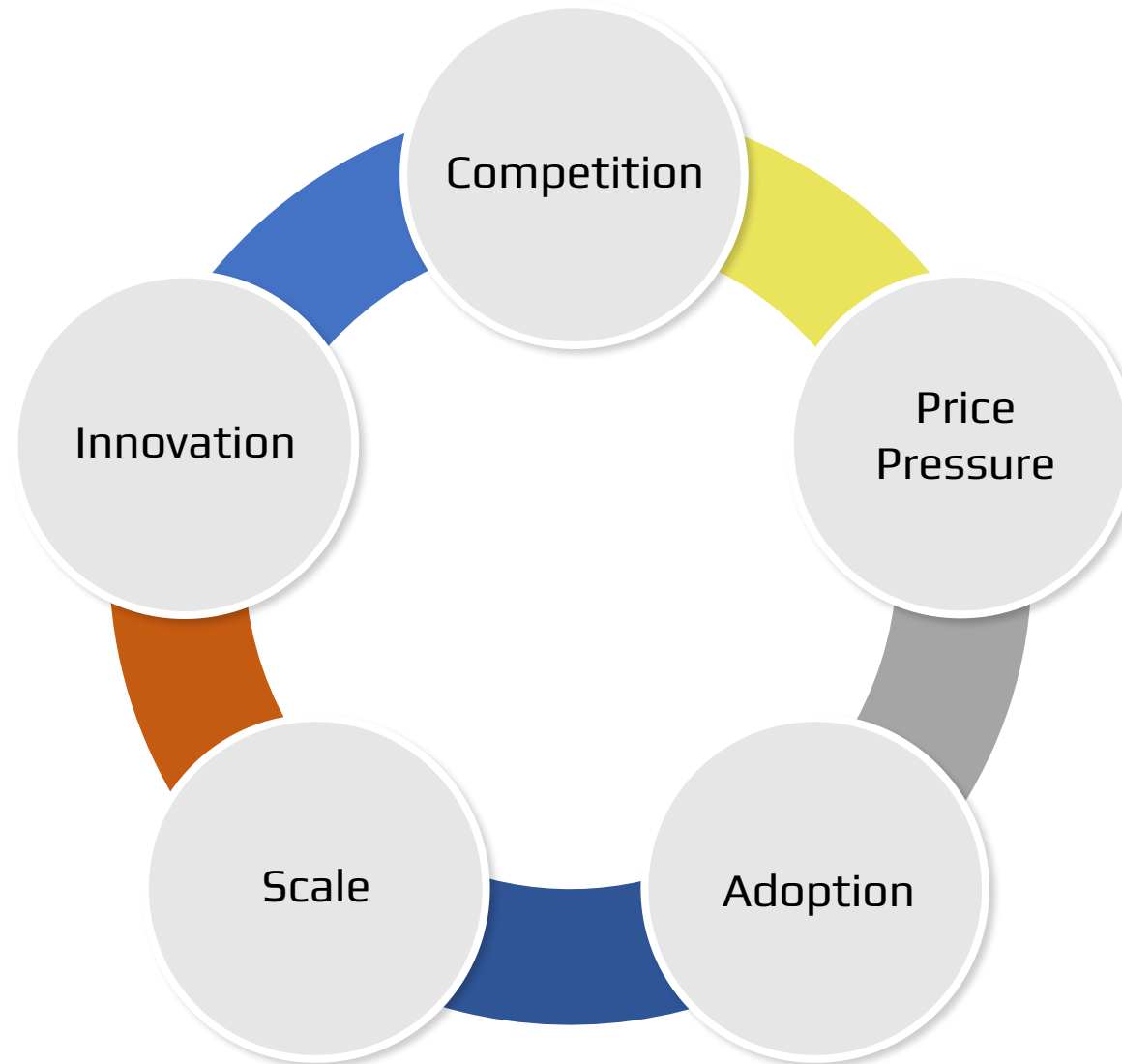
Open Broadband Networks or Broadband Infrastructure as a Utility

Open Infrastructure

Public Internet + Private Internet



The Virtuous Cycle of Open Systems



Innovation in Private Networks

Open
Private
Networks

Scale = Network Effects & Accelerated Innovation


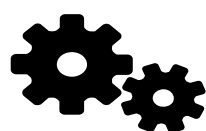
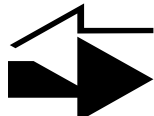


↓

Automated
User Friendly
On Demand
Self Service
Permission-less
Affordable

↗



Cost Categories in Ammon, Idaho

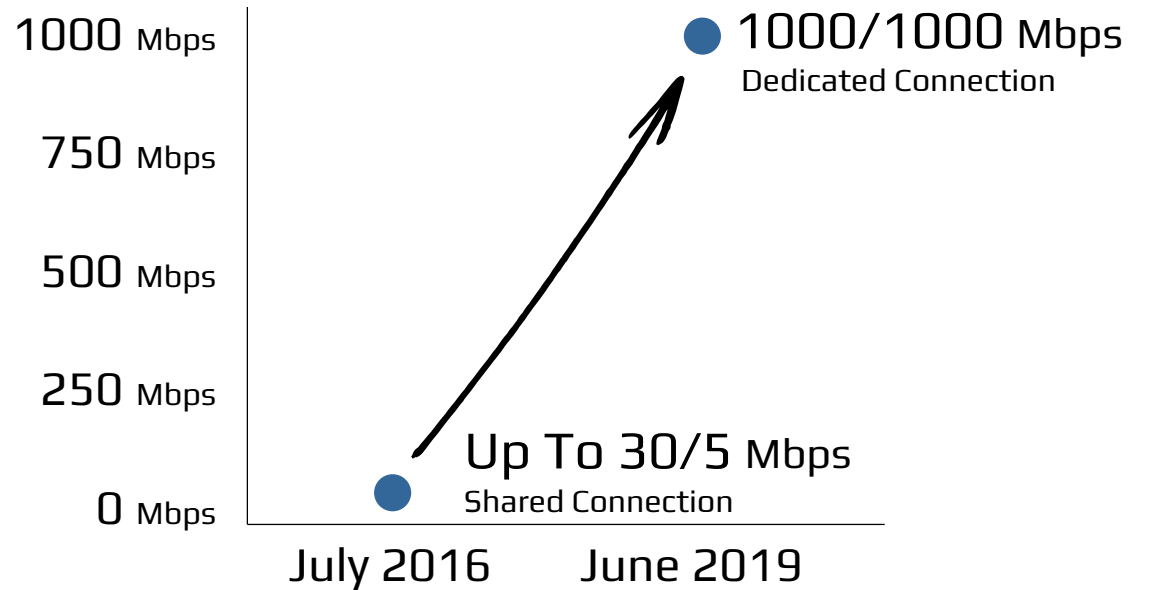
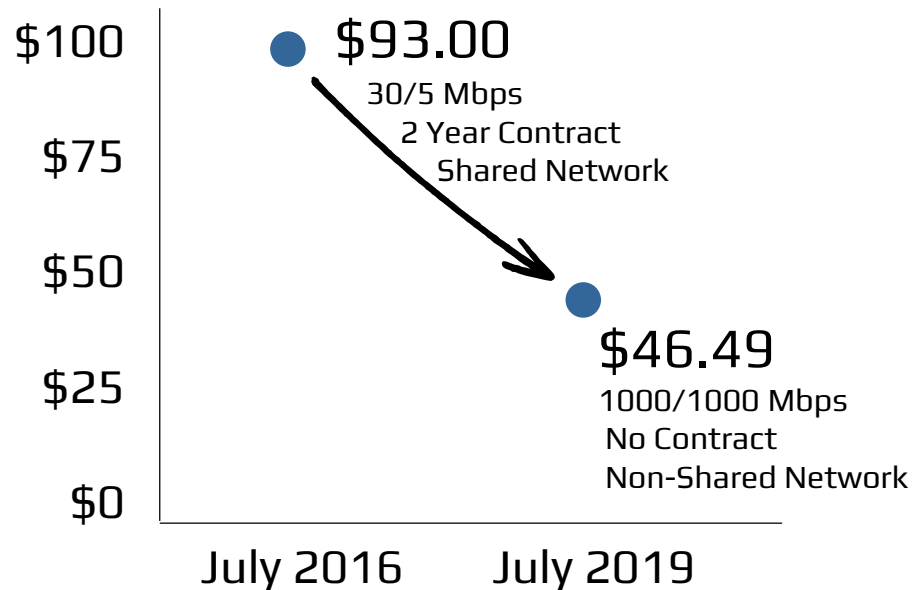
| | <u>15 Mbps</u> | <u>1,000 Mbps</u> |
|--|-----------------------------------|--------------------|
|  Monthly Infrastructure Expense | \$20.00 | \$20.00 |
|  Monthly Maintenance & Operations | \$16.50 | \$16.50 |
|  Private Internet Connections | Included | Included |
|  Monthly ISP Cost Currently | Free | \$9.99 |
| <hr/> | | |
|  Total Monthly Cost to Subscriber | \$36.50 | \$46.49 |
| | \$16.50 | \$26.49 |
| | [once infrastructure is paid off] | |

Current Consumer ISP Cost & Speed in US

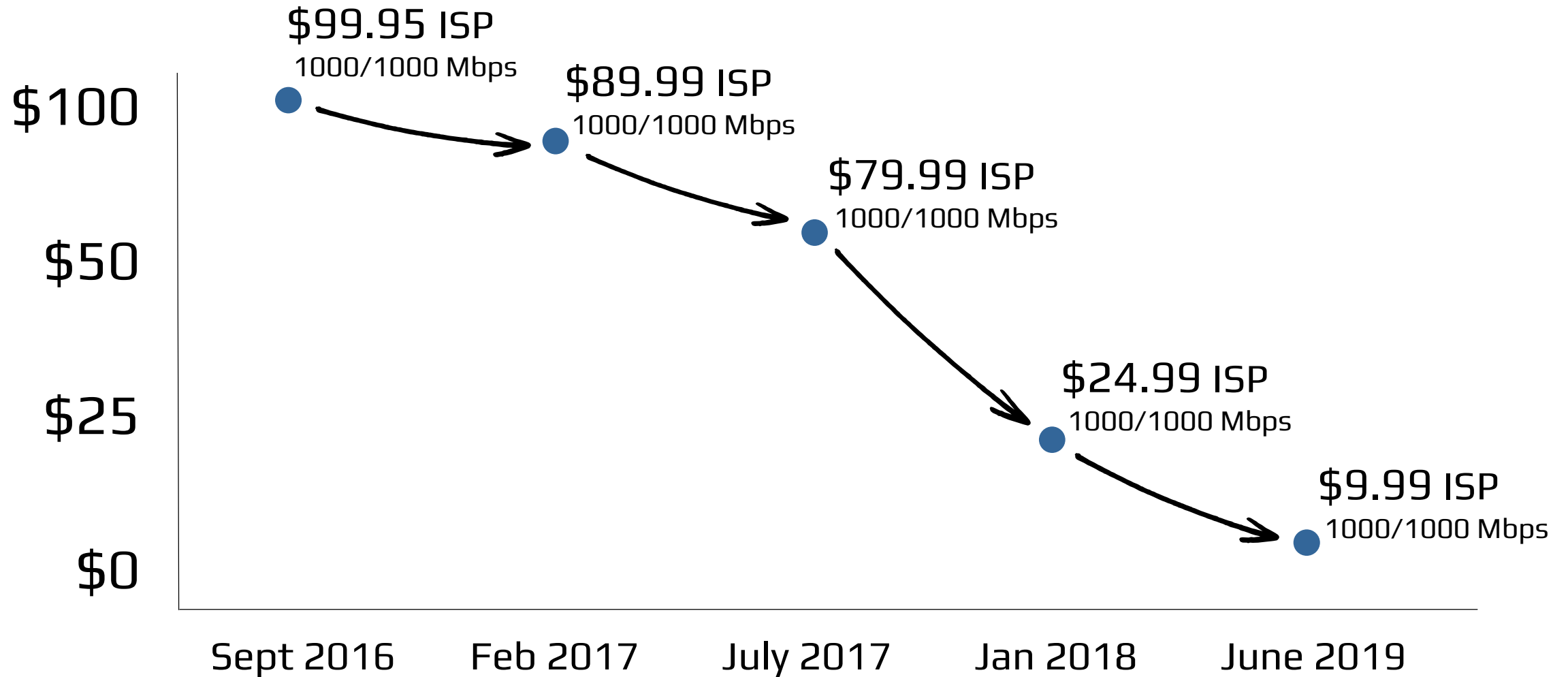
US Residential Service = \$68 per month¹ / 18.7 Mbps²

¹"Average Internet Bill May Surprise You" – Credit Donkey Sept2018 | ²"State of the Internet" – Akamai Vol10 No1

Ammon Fiber Network



Actual Results of ISP Competition in Ammon, Idaho



“We need the community to own the wire to make it easy for service providers to come and compete across that wire in an open marketplace. That will dramatically change the price across the country.”

Bruce Patterson – Technology Director in Ammon, ID

Things subscribers can do in Ammon, Idaho but not in San Francisco or New York –

- 1) Switch their ISP in 30 seconds
- 2) Get a 15 Mbps Internet Connection for Free
- 3) Get a 1 Gig Symmetrical Internet Connection for \$9.99 per month
- 4) Ubiquitous Access to Private Networks

“Ammon’s platform allows an extraordinary level of competition, innovation, and experimentation by businesses, local government, and residential users alike. And Ammon’s model provides very little, if any, financial risk to the city.”

“The use of virtualization technology to enable retail competition is rare in the United States, and Ammon’s use of virtualization is especially sophisticated.”










HARVARD
UNIVERSITY

Berkman Klein Center for Internet & Society

 Dashboard

Categories

-  Distance Learning
-  Emergency Services
-  Internet Service
-  Lifeline Services
-  Private LAN
-  TV
-  Telephone

 Dashboard

You don't currently have any active subscriptions.

Select from a category at the left to subscribe to a new service.

EntryPoint

- > Turns a Closed System into an Open System
- > Exposes Services to Competition and Innovation
- > Democratizes Access
- > Makes Private Networks Affordable & Available



**ENTRY
POINT**
NETWORKS

Thank You

For More Information
www.entpnt.com

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