

Welcome

Erik Varney

Verizon Business Group

Director Partnerships & Architecture - IIoT & Vehicles



Introduction



Net zero
carbon emissions
in our operations
by 2035



100%
of our total electricity
consumption backed by
renewable energy by 2030



**Recycling, waste diversion,
water conservation**

citizenverizon ✓



Transforming our fleet
Through vehicle
electrification and
charging investments



Fifth
\$1B green bond



Emerging clean transportation is reliant on unified infrastructure.



AVs & EVs

- CV2G | CV2X
- VRU solutions



Electrified & Connected Fleets

- Reduced fuel & maintenance costs
- Increased safety & control



Smart City Applications

- More information available to citizens
- Intelligent lighting



Public Transportation Electrification

- Increased reliability
- Decreased noise & pollution



EV Charging

- Connected patient experiences
- Provider data



Distributed energy resources

Underpinned by a standards based platform that enables distributed intelligence and grid edge.



Massive demand for reliable energy requires intelligent infrastructure management.

Our grid infrastructure lacks unification

- Aging infrastructure; design does not meet society's evolving needs

Dated technology may be slow

- Under increased pressure

Costly to maintain

- Labor intensive

Security concerns

- Cyber attacks increasing

Measure. Monitor. Manage. Control.



Next steps



**Curate new partnerships;
incentivize all stakeholders**

5G




**Leverage fast, scalable &
reliable networks to connect
the ecosystem**



**Utilize near real-time data
and generative AI**

Reliability. Transparency. Safety. Innovation.





Regarding Mobility & Clean Transportation, to achieve Boston's climate, health and equity goals, a critical obstacle to collectively overcome in 12 months is _____.

a lack of dynamic grid management to securely monitor all components in near real time and to support dynamic demand.



verizon^v
business