



# Remarks to NIST VCAT – National Wireless Initiative

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# “We’re Going to Have to Up Our Game, Marquette”

## Plan to Win the Future through Expanded Wireless Access

### National Wireless Initiative (Wi3)

*Marquette, MI*



### Wi3 In Brief

- #1: Voluntary incentive auctions; goal to free 500 MHz of spectrum
- #2: \$5BN investment incentives to cover 98% with 4G wireless coverage
- #3: \$10.7BN investment to build nationwide public safety broadband network; re-allocate D block
- #4: \$3BN innovation fund for basic R&D, test beds, and public sector application development

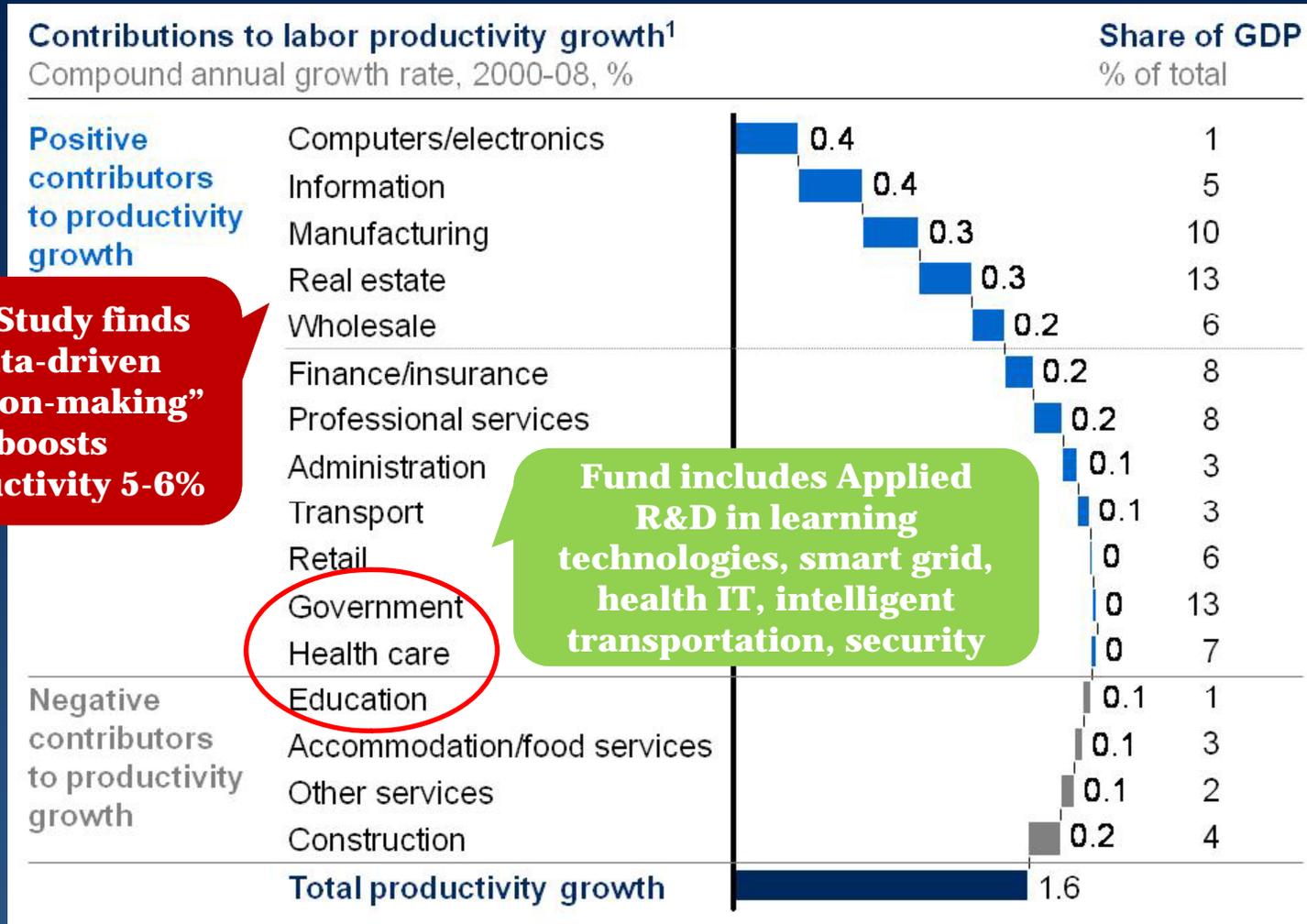
“For our families and our businesses, high-speed wireless service, that’s the next train station; it’s the next off-ramp. It’s how we’ll spark new innovation, new investment, new jobs.”

—President Barack Obama, 02/10/11



# Wireless Innovation Fund to Boost Productivity

## Public Sector-Influenced Industries Have Struggled to Harness Tech



**MIT Study finds “data-driven decision-making” boosts productivity 5-6%**

**Fund includes Applied R&D in learning technologies, smart grid, health IT, intelligent transportation, security**

# Addressing Public Safety Requirements

Goal to Align with Commercial Infrastructure, Leverage Scale

## Requirements v1.0

### *Four Pillars*

Hardened, Secure,  
Interoperable

Survivable,  
“Always On”

Evolve with  
Commercial (Voice)

Dynamic, Public  
Safety Controls

## “Deep Dive”

### *Survivability*

#1: Mission-critical voice, including  
“talk-around”

#2: Public safety packet  
prioritization

#3: Security, authentication  
capabilities

#4: “Survivable Core” – PCAST  
NITRD 2010, “We must...develop  
methods...for implementing a small,  
rigorously isolated set of very basic  
capabilities that can be relied upon  
...to provide truly essential...services  
on a temporary basis...”



# A “Frugal” Approach to Accountable Government

## New Models Offer Opportunities in Open, Reverse Innovation

### Open Innovation



**Manor, TX – population 6,500 –  
deploys free “SeeClickFix”  
platform including voice, web,  
mobile options; cost ~\$38/month;  
NYC FY 2010 budget ~ \$45M**

### Reverse Innovation

