

# **SUMMARY OF REPORTS OF UMKC GRAD STUDENT TEAMS ON ELECTRIC VEHICLES & OTHER ALTERNATIVE FUEL SYSTEMS FOR CITY'S VEHICLES FLEET**

Presentation to City of Kansas City, MO

Transportation, Infrastructure & Operations Committee

October 22, 2024



# AUTHORS OF THE TWO REPORTS

- Fall 2023 Report:
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  - Janelle Sjue
  - Matt Walker

## Spring 2024 Report:

- Lukas Fields
- Tiana Mohr
- Alaine Tate

# LEAD PROJECT MENTORS

- UMKC Mentor:
  - Tony Luppino, Professor and Director of Center for Law, Entrepreneurship & Innovation
  
- Community Mentor:
  - Al Winder, AL Winder & Associates

# BACKGROUND

- UMKC interdisciplinary Selected Projects in Law, Technology & Public Policy (LT&PP) course.
- Origin of this two-semester Project (Fall Semester 2023 and Spring Semester 2024)
- Overview of Project methodology

# PRINCIPAL CONTENT: FALL 2023 REPORT

- Laws & Regulations: Compliance and Funding/Incentives
- Technology Considerations in Fleet Electrification Planning
- Fleet Electrification RFP Features/Characteristics
- Recommendations and Next Steps

# PRINCIPAL CONTENT: SPRING 2024 REPORT

- Alternative Fuel Vehicles (for City's fleet & KCATA buses)
- Workforce Development
- Funding
- Community Engagement
- Safety
- Recommendations and Next Steps

# SUMMARY OF LEARNING & RECOMMENDATIONS

- Perspectives on the power of collaborations
- Some key observations
- Next steps recommendations