

1 State of Arkansas  
2 86th General Assembly  
3 Regular Session, 2007

HCR 1040

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5 By: Representative Pickett  
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8 **HOUSE CONCURRENT RESOLUTION**

9 REQUESTING THAT THE JOINT PERFORMANCE REVIEW  
10 COMMITTEE STUDY THE ENVIRONMENTAL IMPACT OF THE  
11 FAYETTEVILLE SHALE PLAY ON THE WATER SUPPLY OF  
12 THE FAYETTEVILLE SHALE REGION; AND FOR OTHER  
13 PURPOSES.  
14

15 **Subtitle**

16 REQUESTING THAT THE JOINT PERFORMANCE  
17 REVIEW COMMITTEE STUDY THE ENVIRONMENTAL  
18 IMPACT OF THE FAYETTEVILLE SHALE PLAY ON  
19 THE WATER SUPPLY OF THE FAYETTEVILLE  
20 SHALE REGION.  
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23 WHEREAS, the recent activity in the Fayetteville Shale region  
24 concerning the discovery of natural gas has lead to the drilling and  
25 extraction of that gas from the subsurface; and  
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27 WHEREAS, the drilling process requires water from the region in  
28 significant amounts; and  
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30 WHEREAS, a natural byproduct of the drilling process is brine water  
31 that contains a high concentration of sodium chloride that must be properly  
32 treated and disposed of as wastewater to prevent environmental contamination;  
33 and  
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35 WHEREAS, water is a precious resource and may not be immediately  
36 replenished if pumped from an aquifer; and



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2 WHEREAS, the communities in the Fayetteville Shale region must be  
3 informed and prepared for the impact of drilling on their water supply;

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5 NOW THEREFORE,

6 BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES OF THE EIGHTY-SIXTH GENERAL  
7 ASSEMBLY OF THE STATE OF ARKANSAS, THE SENATE CONCURRING THEREIN:

8  
9 THAT the Joint Performance Review Committee conduct a study on the  
10 impact of the use of water in drilling operations in the Fayetteville Shale  
11 region and the impact of the disposal of brine wastewater in the Fayetteville  
12 Shale region. The study should include:

13 (a) A determination of the source of water used in proposed and  
14 current drilling processes and operations;

15 (b) A determination of the amount of water used in proposed and  
16 current drilling processes and operations;

17 (c) An overview of the current disposal technique and technologies for  
18 the brine wastewater at operating drilling sites;

19 (d) The review of environmentally sound brine wastewater disposal  
20 techniques and technologies after drilling has occurred;

21 (e) The environmental impact of the drilling on area water supplies  
22 and

23 (f) The communities' plans for ensuring that drinking water sources  
24 remain safe and plentiful.

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26 BE IT FURTHER PROPOSED that the Joint Performance Review Committee  
27 prepare a report detailing the results of the study on or before November 1,  
28 2007.