



The Future is Now: 5G & Small Cell Deployment

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Gerard Keegan, CTIA

Wireless Impact in New Jersey



111,800

WIRELESS-RELATED
JOBS



\$11.1B

ECONOMIC IMPACT
(GDP)



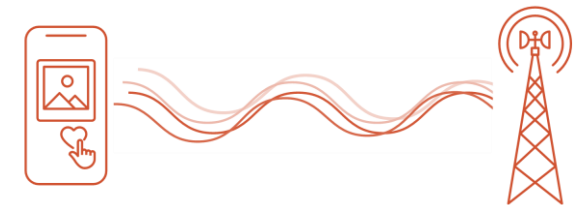
18%

HIGHER PAY FOR
WIRELESS JOBS



\$5.7B

PAY & BENEFITS
FROM WIRELESS
INDUSTRY

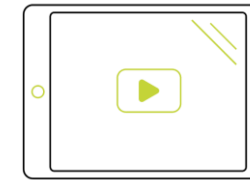
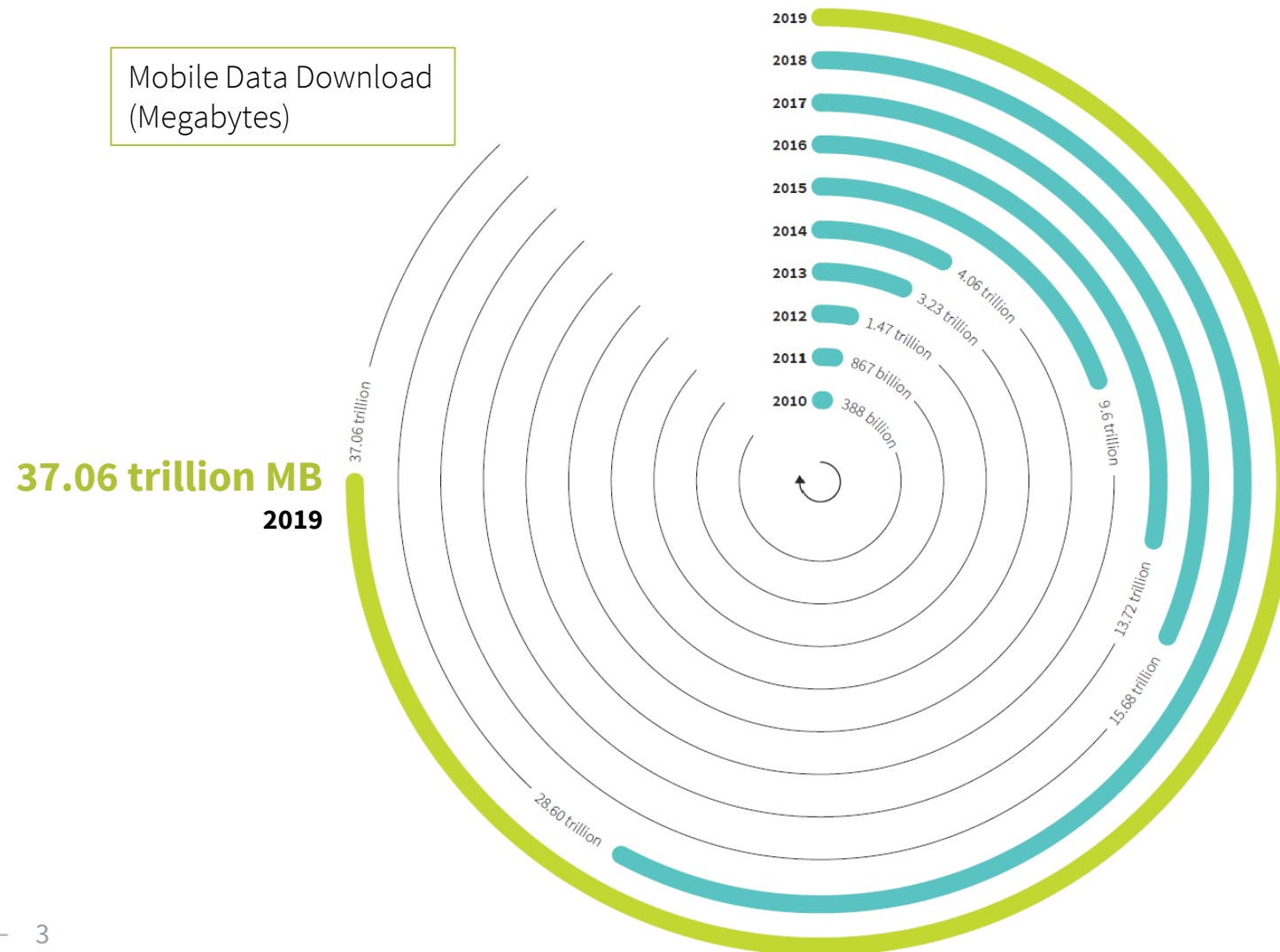


10M

WIRELESS
SUBSCRIBER
CONNECTIONS

Demand for Mobile Data Continues to Grow

96x more mobile data was used in 2019 than in 2010



To put this in perspective, 37.1 trillion MB of data is equivalent to the entire population of Chicago watching 'The Last Dance' 1,660 times each.

5G is the Answer to the Demand for Data

4G made networks faster and our lives easier; 5G will be a massive leap

5x

MORE RESPONSIVE

UP TO
100x

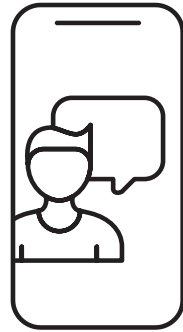
FASTER

100x

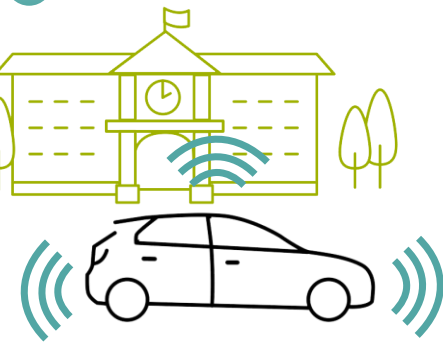
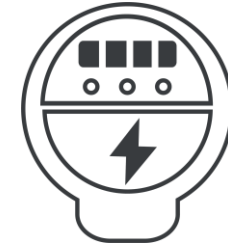
MORE DEVICES
CONNECTED

5G Connecting Everything

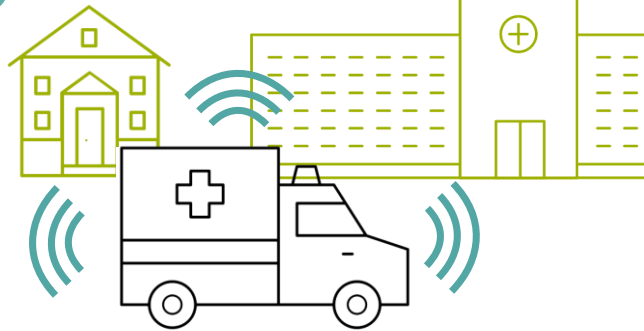
SMART COMMUNITIES



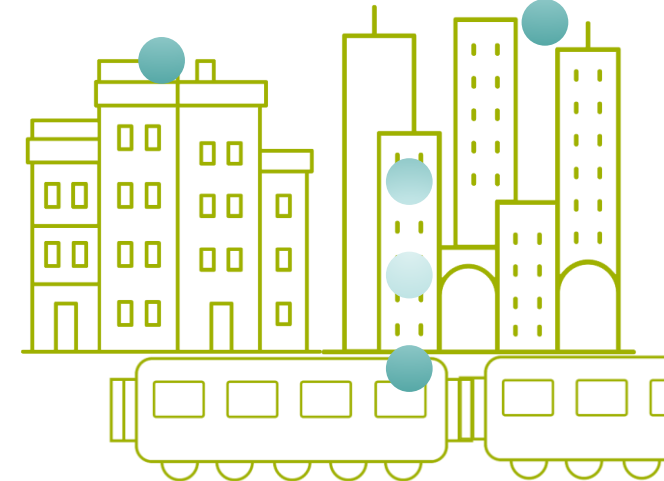
CONSUMER IoT



AUTONOMOUS VEHICLES



INDUSTRIAL IoT



5G Economic Benefits and Wireless Network Investment

Improving communities across America, from small towns to big cities



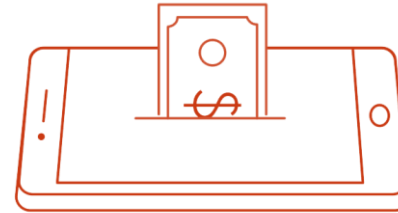
3M

NEW JOBS



\$500B

CONTRIBUTION
TO GDP



\$275B

NEW WIRELESS
INVESTMENT



\$160B

SMART CITY BENEFITS
AND SAVINGS

5G Economic Benefits: New Jersey

Cinnaminson

- Over 150 jobs created
- \$13 million in estimated network investment
- Nearly \$5 million in estimated GDP growth

Hamilton

- Over 800 jobs created
- Over \$70 million in estimated network investment
- \$133 million in estimated GDP growth

Newark

- Over 2,600 jobs created
- Over \$230 million in estimated network investment
- \$430 million in estimated GDP growth

Jersey City

- Nearly 2,500 jobs created
- \$218 million in estimated network investment
- Over \$400 million in estimated GDP growth



The Infrastructure of 5G

Enhanced coverage, growing demand for wireless, and new 5G networks require all types of wireless infrastructure.



Cell Tower

Common along highways



Rooftop Cell Site

Common in urban areas



Monopole Cell Site

Common in suburban areas



Small Cells

Typically placed on existing structures

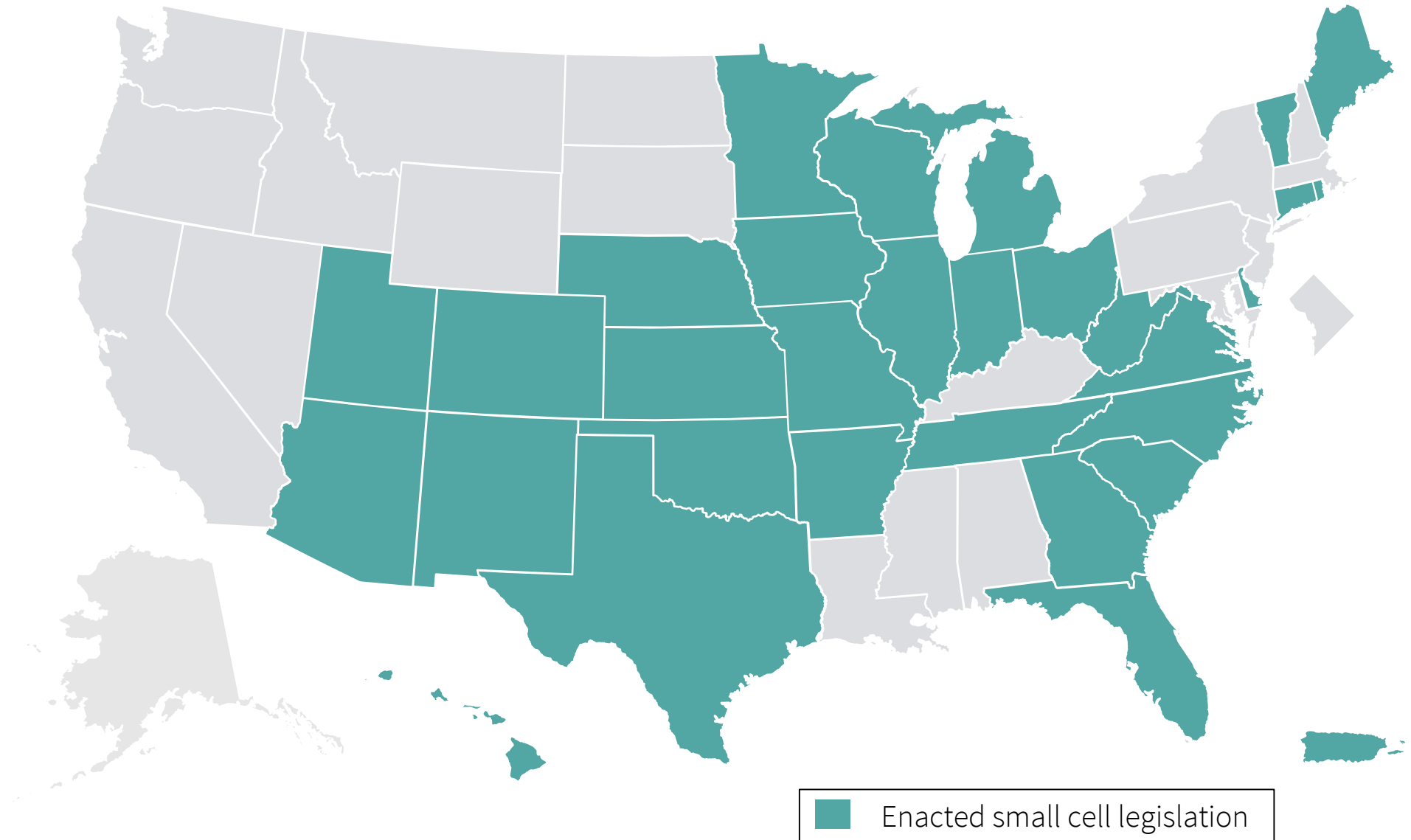
New Networks, New Rules

- **Reasonable Access.** Improved access to municipal facilities and rights of way
- **Reduced Costs.** Reasonable cost-based fees for new 5G deployments
- **Modernized Procedures.** Improved timelines and more uniform standards

Cities and towns which are first to facilitate the wireless infrastructure evolution will see the greatest benefit.

— Accenture Strategy
January 2017

State Small Cell Legislative Activity





Gerard Keegan
Vice President, State Legislative Affairs