

**357th MEETING OF THE  
STATE ENVIRONMENTAL IMPROVEMENT  
AND ENERGY RESOURCES AUTHORITY  
EIERA Office  
425 Madison Street, Second Floor  
Jefferson City, Missouri**

**February 15, 2023  
10:00 a.m.**

**[Join WebEx Meeting](#)**

Teleconference Call Number: **1-650-479-3207**  
WebEx Meeting Number (Access Code): **2459 532 1227**  
Meeting Password: **yBtNJXZ673**

1. Call to Order
2. Approval of Minutes
  - A. Approval of the Minutes from the 356<sup>th</sup> Open WebEx Meeting of the Authority held November 17, 2022, in Jefferson City, Missouri
  - B. Approval of the Minutes from the 356<sup>th</sup> Closed WebEx Meeting of the Authority held November 17, 2022, in Jefferson City, Missouri
3. Missouri Market Development Program
  - A. Program Update
  - B. Consideration of the Funding Recommendation for the EcoTire Treading Co., LLC DBA EcoShred Project and Authorizing the Director or Designee to Enter Into an Agreement on Behalf of the Authority
  - C. Consideration of the Funding Recommendation for the Advanced Concepts Technology LLC Project and Authorizing the Director or Designee to Enter Into an Agreement on Behalf of the Authority
4. Solid Waste Infrastructure for Recycling (SWIFR) Grant Program Application
5. Other Business
  - A. Update on Request for Proposals (Energy Projects)
  - B. Opportunity for Public Comment (Limit of Four Minutes per Individual)
  - C. Next Meeting Date
  - D. Other
6. Closed Meeting Pursuant to Section 610.021(1), (3) and (11) RSMo. (as needed)
7. Adjournment of Closed Meeting and Return to Open Meeting

8. Adjournment of Open Meeting

The Authority may vote to close a portion of the meeting in conjunction with the discussion of litigation matters (including possible legal actions, causes of action, any confidential or privileged communications with its attorneys and the negotiation of items of a contract), real estate matters, personnel matters (including the hiring, firing, disciplining or promoting of personnel), or specification for competitive bidding pursuant to Section 610.021 (1), (3) or (11) RSMo.

---

Members to be Present:

Caleb Arthur, Chair  
Mary Fontana Nichols, Vice Chair  
Deron Cherry, Treasurer, Assistant Secretary  
Nancy Gibler, Secretary

Staff to be Present:

Joe Boland, Executive Director  
Mark Pauley, Deputy Director  
Kristin Allan Tipton, Development Director  
Angie Powell, Missouri Market Development Director  
Cathy Schulte, Fiscal Manager  
Genny Eichelberger, Office Support Assistant

Legal Counsel to be Present:

David Brown, Lewis Rice LLC

**MINUTES OF THE 356TH MEETING OF THE  
STATE ENVIRONMENTAL IMPROVEMENT  
AND ENERGY RESOURCES AUTHORITY**

**EIERA Office  
425 Madison Street, Second Floor  
Jefferson City, Missouri**

**WebEx/In Person Meeting  
November 17, 2022  
10:00 a.m.**

**EIERA MEMBERS:** Caleb Arthur, Chair  
Mary Fontana Nichols, Vice Chair  
Deron Cherry, Treasurer/Assistant Secretary  
Nancy Gibler, Secretary

**EIERA STAFF:** Joe Boland, Executive Director  
Mark Pauley, Deputy Director  
Kristin Allan Tipton, Development Director  
Cathy Schulte, Fiscal Manager  
Genny Eichelberger, Office Support Assistant

**LEGAL COUNSEL:** David Brown  
Lewis Rice LLC

**OTHER  
PARTICIPANTS:** Tom Liu  
BofA Securities, Inc.

Khaleen Dwyer  
Columbia Capital Management, LLC

Guy Nagahama  
Ramirez & Company

Karie Puleo  
UMB Bank, N.A.

**(AGENDA ITEM #1) CALL TO ORDER**

Chair Arthur called the 356th meeting of the State Environmental Improvement and Energy Resources Authority (the “Authority”) to order at 10:00 AM. Chair Arthur took roll call and asked that the meeting record reflect a quorum was present via WebEx video conference.

**(AGENDA ITEM 2) APPROVAL OF MEETING MINUTES**

**(AGENDA ITEM #2A) APPROVAL OF 355TH OPEN TELECONFERENCE MEETING MINUTES (SEPTEMBER 14, 2022)**

The next order of business was to review and approve the meeting minutes of the 355th meeting (September 14, 2022) of the Authority.

**MOTION:** Motion was made by Ms. Fontana Nichols and seconded by Mr. Cherry to approve the minutes of the 355th meeting of the Environmental Improvement and Energy Resources Authority. By roll call vote, Mr. Cherry, Ms. Fontana Nichols, Ms. Gibler and Chair Arthur all voted in favor. Motion carried.

**(AGENDA ITEM #2B) APPROVAL OF 355TH CLOSED TELECONFERENCE MEETING MINUTES (SEPTEMBER 14, 2022)**

The next order of business was to review and approve the closed teleconference meeting minutes of the 355th meeting (September 14, 2022) of the Authority.

**MOTION:** Motion was made by Ms. Fontana Nichols and seconded by Ms. Gibler to approve the closed teleconference minutes of the 355th meeting of the Environmental Improvement and Energy Resources Authority. By roll call vote, Ms. Gibler, Ms. Fontana Nichols, Mr. Cherry and Chair Arthur all voted in favor. Motion carried.

**(AGENDA ITEM #3) ENERGY BANK UPDATE**

Mr. Boland reported to the Board that staff continues to meet with the Missouri Department of Natural Resources’ Division of Energy (MoDNR-DE) in development of the Missouri Energy Infrastructure Bank.

Mr. Boland explained that the Greenhouse Gas (GHG) Reduction Fund consists of three pots of funding that will be awarded on a competitive basis. Funding will be available from EPA to award grants until September 30, 2024; \$7 billion to make grants to states, municipalities, tribes and eligible

recipients to enable low-income and disadvantaged communities to deploy or benefit from, for zero emission technologies including distributed technologies on residential rooftops; \$12 billion, the most flexible pot, to make grants to eligible recipients for projects that reduce GHG emissions and other forms of air pollution; and \$8 billion to eligible recipients for projects that reduce GHG emissions and other forms of air pollution focusing on low-income and disadvantaged communities.

Mr. Boland stated that to have the Authority's voice heard, the Authority introduced itself to the Coalition for Green Capital which is a national non-profit that has been pushing for the legislation and also helped draft it. The Authority is also a contributing member of the Zero Emissions Technology (ZET) workgroup which intends to provide EPA input to consider when implementing this new legislation. In addition, the Environmental Financial Advisory Board (EFAB), an official advisory board to the EPA, has been formally tasked with providing the EPA with implementation guidance.

Staff will monitor what is happening at the federal level and will continue to coordinate with our partners at MoDNR-DE. Staff will also be submitting comments on the Request for Information to the Greenhouse Gas Reduction Fund, which are due by December 5, 2022.

Mr. Boland stated that the Authority has all the legal structure in place to implement an Energy Infrastructure Bank, but not the capital. He said that the Authority, in cooperation with MoDNR-DE, has drafted a Request for Proposals to solicit projects as soon as possible to build an inventory of projects in order to have a competitive application when the time comes. He noted that the RFP would be discussed in closed session.

Discussion ensued.

**(AGENDA ITEM #4) OTHER BUSINESS**

Mr. Boland reminded the Board that at the previous meeting the Authority discussed a shortfall of interest revenue in the State Revolving Fund in the amount of \$347,000. This was caused

by an incorrect calculation of the amount of interest owed by 148 communities. He said that 131 of the communities have taken care of their payment and 17 communities are on a payment plan. He said that all interest shortfalls would be paid by March 20, 2023.

**(AGENDA ITEM #4A) OPPORTUNITY FOR PUBLIC COMMENT (LIMIT OF FOUR MINUTES PER INDIVIDUAL)**

Chair Arthur asked if anyone would like to make a public comment at this time. There were no comments.

**(AGENDA ITEM #4B) NEXT MEETING DATE**

The next meeting date could not yet be determined.

**(AGENDA ITEM #4C) OTHER**

Chair Arthur stated that there are currently several energy stakeholder meetings taking place regarding electric vehicles and the solar industry. He said the legislature would be filing bills that could affect funding.

**(AGENDA ITEM #5) CLOSED MEETING PURSUANT TO SECTION 610.021 (13) RSMO**

**MOTION:** Motion was made by Ms. Gibler and seconded by Ms. Fontana Nichols to close the meeting to discuss confidential or privileged communications with the Authority's attorneys pursuant to Sections 610.021(1) Revised Statutes of Missouri. By voice vote, Ms. Gibler, Ms. Fontana Nichols, Mr. Cherry and Chair Arthur all voted in favor. Motion carried.

**(AGENDA ITEM #6) ADJOURNMENT OF CLOSED MEETING AND RETURN TO OPEN MEETING**

**(AGENDA ITEM #7) ADJOURNMENT OF OPEN MEETING**

There being no further business to come before the Board, there was a motion to adjourn.

**MOTION:** Motion was made by Ms. Gibler and seconded by Mr. Cherry to adjourn the meeting. By roll call vote, Ms. Gibler, Mr. Cherry, Ms. Fontana Nichols and Chair Arthur all voted in favor. Motion carried.

Respectfully submitted,

(SEAL)

---

Chair of the Authority

---

Secretary of the Authority

State Environmental Improvement and Energy Resources Authority  
357<sup>th</sup> Board Meeting  
February 15, 2023

**Agenda Item #3B**  
**MISSOURI MARKET DEVELOPMENT PROGRAM**  
**ECOTIRE TREADING CO. LLC D/B/A ECOSHRED**

**Issue:**

EcoTire Treading Co. LLC d/b/a EcoShred requested \$250,000 to purchase equipment costing \$1,250,000 that would enable the company to convert tire wire to briquettes for processing.

**Action Needed:**

Consideration of the funding recommendations for the EcoTire Treading Co. LLC d/b/a EcoShred project.

**Staff Recommendation:**

Staff recommends funding this project in the amount of \$250,000, not to exceed 50% of the cost of the equipment.

**Staff Contact:**

Angie Powell, Market Development Program Director

**Background:**

EcoTire Treading Co. LLC d/b/a EcoShred, located in Springfield, requested \$250,000 to purchase equipment costing \$1,250,000 that would enable the company to convert tire wire to briquettes for processing.

EcoShred currently produces a variety of products from recovered tires, including rubberized mulch and material for athletic fields and rubberized asphalt. Wire in tires is a byproduct for which there is limited markets due to its light weight and "sponginess." Metal recyclers will accept this material in only limited quantities if at all. Installation of a briquetting system will allow multiple businesses to reuse the material, while other tire processors in the state will benefit by disposing their unwanted tire wire through EcoShred.

EcoShred has been in operation since 2019 and has processed more than 73 million pounds of tires. The company has grown each year and continues to add new product lines and divert greater volumes of tires. The addition of this equipment will enable the company to increase its annual output and create a marketable product from a difficult to handle material.

EcoShred anticipates diverting 10,500 tons annually from the waste stream and creating 1 full time and 2 part time employees with this project.



The Missouri Market Development Program Steering Committee, which includes staff from the Missouri Department of Natural Resources, Missouri Department of Economic Development, the Solid Waste Advisory Board, and the Authority, recommends funding this project in the amount of \$250,000, not to exceed 50% of the cost of the equipment. This funding recommendation was unanimous.

AP:ge

State Environmental Improvement and Energy Resources Authority  
357<sup>th</sup> Board Meeting  
February 15, 2023

**Agenda Item #3C**  
**MISSOURI MARKET DEVELOPMENT PROGRAM**  
**ADVANCED CONCEPTS TECHNOLOGY LLC**

**Issue:**

Advanced Concepts Technology LLC requested \$250,000 to purchase equipment costing \$638,173 that would enable the company to increase production of railroad ties made from scrap tires.

**Action Needed:**

Consideration of the funding recommendations for the Advance Concepts Technology LLC project.

**Staff Recommendation:**

Staff recommends not funding this project at this time.

**Staff Contact:**

Angie Powell, Market Development Program Director

**Background:**

Advanced Concepts Technology LLC, located in Springfield, requested \$250,000 to purchase equipment costing \$638,173 that would enable the company to increase production of railroad ties made from scrap tires.

The company is currently in the testing and prototyping phase and desires equipment to increase production so the product can be properly presented to railroad companies and other potential users.

Advanced Concepts Technology LLC was originally formed and incorporated in 2009. The company changed ownership in 2022 and since that time, no major accounts have been established. Currently, the only products in production are railroad ties made from scrap tires; however, this is still in the prototype stage.

While the Steering Committee is interested in this effort to address scrap tires, the Missouri Market Development Program requires that projects be based on technology that has been demonstrated beyond the research stage and that applicants can document end markets for created products. The company did not demonstrate adequate demand for its proposed product.

The Missouri Market Development Program Steering Committee, which includes staff from the Missouri Department of Natural Resources, Missouri Department of Economic Development, the Solid Waste Advisory Board, and the Authority, recommends not funding this project at this time but encourages the company to re-apply once testing is complete and end markets can be established. This funding recommendation was unanimous.

AP:ge

State Environmental Improvement and Energy Resources Authority  
357<sup>th</sup> Board Meeting  
February 15, 2023

**Agenda Item #4**  
**SOLID WASTE INFRASTRUCTURE FOR RECYCLING GRANT PROGRAM**

**Issue:**

The Infrastructure Investment and Jobs Act (IIJA), also referred to as the Bipartisan Infrastructure Law (BIL), provided appropriations to the U.S. Environmental Protection Agency (EPA) to fund the Solid Waste Infrastructure for Recycling (SWIFR) Grant Program.

**Action Needed:**

Consideration and approval of staff recommendation.

**Staff Recommendation:**

Staff recommends submitting a full application to the SWIFR grant program.

**Staff Contact:**

Mark Pauley and Angie Powell

**Background:**

EPA will allocate the non-competitive funding using a formula that includes a minimum base amount for all states and territories (approximately \$300,000-\$500,000 per applicant in fiscal year 2023) plus additional funds based on individual states' and territories' responses to the below five programmatic factors.

1. Legislation in place that mandates solid waste management planning or a waste characterization report.
2. Depth and breadth of a state's data collection efforts.
3. When a state's solid waste management plan or waste characterization report was last updated.
4. Available resources for implementing a solid waste management program (e.g., budget and personnel).
5. Additional programmatic factors such as the level of environmental justice incorporated into a program, extent of focus on source reduction efforts, climate considerations, or the existence of other grant programs.

Funds awarded under this grant can have up to a three-year project period. No state match is required.

Generally, the grant funds can be used for post-consumer materials management capacity building, planning, and implementation. Specifically, the grant funding may be used for carrying out the activities below, including the costs of staffing/personnel associated with undertaking the activities:

- Develop or update plans to advance post-consumer materials management. Plans can be for solid waste management plans (SWMPs) or other planning documents (e.g., circular economy plans, zero waste plans, climate and materials management plans).
- Develop, strengthen, and/or implement comprehensive data collection efforts that demonstrate progress towards the National Recycling Goal and Food Loss and Waste Reduction Goal.
- Support the state-led implementation of plans to advance post-consumer materials management including, but not limited to: market development; improved recycling and organics collection and management; extended producer responsibility; reducing contamination in the post-consumer recycling stream; and strengthening the connection between climate action and materials management.

The grant time line is:

Notice of intent to participate:	December 15, 2022 (already submitted)
Draft work plan and responses to the above five programmatic factors:	February 3, 2023 (already submitted)
EPA to notify applicants of funding allocation amount:	April 2023
Final work plan due:	May 31, 2023
States will be awarded their cooperative agreement and can begin work:	Summer 2023

Staff will be available for discussion should you have any questions.

MP:ge