

**External Meeting Request Form for  
Administrator E. Scott Pruitt**

**U.S. Environmental Protection Agency**

*To request the Administrator to attend and/or speak at your event, please complete and submit the following form.*

Today's Date: May 10, 2017

Meeting Date: May 18, 2017

Meeting Time: 11:15 AM

Requested Location (if offsite, please list address, parking instructions, etc.): EPA offices

Requestor: Jerry Jung

Purpose of the Meeting: Discuss ethanol mandates

Background on the Meeting: see attached op-ed.

Role of the Administrator: Provide a sense of the Administrator's vision on this important issue.

Attendees: Jerry Jung

Point of Contact: Sydney Hupp / Samantha Davis /  
Bill Schwette

organizations thought that it was a renewable source of energy that would help the environment and reduce harmful emissions. Others saw it as a way to reduce dependence on foreign oil.

After eight years of dramatically increasing mandates, the results are in and it is apparent that none of these goals have been met — in fact, the opposite is true.

Due to an arcane and fraud-prone ethanol credit trading scheme, the price of higher-octane gasoline has skyrocketed, relative to lower grades; the farm economy continues its decline; finite resources such as phosphorus and subterranean aquifers are being depleted; wildlife and biodiversity are being threatened; harmful emissions have doubled; and the mandate has had no impact on reducing use of fossil fuels.

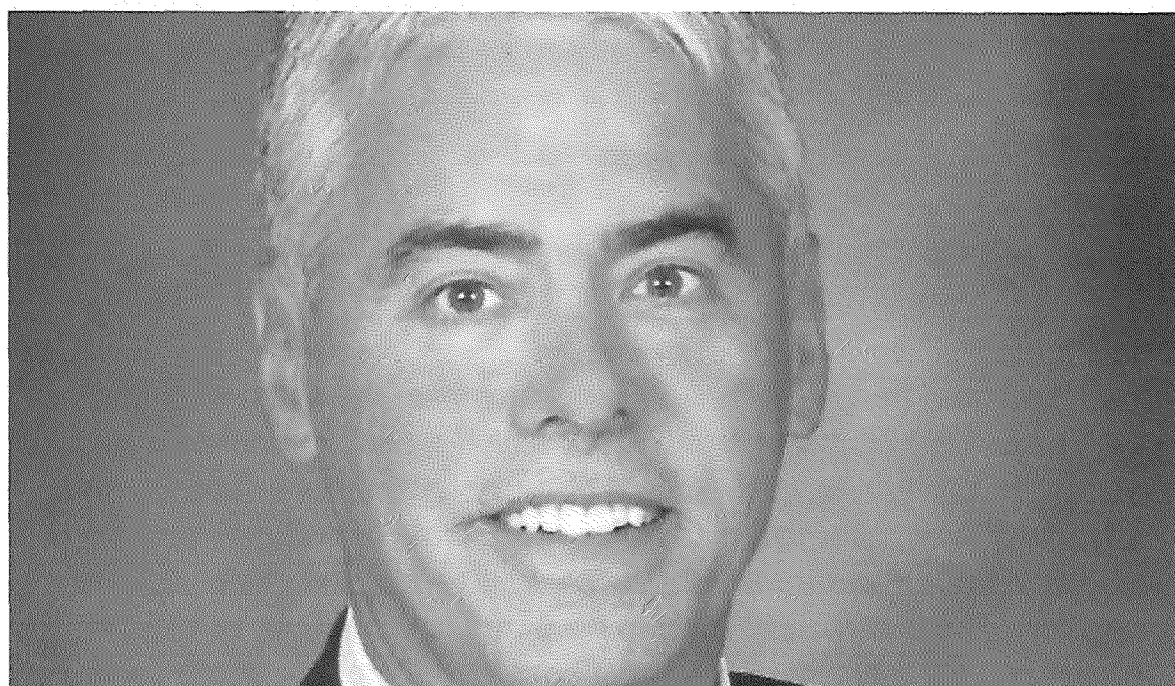
How can this be?

The answer is simple — it takes as much fossil fuel to produce ethanol from corn as it yields.

A Cornell University study estimates that it takes 40 percent more energy to produce corn ethanol than it yields. The actual distillation of corn into ethanol consumes about 28 percent as much energy as it produces; yet when all the inputs required to grow corn — such as the production of herbicides, insecticides, fertilizer and the fuel for tractors and transportation — are factored in, the equation changes. Even the U.S. Department of Agriculture, a misguided proponent of ethanol production, estimates that the energy output only slightly exceeds the inputs. The agency points out that by-products from the distillation process can be fed to livestock, but studies such as one published by the University of Nebraska point out that the practice of feeding distillates to cattle shortens the shelf life of their meat. Other studies indicate that the practice alters the flavor of meat and can make livestock sick.

The price of corn shot up to \$8 per bushel when the mandate was dramatically ramped up nine years ago. As a result, there were food riots in some countries where corn is a dietary staple.

# It's time to rethink ethanol mandates



By Jerry Jung -- Monday, May 1, 2017

This year the Environmental Protection Agency (EPA) has mandated that 15 billion gallons of ethanol be added to gasoline. As a result, most gasoline contains about 10 percent ethanol.

Initially, automotive manufacturers saw the mandate as a cheap way to increase octane ratings, and corn growers thought it would be a boon to the agricultural economy. Casual observers and even some conservation

Since then, the amount of acreage devoted to growing corn has increased to over 35 million acres in the U.S. (larger than most states) and the price is back where it started.

Unfortunately, much of this land is ecologically sensitive. The National Wildlife Federation estimates that 10 million acres in the U.S. have been converted from Conservation Reserve Programs — virgin prairie, woodlands and wetlands in the U.S. — to grow corn over the last 10 years.

The careful reader might question how 35 million acres are growing corn for ethanol, but “only” 10 million new acres have been converted to agricultural use in the U.S. Much of this acreage used to grow soybeans for export. Typically, farmers would rotate between corn and soybeans, but now many grow corn year after year.

South America has filled the void, with the result that Brazil now exports more soybeans than the U.S. — with the concomitant destruction of forest and grasslands in that country, not to mention an increased trade deficit here in this country.

A recent study discussed by a Conservative Political Action Committee panel in February concludes that the farm economy continues its decline despite — and perhaps because of — ethanol mandates.

Ethanol is a low-value commodity. A bushel of corn will produce 2.8 gallons of ethanol worth about \$4.50. The same corn, fed to poultry, produces about \$20 of value, and to cattle, about \$50 of value. It is this value-added chain that creates rural employment and economic diversity.

It is not uncommon to see hand-painted signs in Iowa that read “Family Farms, not Factory Farms.” A poll conducted by a leading conservation organization shows surprising opposition to ethanol mandates in rural areas. It is no wonder, since these are the populations most affected in terms of water quality and outdoor recreational opportunities. These are the families that must confront chemical pollution and that are at a competitive disadvantage against huge absentee landowners, when it comes to low-value commodity products. Look no further than the City of Des Moines water authority's lawsuit against upstream agricultural districts. Look no further than the City of Toledo that shut down water supplies to hundreds of

thousands of residents because of nutrient-fed toxic algae. Look no further than the just-released U.S. Geological Survey study that confirmed deadly "neo-nic" insecticides in Iowa drinking water. Perhaps it is no accident that Texas Sen. Ted Cruz, who has never supported ethanol mandates or costly agricultural subsidies, won the Republican primary in Iowa.

There are many other reasons to discontinue ethanol mandates. Dozens of diverse stakeholder groups, representing fiscal conservatives; small and marine engine users and manufacturers; food producers and food justice groups; charter boat captains; The Sierra Club, The National Wildlife Federation and the Audubon Society; and even the American Petroleum Institute are opposed to subsidized and mandated corn ethanol production.

Ironic, is it not, that a mandate sold to Congress and the public as "green" is arguably the biggest polluter of air and water in the U.S.? The policy has also been a significant driver of what has aptly been termed the Sixth Extinction of biodiversity.

Fortunately, legislation has been introduced in the House of Representatives that would cap the ethanol content of gasoline at 10 percent and reduce mandates over time. Urge your members of Congress to support this legislation.

The EPA can also play a vital role as they work with automobile companies implementing improved fuel economy standards.

The first step in this regard would be to eliminate artificial incentives to produce ethanol. Currently, the EPA gives CAFE mileage bonuses to gas guzzlers if they can consume gasoline that is up to 85 percent ethanol. Credits are also given to compensate for the reduced energy content of ethanol as compared to pure gasoline. Given the environmental destruction and excessive use of fossil fuels consumed in the production of ethanol, these credits should realistically be debits. It is imperative that the EPA consider the overall economic and environmental impact of their policies and not focus solely on a single aspect of the overall picture.