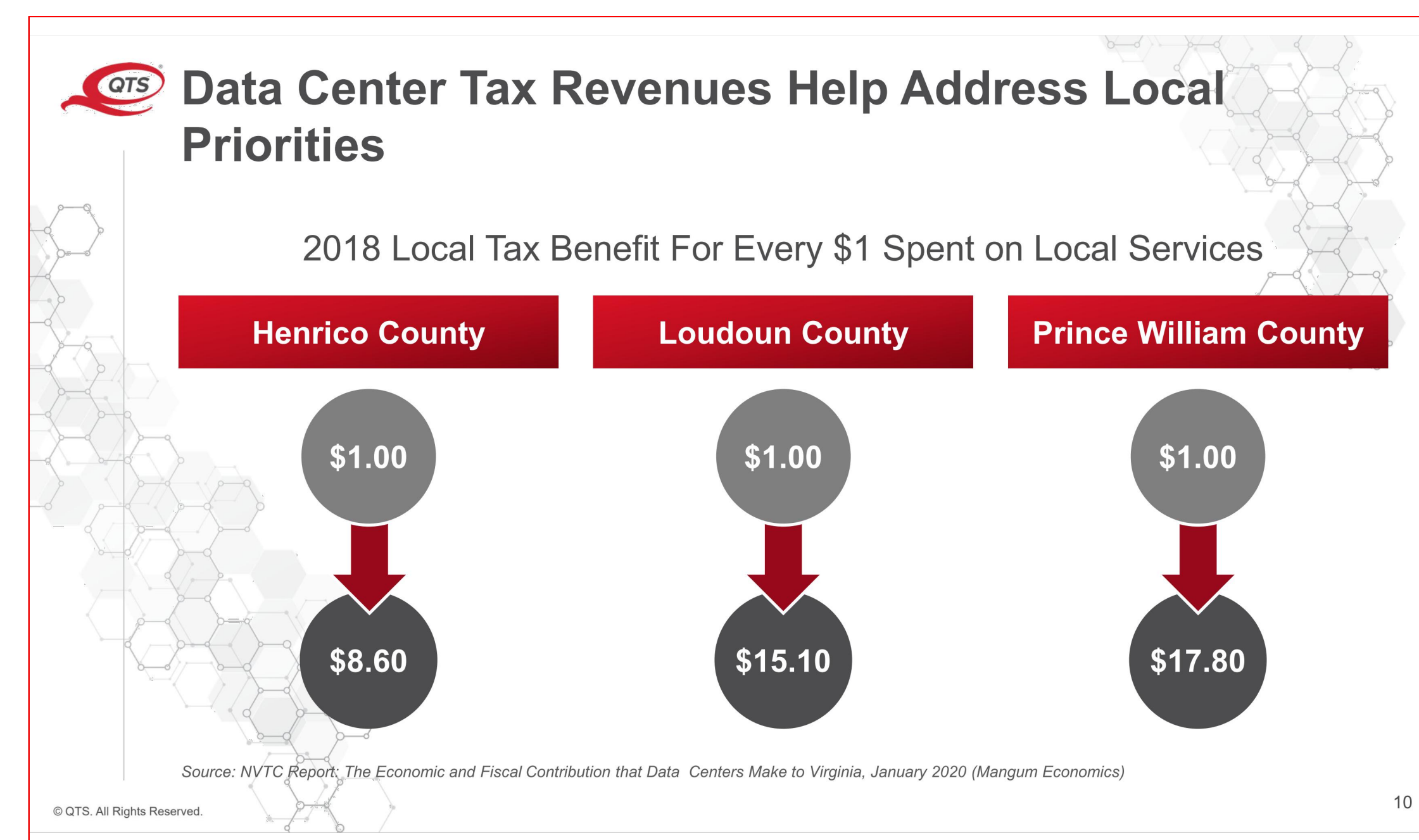
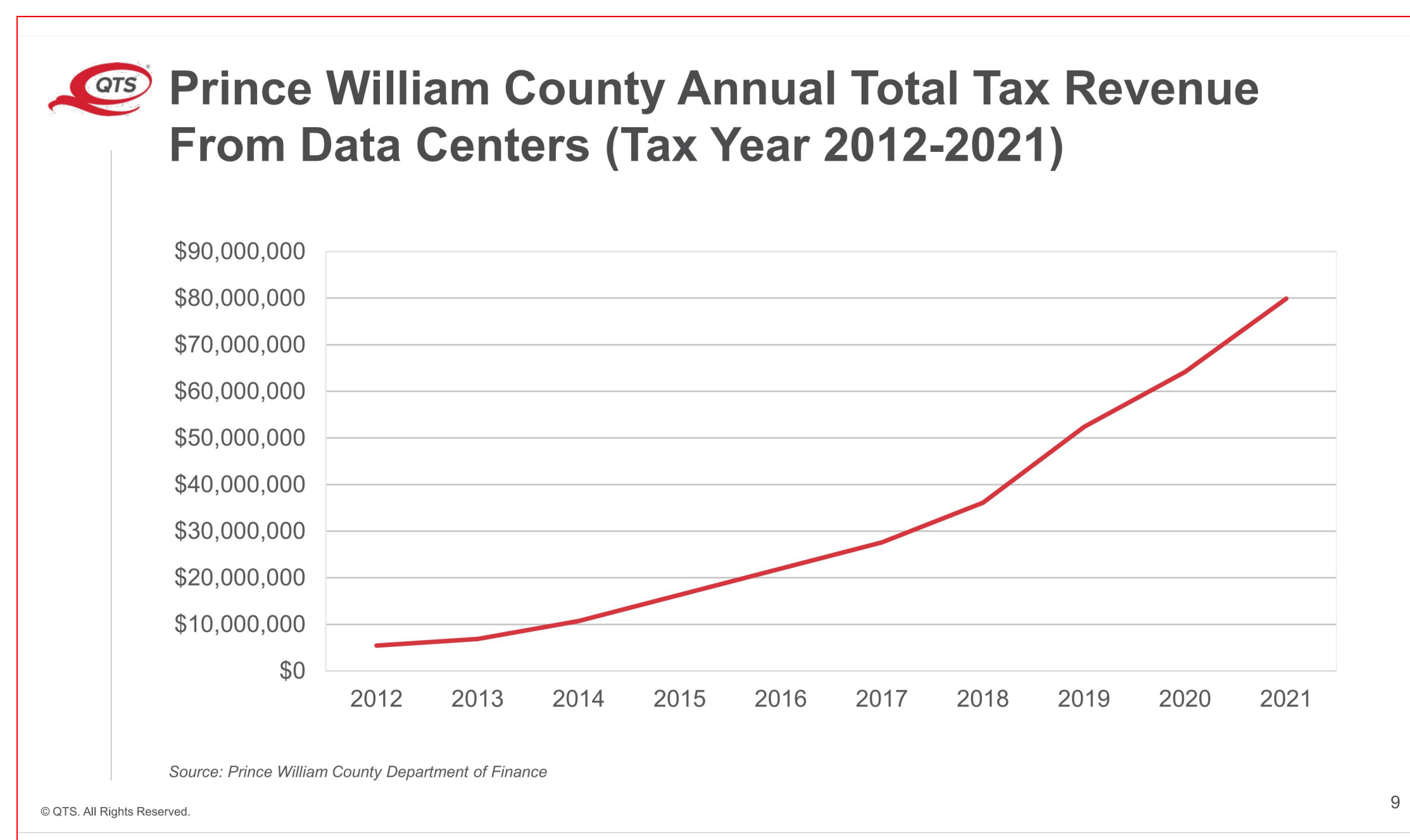
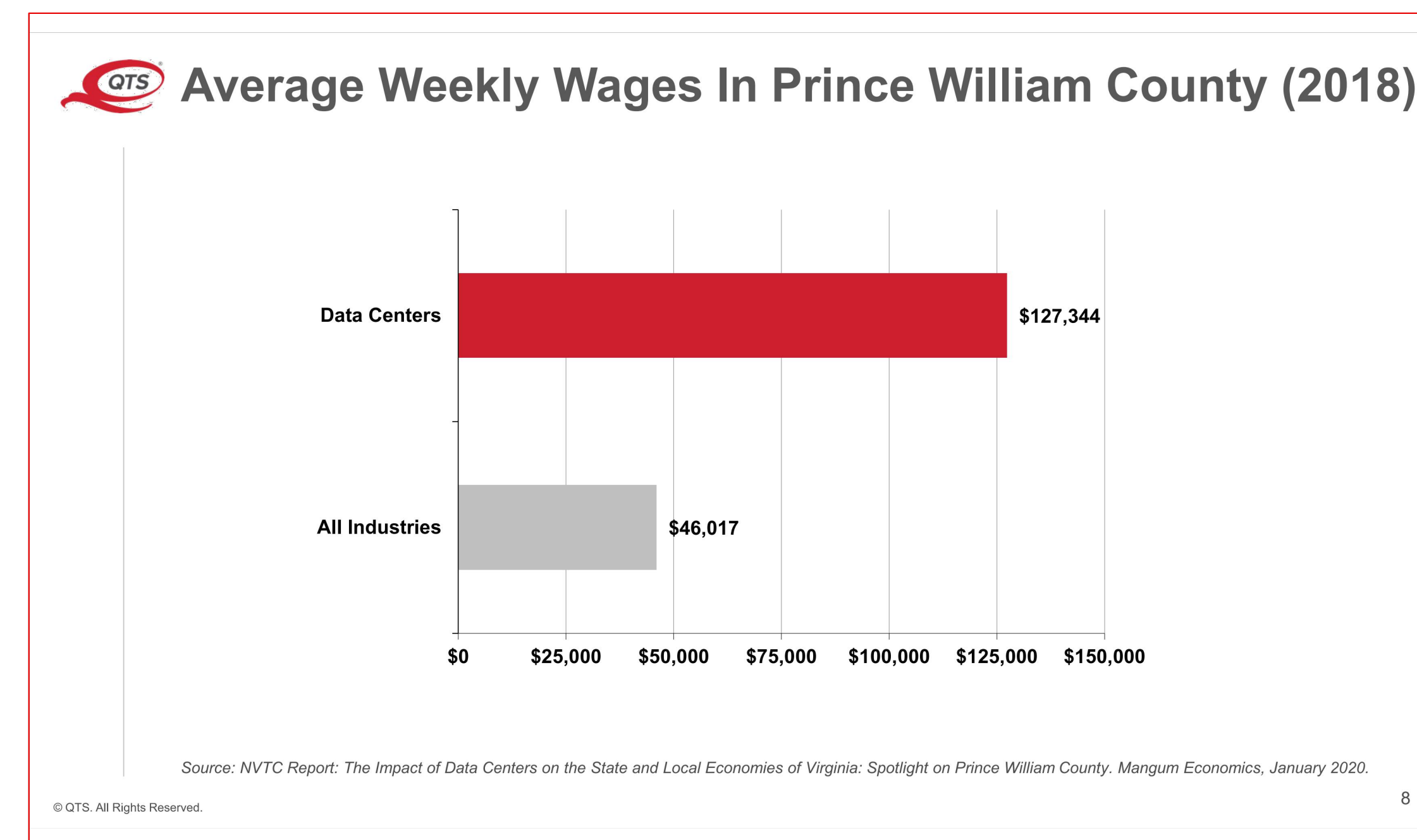
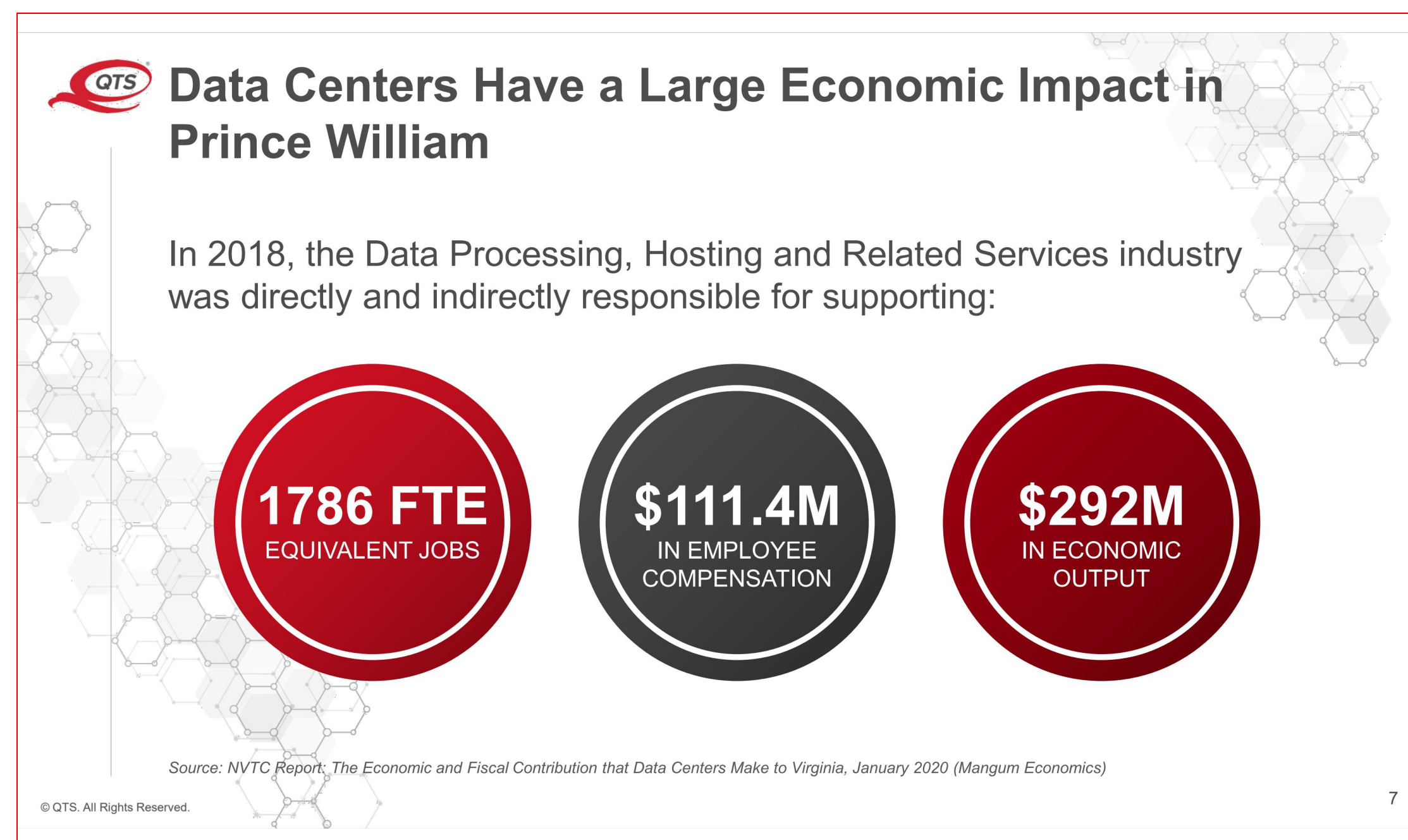
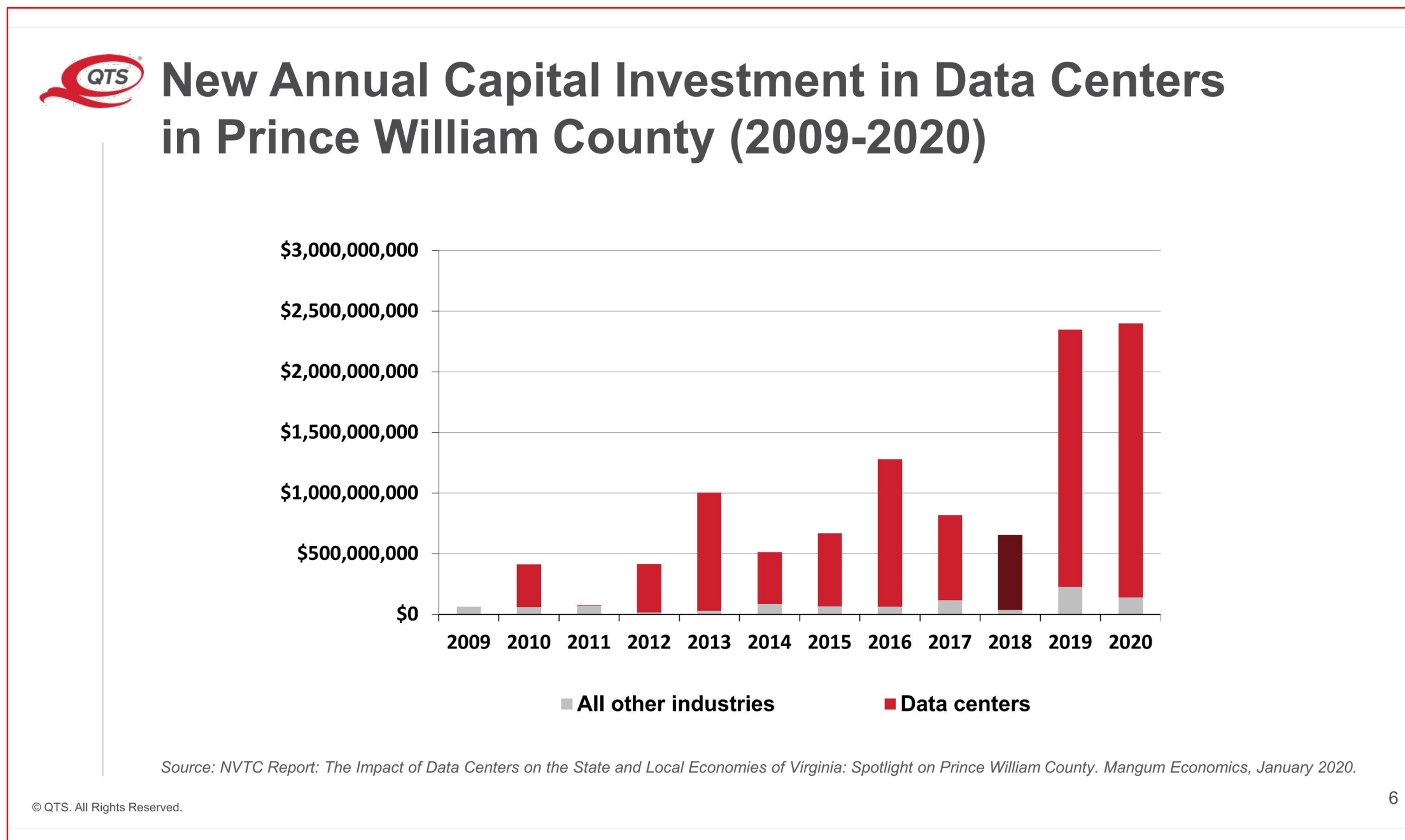
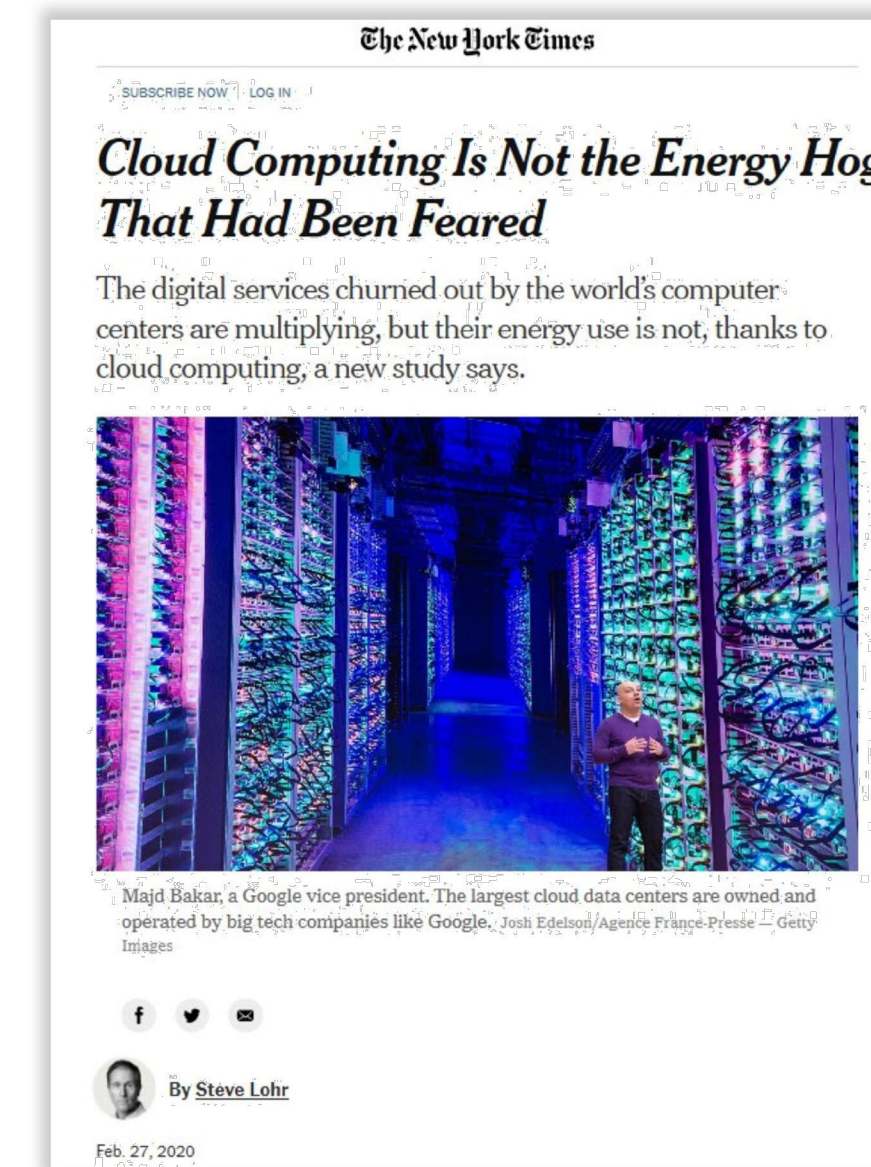


PRINCE WILLIAM COUNTY DATA CENTER STATISTICS



PRINCE WILLIAM COUNTY DATA CENTER SUSTAINABILITY PRACTICES

QTS Data Centers Are Highly Efficient Consumers of Energy



A 2020 study of data centers globally found that while their **computing output jumped 6X from 2010 to 2018**, their **energy consumption rose only 6%**.

Source: New York Times, Cloud Computing Is Not the Energy Hog That Had Been Feared, Feb 27, 2020.



QTS' Sustainability Mission

Environmental Goals

- **Procure** 100% of our power from renewable energy sources by 2025.
- **Pursue** Green Building Certifications in 100% of owned facilities by 2025.
- **Conserve** at least 15 Million gallons of water per year.
- **Install** EV charging stations at 75% of our facilities by 2025.
- **Recycle** 90% of our operational waste by 2025.



QTS Minimal Water Data Centers

DO DATA CENTERS UTILIZE A LOT OF WATER?

Historically, data centers have been large consumers of water, mainly to cooling data center computing equipment.

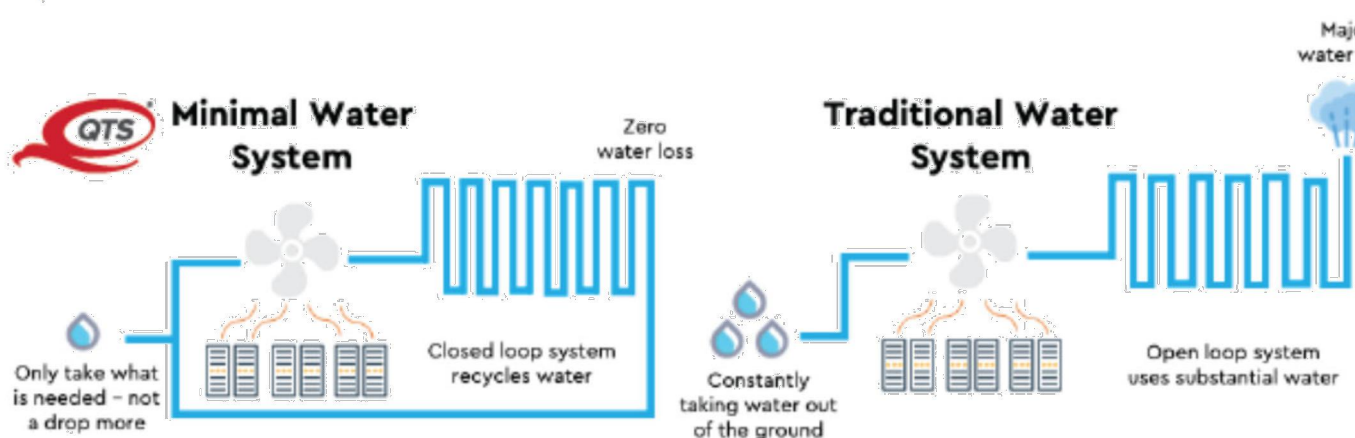
A typical data center can use **24,000 gallons of water per day per 1MW**.
Most data centers range from 10MW all the way up to 100MW and beyond.

HOW DO DATA CENTERS COMPARE IN WATER CONSUMPTION PER DAY?



WHAT HAS QTS DONE ABOUT DATA CENTER WATER USAGE?

QTS uses a **minimal water system**. We employ a closed loop design, meaning we take the water we need, recycling that water, and leaving the rest in the ground.



HOW MUCH WATER IS QTS HELPING SAVE?

48MW QTS MINIMAL WATER DESIGN is **500X** more efficient than traditional data centers. By simply not using water, QTS is leaving **billions of gallons of water** in the ground over the life of a facility.

