

AMENDMENT TO RULES COMMITTEE PRINT

116-63

OFFERED BY MR. DOGGETT OF TEXAS

Page 383, after line 7, insert the following:

1 **SEC. 3115. NATIONAL ACADEMY OF SCIENCES STUDY ON**
2 **CARBON CAPTURE TECHNOLOGY.**

3 (a) IN GENERAL.—The Secretary of Energy shall
4 enter into an agreement with the National Academy of
5 Sciences, Engineering, and Medicine to conduct a study
6 evaluating the efficacy of carbon capture and storage tech-
7 nology by industry in reducing emissions and the cost-ef-
8 fectiveness of such technologies. Such study shall include
9 a description of the following:

10 (1) Analysis of the effectiveness of emissions re-
11 ductions and cost through implementation of carbon
12 capture as compared to transitioning to other low-
13 emissions technologies.

14 (2) Differences in performance of various car-
15 bon capture technologies and storage methods, in-
16 cluding the net amount of carbon dioxide that can
17 be permanently sequestered, the cost (in terms of
18 dollar per ton captured/sequestered) of each tech-
19 nology, and the potential to increase the net amount

1 of carbon dioxide captured/sequestered and lower
2 operational costs.

3 (3) Barriers, in terms of cost, infrastructure,
4 geology, aquifers, and markets, to ensuring perma-
5 nent carbon storage including both point of source
6 capture and removal from the atmosphere of cap-
7 tured carbon dioxide.

8 (4) Analysis of the lifecycle emissions associated
9 with carbon capture technologies, including construc-
10 tion and operation of the carbon capture technology,
11 as well as transport, processing, and injection of car-
12 bon dioxide, including the permanence of carbon
13 storage and sequestration, and strategies to reduce
14 those emissions. This should include the amount of
15 carbon dioxide emitted from a facility outfitted with
16 carbon capture technologies that is permanently se-
17 questered compared to the amount of carbon dioxide
18 emitted by the carbon capture process itself.

19 (5) Evaluation of the impact of carbon capture
20 technologies on air pollution, including particulate
21 emissions and ozone precursors, with specific anal-
22 ysis on the impacts on communities historically over-
23 burdened with pollution, including rural commu-
24 nities.

1 (b) REPORT.—The agreement under subsection (a)
2 shall specify that, not later than 1 year after the date of
3 enactment of this Act, the National Academy of Sciences
4 shall submit to Congress a report containing the results
5 and findings of study authorized under this section.

Page 5, in the table of contents, after the matter re-
lated to section 3114, insert the following:

Sec. 3115. National Academy of Sciences study on carbon capture technology.

