



City Council Study Session Minutes

January 27, 2025 6:00 PM

Council Chambers - 111 E. Maple Ave.

PRESENTATIONS

1. Critical Materials Crossroads Energy Materials Campus at Lake City

Jamie Andes presented on this topic. He works for UMKC.

Critical Materials Crossroads seeks to develop an Energy Materials Campus on 400 acres at the Lake City Army Ammunition Plant to produce intermediate and active material.

This project would:

Create 10,000 jobs in Kansas and Missouri

Create 2500 jobs at Lake City

\$17B gain to the MO GDP

\$40B impact by 2035

Create 100 kilotons/year of Cathode Active Material by 2035

The production would be a 4-step process. Steps 2 and 3 would occur here. Those are converting the concentrates to powder then powder to active materials.

407 acres of ground would be leased for this.

The railroad would be used to transport this material to Lake City.

There would be a separate entrance to this area.

Economic Impacts to KC Metro

- \$17 Billion gain in GDP (5.8%)
- \$40 Billion in gross output
- \$3 billion in equipment and facilities
- \$553 Million in tax revenue

Additional Economic Impacts to KS and MO Kansas

- \$527M gain in GDP

- \$1,462M in gross output
- 327 jobs created

Workforce Impacts to KC Metro

- ~2,500 direct jobs
- ~3,100 indirect jobs
- ~3,300 induced jobs
- Average salary of over \$76,000/yr
- Over 9,500 jobs created in KS & MO

Investments

- Site work, utilities, rail: \$77 M (2026-32)
- Construction of facilities: \$1.07 B (2027-35)
- Material moving and facility equip: \$1.93 B (2027-35) Missouri
- \$887M gain in GDP
- \$1,793M in gross output
- 568 jobs created

Step 1 - Mine the rock out of the ground

Step 2 - The material would go to the campus and refine it down to a battery grade material

Step 3 - The material is mixed with other like battery materials

Step 4 - ship it to places that would make it into a battery

The current plan is to work with the first responders that are currently employed at Lake city, as they have their own team already on-site. Back-up first responders would be trained. They are processing powders and not batteries so they would not be a battery fire.

Meet or exceed all EPA requirements for the State of Missouri. They will put in their own waste-water plant. Output will be the Little Blue Trace.

The goal is by 2035, this company would supply 1/10 of the US consumption of those two materials.

There will be no lead material brought to this area by them.

They would partner with Centerpoint and other medical staff for training of treatment of any possible injuries that could occur with processing this material.

Because this is a federal site, they would fall under federal regulations.

He does not know the hazards if this material were to be spilled into the ground, but he can find out.

This presentation is to just to make the public aware of what they are trying to do.

2. GO Bond Question 1 Overview: Animal Shelter

Christina Heinen, Director of Animal Services spoke on this item.

The facility is 30,000 sq ft. There is space for 100 dogs and 100 cats. There is a vet clinic with surgical space. It has 6 enclosed outdoor play yards and 2 laundry facilities.

The GO Bond would purchase the building that belongs to the Animal Shelter.

The City owns the land, County owns the building.

The County constructed the building for \$5.5M and still owes \$3M

Current issues with the shelter:

- Fire suppression
- Artificial turf replacement
- Plumbing issues
- HVAC repair
- Fencing
- Door closers
- Roof leaks

The cost to build a comparable site ranges from \$6.3M to \$1.9M.

The turf and fencing are important because this is where the dogs play and go to the bathroom.

The fencing is required because they need to be safe, it keeps them contained and wildlife out.

The turf is so they can control communicable diseases. They can clean it versus natural grass that cannot be cleaned.

The dogs spend about 23 hours a day in their kennels, so the time they have to get out and get exercise is extremely important.

Hot water is important for communicable disease control, and for cleaning the kennels, the bedding and food bowls. Staff also needs to be able to wash their hands after surgeries or handling the dogs.

It is important for the City to own this building because it is City staff that is there every day.

The County has neglected needed repairs for long periods of time. The City should be in charge of taking care of it and making the needed repairs to it for the safety of staff and animals.

Right now the agreement with the County states that the City will house the animals picked up in unincorporated areas of the County. If the City buys this building, that agreement would be terminated and the County would have to pay for their own animal control and shelter. As of right now, we do not have a working contract with the County. The City has reached out many times over the past couple of years to discuss the contract, with no response.

INFORMATION ONLY

1. ***Please Note:*** In accordance with RSMo. 610.021, the City Council may convene in an Executive Session during or after the meeting, in the Council Chambers and move to Conference Room D for the closed meeting, on matters of litigation, legal action,

and/or attorney client communications, as permitted by Sec. 610.021(1), on matters of personnel, as permitted by Sec. 610.021(3) and personnel records, as permitted by 610.021(13), on matters of contracts, as permitted by 610.021(12), on matters of real estate, as permitted by 610.021(2) and/or matters of labor negotiations, as permitted by 610.021(9).