AMENDMENT TO
OFFERED BY MR. TONKO OF NEW YORK

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

Subtitle G—Low-carbon Fuels

SEC. 6701. STUDY BY NATIONAL ACADEMY OF SCIENCES.

(a) IN GENERAL.—The Administrator of the Environmental Protection Agency, after consultation with the Secretary of Energy and the Secretary of Agriculture, shall seek to enter into an agreement with the National Academy of Sciences (or, if the Academy declines, another appropriate entity) under which the Academy (or other appropriate entity) agrees to—

(1) assess current methods for life cycle greenhouse gas emissions analyses for low-carbon transportation fuels in the United States; and

(2) develop a framework for assessing broader environmental implications of low-carbon transportation fuels in addition to greenhouse gas emissions.

(b) TIMING OF AGREEMENT.—The Administrator shall seek to enter into the agreement described in subsection (a) not later than 60 days after the date of enactment of this Act.
(c) ASSESSMENT.—The assessment pursuant to subsection (a)(1) shall examine methods for calculating life cycle greenhouse gas emissions associated with transportation fuels (liquid and nonliquid), including—

(1) direct greenhouse gas emissions, including all stages of fuel and feedstock production, distribution, and use; and

(2) potentially significant indirect greenhouse gas emissions.

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

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

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

(e) REPORTS.—The agreement under subsection (a) shall provide for the publication by the Academy (or other appropriate entity) of—
(1) not later than 12 months after the date of enactment of this Act, a report—

(A) describing the results of the assessment under subsection (a)(1); and

(B) recommending a standardized approach to calculating life cycle greenhouse gas emissions from low-carbon transportation fuels (liquid and nonliquid); and

(2) not later than 18 months after the date of enactment of this Act, a report providing recommendations for a framework to assess environmental implications, in addition to greenhouse gas emissions, of low-carbon transportation fuels (liquid and nonliquid).

(f) DEFINITIONS.—In this section:

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

(2) ADMINISTRATOR.—The term “Administrator” means the Administrator of the Environmental Protection Agency.

(3) LIFE CYCLE GREENHOUSE GAS EMISSIONS.—The term “life cycle greenhouse gas emissions” means the aggregate quantity of greenhouse gas emissions (including direct emissions and significant indirect emissions such as significant emissions...
from land use changes), as determined by the Academy (or other appropriate entity) over the full life cycle of the respective greenhouse gases, across all stages of a given fuel’s supply chain, where the mass values for all greenhouse gases are adjusted to account for their relative global warming potential and residence time.

(4) OTHER APPROPRIATE ENTITY.—The term “other appropriate entity” means the other appropriate entity with which the agreement under subsection (a) is entered into if the Academy declines to enter into the agreement.