

AMENDMENT TO
OFFERED BY MR. TONKO OF NEW YORK

Page 593, after line 17, insert the following new subtitle:

1 **Subtitle G—Low-carbon Fuels**

2 **SEC. 6701. STUDY BY NATIONAL ACADEMY OF SCIENCES.**

3 (a) IN GENERAL.—The Administrator of the Envi-
4 ronmental Protection Agency, after consultation with the
5 Secretary of Energy and the Secretary of Agriculture,
6 shall seek to enter into an agreement with the National
7 Academy of Sciences (or, if the Academy declines, another
8 appropriate entity) under which the Academy (or other ap-
9 propriate entity) agrees to—

10 (1) assess current methods for life cycle green-
11 house gas emissions analyses for low-carbon trans-
12 portation fuels in the United States; and

13 (2) develop a framework for assessing broader
14 environmental implications of low-carbon transpor-
15 tation fuels in addition to greenhouse gas emissions.

16 (b) TIMING OF AGREEMENT.—The Administrator
17 shall seek to enter into the agreement described in sub-
18 section (a) not later than 60 days after the date of enact-
19 ment of this Act.

1 (c) ASSESSMENT.—The assessment pursuant to sub-
2 section (a)(1) shall examine methods for calculating life
3 cycle greenhouse gas emissions associated with transpor-
4 tation fuels (liquid and nonliquid), including—

5 (1) direct greenhouse gas emissions, including
6 all stages of fuel and feedstock production, distribu-
7 tion, and use; and

8 (2) potentially significant indirect greenhouse
9 gas emissions.

10 (d) FRAMEWORK.—The framework pursuant to sub-
11 section (a)(2) shall include a recommended framework and
12 approaches for detailed quantitative assessments of the
13 comparative environmental implications of low-carbon
14 transportation fuels (liquid and nonliquid), including—

15 (1) life cycle implications for air, water, land,
16 and ecosystems in different regions of the United
17 States and over time; and

18 (2) potential environmental implications over
19 the life cycle of transportation fuels for low-income
20 and disadvantaged communities and communities of
21 color.

22 (e) REPORTS.—The agreement under subsection (a)
23 shall provide for the publication by the Academy (or other
24 appropriate entity) of—

1 (1) not later than 12 months after the date of
2 enactment of this Act, a report—

3 (A) describing the results of the assess-
4 ment under subsection (a)(1); and

5 (B) recommending a standardized ap-
6 proach to calculating life cycle greenhouse gas
7 emissions from low-carbon transportation fuels
8 (liquid and nonliquid); and

9 (2) not later than 18 months after the date of
10 enactment of this Act, a report providing rec-
11 ommendations for a framework to assess environ-
12 mental implications, in addition to greenhouse gas
13 emissions, of low-carbon transportation fuels (liquid
14 and nonliquid).

15 (f) DEFINITIONS.—In this section:

16 (1) ACADEMY.—The term “Academy” means
17 the National Academy of Sciences.

18 (2) ADMINISTRATOR.—The term “Adminis-
19 trator” means the Administrator of the Environ-
20 mental Protection Agency.

21 (3) LIFE CYCLE GREENHOUSE GAS EMIS-
22 SIONS.—The term “life cycle greenhouse gas emis-
23 sions” means the aggregate quantity of greenhouse
24 gas emissions (including direct emissions and signifi-
25 cant indirect emissions such as significant emissions

1 from land use changes), as determined by the Acad-
2 emy (or other appropriate entity) over the full life
3 cycle of the respective greenhouse gases, across all
4 stages of a given fuel’s supply chain, where the mass
5 values for all greenhouse gases are adjusted to ac-
6 count for their relative global warming potential and
7 residence time.

8 (4) OTHER APPROPRIATE ENTITY.—The term
9 “other appropriate entity” means the other appro-
10 priate entity with which the agreement under sub-
11 section (a) is entered into if the Academy declines
12 to enter into the agreement.

