

1 AN ACT relating to coal-derived carbon and making an appropriation therefor.

2 *Be it enacted by the General Assembly of the Commonwealth of Kentucky:*

3 ➔SECTION 1. A NEW SECTION OF KRS CHAPTER 152 IS CREATED TO  
4 READ AS FOLLOWS:

5 *(1) As used in this section, "CAER" means the University of Kentucky Center for*  
6 *Applied Energy Research.*

7 *(2) CAER shall establish a research, development, and demonstration program for*  
8 *carbon engineering solutions to enable new uses for coal-derived carbon,*  
9 *including the use and conversion of raw coal and processed coal products in all*  
10 *phases for:*

11 *(a) Commercial purposes;*

12 *(b) Industrial purposes;*

13 *(c) Defense and military purposes;*

14 *(d) Agricultural purposes, including soil amendments and fertilizers;*

15 *(e) Medical and pharmaceutical applications;*

16 *(f) Construction and building applications;*

17 *(g) Energy applications; and*

18 *(h) Production of critical minerals.*

19 *(3) On or before December 1, 2022, and each December 1 thereafter, CAER shall*  
20 *submit a report to the Legislative Research Commission that:*

21 *(a) Describes the progress and results of the program; and*

22 *(b) Includes an analysis of the feasibility of the new uses for coal-derived*  
23 *carbon researched, developed, and demonstrated under subsection (2) of*  
24 *this section.*

25 ➔Section 2. (1) As used in this section, "eligible company" means a  
26 renewable chemical company that:

27 (a) Extracts valuable products from coal combustion waste using a standardized

1 modular plant structure;

2 (b) Uses innovative sequencing and chemical formulas and processes to deliver  
3 marketable commodities; and

4 (c) Recovers materials that are in demand within the production of fertilizer,  
5 industrial additives, cement, and specialty filler products.

6 (2) CAER, acting jointly with an eligible company, shall conduct a study to  
7 determine the feasibility of, and opportunities for, the commercialization of coal fly ash  
8 and coal-derived carbon products. On or before December 1, 2022, CAER shall file a  
9 report with the Legislative research Commission detailing the results of the study and  
10 making recommendations for the establishment of a coal-carbon products center of  
11 excellence in a major coal-producing region of eastern Kentucky.

12 (3) On or before January 1, 2023, CAER shall, in partnership with an eligible  
13 company, commence a two-year pilot and demonstration program in a coal-producing  
14 county of eastern Kentucky for the purpose of accelerating the commercial deployment of  
15 coal-carbon fly ash. There is hereby appropriated General Fund moneys in the amount of  
16 \$10,000,000 to the University of Kentucky in fiscal year 2022-2023 to accomplish the  
17 purposes of this subsection.

18 (4) There is hereby appropriated General Fund moneys in the amount of  
19 \$10,000,000 to the University of Kentucky in fiscal year 2022-2023 to establish the  
20 program created in Section 1 of this Act and to carry out the study described in subsection  
21 (2) of this section.

22 ➔Section 3. This Act may be cited as the Coal Fly Ash Act of 2022.