



Transportation Electrification

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Agenda

- Electrification in General
- Electrification at Evergy
- Next Steps



Energy & Electrification



Introduction to Evergy



Serving **1.6 million** customers in Kansas and Missouri



Evergy is focused on **people first** and **moving energy forward**, offering innovative solutions and providing reliable and safe energy to its customers



Nearly half the power Evergy generates for delivery to homes and businesses comes from **emission-free sources**

Service Territory





Our electrification vision

VISION

To unlock the value of electrification through **innovative initiatives** that complement our industry-leading portfolio of **sustainable, customer-centric energy solutions**.

MISSION

We empower Evergy customers with electrification solutions that leverage our carbon free resources to **improve the environment, lower customer costs, and enhance grid operation**.



GUIDING PRINCIPLES:

- Clean community benefits
- Proactive engagement
- Customer empowerment
- Cost effective solutions & reliable service

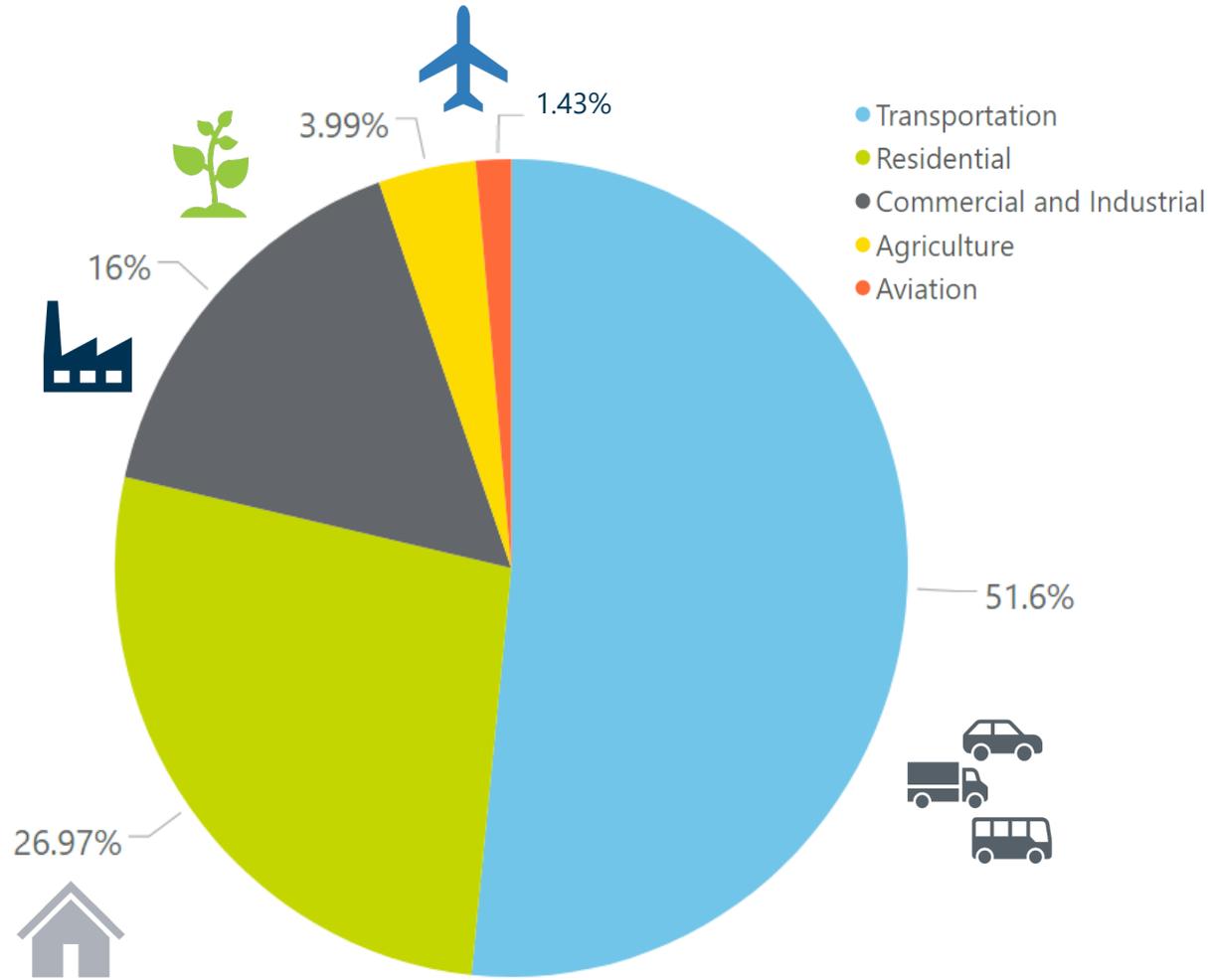
What is electrification?

- Electrification involves electrifying end uses currently served by other energy sources
- **Beneficial electrification*** has been described as electrification of an end use that meets *at least* one of the following conditions, without adversely affecting the other two:
 - Saves consumers money over the long run;
 - Enables better grid management; and
 - Reduces negative environmental impacts.

**as defined by the Regulatory Assistance Project (RAP) in “Beneficial Electrification – Ensuring Electrification in the Public Interest” (June 2018)*



Every major sector is electrifying



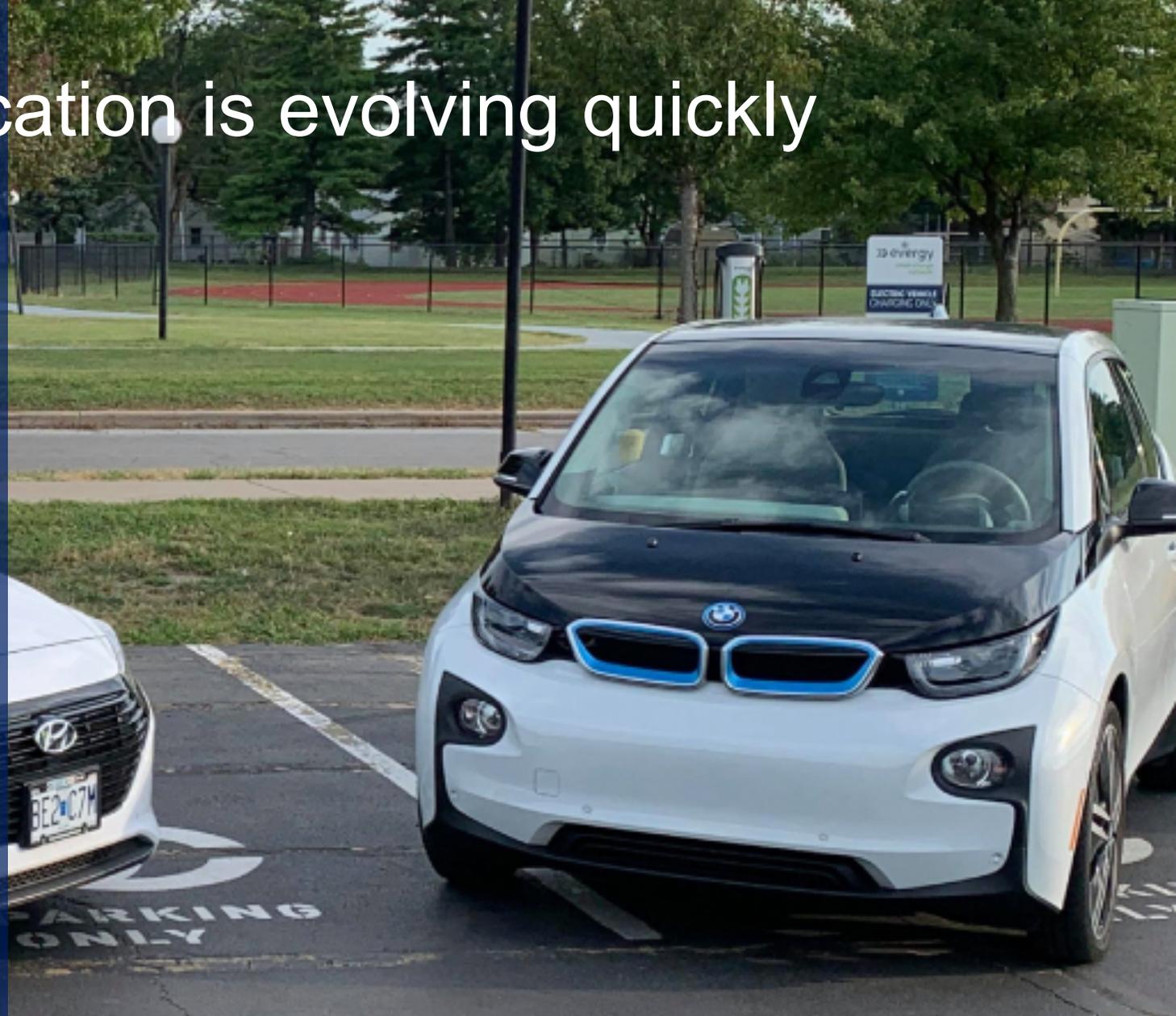
- 45,000+ annual Gigawatt-hours **market potential** in Evergy's territory
- That represents 107% of Evergy's 2019 retail sales

Evergy Electrification Market Potential Assessment conducted by 1898 & Co. in early 2020

Transportation electrification is evolving quickly

Why now?

- Electric vehicle technology is increasingly viable and cost-effective for cars, buses, and commercial vehicles
- Cleaner grid makes transportation sector decarbonization more potent
- Automakers are making the switch
- Mainstream market awareness is high
- State and federal policies and incentives are driving consumer action
- Transportation is about 52% of electrification market potential in Evergy's territory

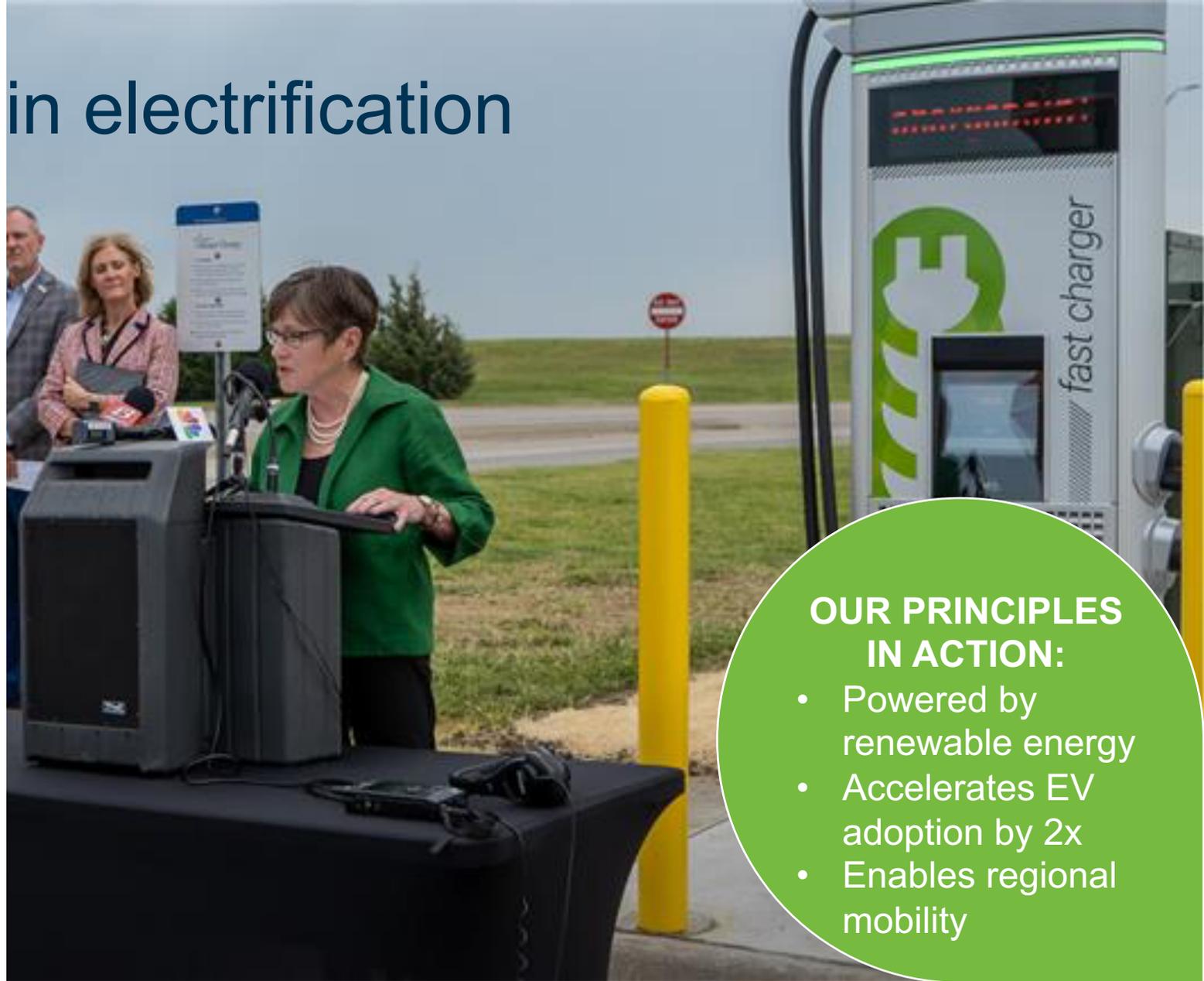




Evergy's success in electrification

CLEAN CHARGE NETWORK (CCN)

- Commissioned in 2015, now with 1,000 charging stations
- Alleviates range anxiety and increases EV adoption
- Builds a reputation as an innovative and sustainable place to live and work



OUR PRINCIPLES IN ACTION:

- Powered by renewable energy
- Accelerates EV adoption by 2x
- Enables regional mobility

Evergy's success in electrification

A few more ways we are accelerating EVs beyond the CCN



**Partnerships with Area
Transit Authorities**



**Rates that favor both
customers and grid**

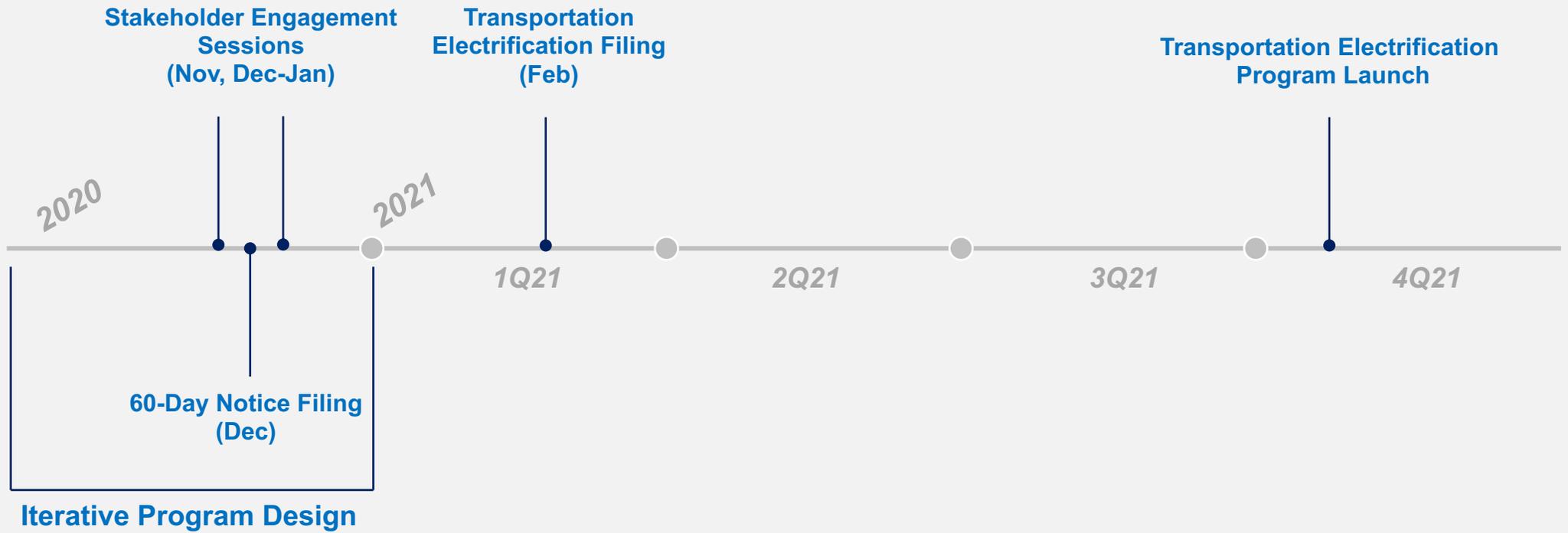


**Award Winning
Marketing & Outreach**

Next Steps



What's next





We're listening

Evergy is conducting informational sessions with Staff and other interested parties:

Phase 1
Commission Staff
High level discussion of electrification and proposed scope of 1Q21 filing

Phase 2
Commission Staff, Most IRP Intervenors
High level discussion of electrification and proposed scope of 1Q21 filing

Phase 3
Commission Staff, Most IRP Intervenors
Detailed discussion of 1Q21 filing scope



November 4

November 19

TBD (Dec-Jan)



November 3

November 10

TBD (Dec-Jan)



Thank you!

www.evergy.com

