



Internet Association

Internet Association research finds ISPs continue to invest and innovate at similar or greater levels in the current regulatory environment, including after Title II reclassification of internet services. IA will release its full research paper on internet service provider (ISP) investment in the coming months. A preview of key takeaways from the research:

**ISP investment is up over time, and shows no decline as a result of Title II reclassification in 2015.**

By multiple, independent metrics, ISP claims of depressed investment don't mesh with reality. From actual capital expenditure numbers, to patents, to prices, Title II has not had the effects that ISPs claim.

**IA research pulls from the same data sets as ISPs.** This report relies on publicly data available directly from ISPs or used by ISP trade groups.

**ISPs have failed to prove Title II has had a negative impact on investment.** Efforts to replace the 2015 Open Internet Order are not based on economic fact. ISPs have failed to prove that the Order, or Title II reclassification specifically necessitates reversal of FCC policy.

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# PRELIMINARY NET NEUTRALITY INVESTMENT FINDINGS

**ISP CLAIM:** Infrastructure investment among leading ISPs has decreased 5.6% because of net neutrality



IA research shows telecom investment increased following net neutrality. There's no evidence that net neutrality caused infrastructure investment to decline

5.3% ↑ \$7.3B

INCREASE IN TELECOM INVESTMENT  
AMONG PUBLICLY TRADED COMPANIES  
FROM 2013-2014 TO 2015-2016

Source: Company SEC Filings via Free Press

5.1% ↑ \$4.7B

TELECOM INVESTMENT 2014-2015  
(BASED ON PROJECTIONS)

Source: OECD & USTelecom

56% ↑ \$89.9B

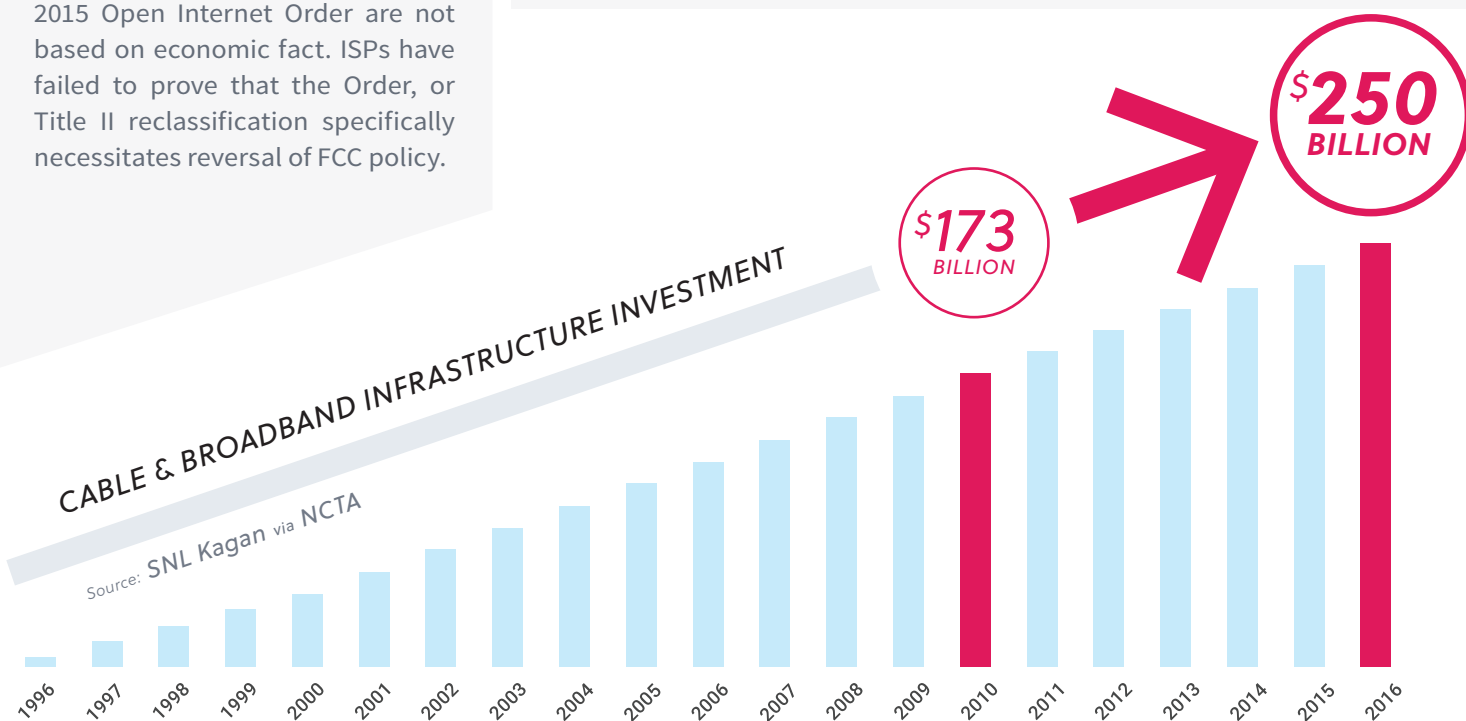
CABLE INVESTMENT 2009-2016

Source: SNL Kagan via NCTA

39% ↑ \$87.8B

TELECOM INVESTMENT 2010-2016  
(BASED ON PROJECTIONS)

Source: OECD & USTelecom



# PRELIMINARY NET NEUTRALITY INVESTMENT FINDINGS

**ISP CLAIM:** Net neutrality is a regulatory framework hampering competition

✓ ISPs and their consumers are enjoying historically low production costs

48% ↓ REDUCTION IN PRICES FOR WIRELESS TELECOM SECTOR FROM 2000 TO 2016  
Source: World Bank



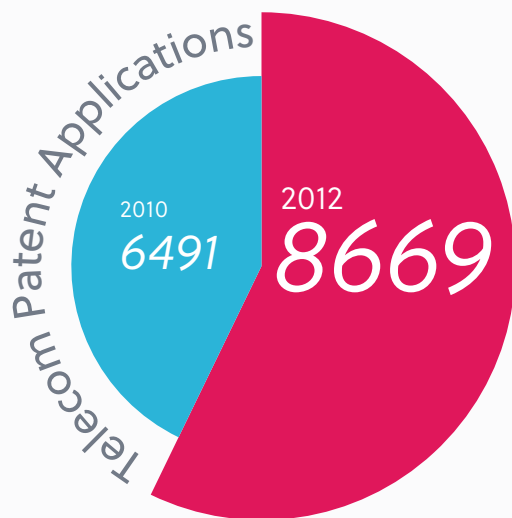
3.4% ↓ REDUCTION IN PRICES FOR WIRED TELECOM SECTOR FROM 1997-2016  
Source: World Bank

**ISP CLAIM:** Net neutrality has hurt innovation in the telecom sector

✓ Innovation has increased consistently and rapidly since net neutrality implementation



58.4% ↑ INCREASE IN TELECOM PATENT APPLICATIONS FROM 2010 TO 2012



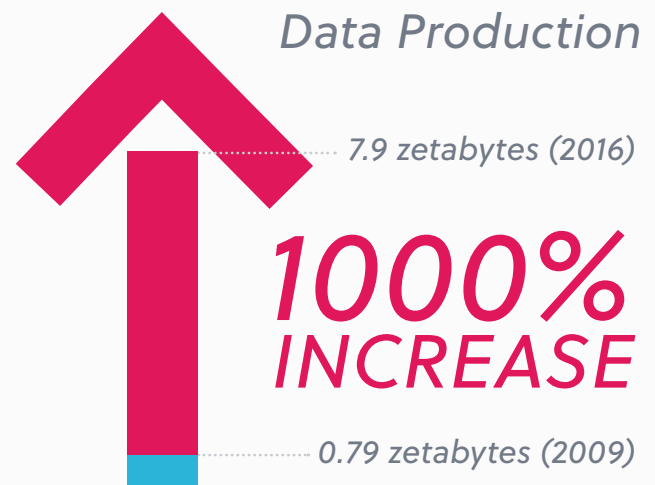
Source: United States Patent and Trademark Office

**ISP CLAIM:** Net neutrality has hurt free speech and expression

✓ Content and data production continues to increase exponentially



1000% ↑ INCREASE IN ONLINE DATA AND CONTENT FROM 2009-2016



Source: Computer Science Corporation

