
THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE RESOLUTION

No. 200 Session of
2022

INTRODUCED BY KAUFER, WEBSTER, KENYATTA, HILL-EVANS, BOBACK,
HENNESSEY, FREEMAN, BURNS, MILLARD, SANCHEZ, N. NELSON AND
SCHLEGEL CULVER, MAY 11, 2022

REFERRED TO COMMITTEE ON ENVIRONMENTAL RESOURCES AND ENERGY,
MAY 11, 2022

A RESOLUTION

1 Directing the Joint State Government Commission to conduct a
2 study on the feasibility of using geothermal energy
3 technologies that utilize abandoned mining locations and
4 operations in this Commonwealth and issue a report of its
5 findings and recommendations to the House of Representatives.

6 WHEREAS, In the former coal mines located in the United
7 Kingdom, abandoned mines which once fueled the Industrial
8 Revolution are now being retrofitted to utilize new technology;
9 and

10 WHEREAS, The objective behind retrofitting abandoned coal
11 mines is to generate an alternative source of heat in a cost-
12 effective manner to offset rate impacts; and

13 WHEREAS, Former mining sites often flood and the water must
14 be subsequently pumped out and cleaned to prevent contamination
15 of drinking supplies at an eventual cost to consumers or
16 taxpayers; and

17 WHEREAS, Through the application of heat pumps, the
18 floodwater temperature, which is already warmed in the mines

1 deep underground, could be further increased and piped into
2 homes and other structures to serve as a constant source of
3 heat; and

4 WHEREAS, This process would produce almost no carbon while
5 harnessing a steady stream of cheap and reliable heating and
6 minimizing costs; and

7 WHEREAS, Multiple plans of a similar nature are in
8 development outside of the United States; and

9 WHEREAS, In addition to producing energy, these plans would
10 create an industry of technicians and engineers which will be
11 needed to build and service this new geothermal infrastructure;
12 and

13 WHEREAS, Since many former mining communities were built in
14 close proximity to where the coal was mined, there is a
15 substantial possibility for these residents to benefit from the
16 creation of a new geothermal energy industry; and

17 WHEREAS, The power-producing legacy of more than 100 years of
18 mining could continue in a manner that has a positive impact
19 economically and environmentally for generations to come; and

20 WHEREAS, Refocusing attention and retrofitting this
21 Commonwealth's abandoned coal mines for the purpose of
22 geothermal energy could be transformative for the production of
23 low-cost, zero carbon energy in former mining communities;
24 therefore be it

25 RESOLVED, That the House of Representatives direct the Joint
26 State Government Commission to conduct a study on the
27 feasibility of using geothermal energy technologies that utilize
28 abandoned mining locations and operations in this Commonwealth,
29 including the costs to ratepayers of public utilities, and issue
30 a report of its findings and recommendations to the House of

1 Representatives; and be it further

2 RESOLVED, That the study:

3 (1) identify and examine potential efforts and
4 procedures, measures, statutes and management
5 responsibilities of State agencies, public utilities,
6 nongovernmental organizations and academic institutions to
7 assist in determining the feasibility of utilizing abandoned
8 coal mines for the purpose of geothermal energy with a
9 particular focus on the impact to consumers in this
10 Commonwealth;

11 (2) conduct an economic impact analysis regarding the
12 widespread utilization of abandoned coal mines for the
13 purposes of geothermal energy in this Commonwealth in varying
14 degrees of scale and cost-effective deployment;

15 (3) identify possible best practices regarding the
16 development of the necessary infrastructure to support the
17 widespread use of abandoned mines for the production of
18 geothermal energy; and

19 (4) identify financial mechanisms or potential cost-
20 effective deployment throughout private entities and options
21 for the development of a Statewide mine geothermal energy
22 program and related infrastructure in this Commonwealth;

23 and be it further

24 RESOLVED, That the Joint State Government Commission consult
25 with stakeholders that:

26 (1) have organizational missions and expertise regarding
27 consumer affairs, the economy, electricity generation and
28 distribution, the infrastructure and operations of public
29 utilities, the environment, the health and safety of
30 Commonwealth residents, mining, water quality issues and both

1 rural and urban affairs;

2 (2) collect data on the benefits that retrofitting
3 abandoned coal mines for the utilization of geothermal energy
4 may have regarding consumer impacts, the economy, electricity
5 generation and distribution, the environment, the health and
6 safety of Commonwealth residents, mining, water quality
7 issues and both rural and urban affairs; and

8 (3) have knowledge of issues relevant to the study;
9 and be it further

10 RESOLVED, That the Joint State Government Commission prepare
11 a report of its findings and recommendations and submit the
12 report to the House of Representatives no later than 18 months
13 after the adoption of this resolution.