

The background of the slide is a close-up, slightly blurred image of the American flag, showing the stars and stripes in a wavy pattern. The colors are vibrant, with the blue field of stars on the left and the red and white stripes on the right.

Renewable Fuel Standard (RFS) and our National Security

October 18, 2016 14:00 EDT

*Albert Eckel
America's Energy Forum*

Vets4Energy

*Veterans Working to Ensure
National Security through Energy Security*

*Captain James McCormick, USA (ret.)
Vets4Energy Program Director*

- Non-partisan group of volunteer veterans across all 50 states
- Advocate for **sound energy policies to sustain our national security**
- Believe Energy Security = National Security

Energy, Economy, Diplomacy and National Security are Inextricably Linked

Law that sets mandates for renewable fuels:

- Biomass-based diesel (e.g., soybean/canola oil)
- Cellulosic biofuels (e.g., wood chips)
- Advanced biofuels (e.g., sugarcane)
- Conventional renewable fuels (e.g., corn ethanol)

The RFS has created excessive demand for corn ethanol leading to unintended negative consequences.

Why Was the RFS Established?

- **Renewable Fuel Standard (RFS) Established in 2007 to:**
 - Reduce U.S. dependence on imported oil
 - Reduce U.S. greenhouse gas emissions
 - Alleviate predictions of ever-growing U.S. gasoline demand
- **RFS is now an outdated policy:**
 - U.S. has reduced imports as the number one producer of oil and natural gas
 - U.S. has reduced carbon emissions from energy to 20-year low's thru use of natural gas.
 - U.S. gasoline demand is down – and decreasing – with more fuel-efficient cars

Continued RFS mandates could force higher levels of corn-based ethanol (e.g., E15, E85) into our fuel supply.

Fuel Type	Corn Ethanol Content	Impact on Marketplace
E0	0% ethanol	Favored in small engines & older cars
E10	10% ethanol	95% of fuel consumed in market
E15	15% ethanol	Most vehicles not designed for E15
E85	85% ethanol	Less than 1% of gasoline demand

We need to ask ourselves, is the RFS:

- **Increasing our Energy Security?**
- **Strengthening U.S. economy?**
- **Increasing our military strength?**
- **Worth the risk?**

NO

U.S. Energy Security is high due U.S. Energy Leadership

- U.S. has decreased dependence on undemocratic nations due to **increased U.S. oil and gas production.**
- Oil imports have dropped from 58% in 2007, to 24% today, and half our imports today are from Canada.

The RFS “played only a small part in reducing projected net import dependence.”

*Howard Gruenspecht, Deputy Administrator
U.S. Energy Information Administration*

Is the RFS Increasing Our Economic Security?

NO

Higher costs: engine repairs, food and fuel

- Expensive repairs - engines not designed for E15:
 - Car engine damage and voided car warranties
 - Outdoor power equipment, boats, and motorcycles
- Higher fuel costs:
 - Gasoline - 26 cents per gallon higher (CBO)
 - Ethanol lower fuel economy - more trips to station
- Higher food prices

Manufacturer	Model Year															
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
BMW	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Chrysler	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Most ⁶
Ford	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes
GM	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Most ⁴	Most ⁴
Honda/Acura	No	No	No	No	No	No	No	No	No	No	No	No	No	Some ¹	Yes	Yes
Hyundai/Kia	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Jaguar/Land Rover	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Mazda	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Mercedes	No	No	No	No	No	No	No	No	No	No	No	No	No	No ²	No ²	No
Mitsubishi	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Nissan/Infiniti	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Subaru	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Toyota/Lexus	No	No	No	No	No	No	No	No	No	No	No	No	No	Some ³	Most ⁵	Most ⁵
VW/Audi/Porsche	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Volvo	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Source:

<http://www.edmunds.com/ownership/howto/articles/120189/article.html>
and auto company contacts

¹Accord, Civic, Crosstour, CR-V, CR-Z, Insight, Odyssey, Pilot; Acura: ILX, MDX, RDX, RLX, but not TL, TSX, TSX Wagon

²Some owner manuals for 2014 and 2015 incorrectly stated that E15 was allowed.

³Avalon, Camry, Corolla, Highlander, iQ, Prius, RAV-4, Scion tC, Sienna, Venza;
Lexus: CT200H, ES350, GS300/350, GS450H, IS250, IS350, LS460, RX350, RX450H,
but not 4Runner, FJ Cruiser, Land Cruiser, Sequoia, Tacoma, Tundra, Yaris;

Lexus: IS250C, IS350C, IS F, GX460, LX570

⁴Not Chevrolet City Express

⁵Not FR-S, xB (model discontinued after 2015).

⁶Not Dodge Viper

Is the RFS Increasing Our Military Strength?

NO

U.S. military cannot afford equipment breakdowns.

- Engine damage to military equipment and vehicles
 - Generators, pumps, boats – all small engines
 - Puts military lives at risk
- Military would incur unnecessarily high expenses
 - Fixing damaged equipment and vehicles
 - Replacing equipment and vehicles to run on higher levels of ethanol
 - Spending money that could go towards other, more critical, military operations

- Loss of pristine, conservation and wildlife lands
 - Conversion of land to grow corn for ethanol
- Increase in GHG emissions
 - Plowing pristine land releases carbon dioxide
 - Fuel rebound effect (ethanol requires “more” trips to gas station)
- Water contamination
 - Fertilizer runoff into rivers, lakes, groundwater

HR 5180, Food & Fuel Consumer Protection Act of 2016

- Recognizes negative impact of higher ethanol blends (e.g., E15, E85) to Americans.
- Caps total ethanol volumes at 9.7 percent so we will not exceed E10.
- Currently 117 Members of Congress Support.

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Veterans Working to Ensure
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Does Your Member of Congress Support HR 5180?

AL	GA	MS
Rep. Aderholt, Robert B. [R-AL-4]	Rep. Allen, Rick W. [R-GA-12]	Rep. Harper, Gregg [R-MS-3]
Rep. Byrne, Bradley [R-AL-1]	Rep. Carter, Earl L. "Buddy" [R-GA-1]	Rep. Kelly, Trent [R-MS-1]
Rep. Palmer, Gary J. [R-AL-6]	Rep. Collins, Doug [R-GA-9]	MT
AR	Rep. Hice, Jody B. [R-GA-10]	Rep. Zinke, Ryan K. [R-MT-At Large]
Rep. Crawford, Eric A. "Rick" [R-AR-1]	Rep. Loudermilk, Barry [R-GA-11]	NC
Rep. Hill, J. French [R-AR-2]	Rep. Price, Tom [R-GA-6]	Rep. Ellmers, Renee L. [R-NC-2]
Rep. Westerman, Bruce [R-AR-4]	Rep. Scott, Austin [R-GA-8]	Rep. Hudson, Richard [R-NC-8]
Rep. Womack, Steve [R-AR-3]*	Rep. Woodall, Rob [R-GA-7]	Rep. Jones, Walter B., Jr. [R-NC-3]
AZ	IL	Rep. Meadows, Mark [R-NC-11]
Rep. Franks, Trent [R-AZ-8]	Rep. Roskam, Peter J. [R-IL-6]	Rep. Pittenger, Robert [R-NC-9]
Rep. Gosar, Paul A. [R-AZ-4]	KS	Rep. Rouzer, David [R-NC-7]
Rep. Schweikert, David [R-AZ-6]	Rep. Pompeo, Mike [R-KS-4]	NJ
CA	KY	Rep. Frelinghuysen, Rodney P. [R-NJ-11]
Rep. Cook, Paul [R-CA-8]	Rep. Barr, Andy [R-KY-6]	Rep. Lance, Leonard [R-NJ-7]
Rep. Costa, Jim [D-CA-16]*	LA	Rep. MacArthur, Thomas [R-NJ-3]
Rep. Hunter, Duncan D. [R-CA-50]	Rep. Boustany, Charles W., Jr. [R-LA-3]	Rep. Smith, Christopher H. [R-NJ-4]
Rep. Issa, Darrell E. [R-CA-49]	Rep. Graves, Garret [R-LA-6]	NM
Rep. LaMalfa, Doug [R-CA-1]	Rep. Richmond, Cedric L. [D-LA-2]*	Rep. Lujan, Ben Ray [D-NM-3]
Rep. Nunes, Devin [R-CA-22]	Rep. Scalise, Steve [R-LA-1]	Rep. Pearce, Stevan [R-NM-2]
Rep. Rohrabacher, Dana [R-CA-48]	MD	NV
Rep. Royce, Edward R. [R-CA-39]	Rep. Harris, Andy [R-MD-1]	Rep. Amodei, Mark E. [R-NV-2]
Rep. Valadao, David G. [R-CA-21]	ME	Rep. Heck, Joseph J. [R-NV-3]
Rep. Walters, Mimi [R-CA-45]	Rep. Poliquin, Bruce [R-ME-2]	NY
CO	MN	Rep. Collins, Chris [R-NY-27]
Rep. Lamborn, Doug [R-CO-5]	Rep. Palazzo, Steven M. [R-MS-4]	Rep. King, Peter T. [R-NY-2]
FL	MO	OH
Rep. Bilirakis, Gus M. [R-FL-12]	Rep. Long, Billy [R-MO-7]	Rep. Chabot, Steve [R-OH-1]
Rep. Frankel, Lois [D-FL-22]		Rep. Wenstrup, Brad R. [R-OH-2]
Rep. Miller, Jeff [R-FL-1]		
Rep. Posey, Bill [R-FL-8]		

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Does Your Member of Congress Support HR 5180?

OK	TX	VA
Rep. Bridenstine, Jim [R-OK-1]	Rep. Babin, Brian [R-TX-36]	Rep. Brat, Dave [R-VA-7]
Rep. Cole, Tom [R-OK-4]	Rep. Brady, Kevin [R-TX-8]	Rep. Comstock, Barbara [R-VA-10]
Rep. Mullin, Markwayne [R-OK-2]	Rep. Carter, John R. [R-TX-31]	Rep. Goodlatte, Bob [R-VA-6]*
Rep. Russell, Steve [R-OK-5]	Rep. Cuellar, Henry [D-TX-28]	Rep. Griffith, H. Morgan [R-VA-9]
OR	Rep. Culberson, John Abney [R-TX-7]	Rep. Hurt, Robert [R-VA-5]
Rep. DeFazio, Peter A. [D-OR-4]	Rep. Farenthold, Blake [R-TX-27]	Rep. Wittman, Robert J. [R-VA-1]
Rep. Schrader, Kurt [D-OR-5]	Rep. Gohmert, Louie [R-TX-1]	VT
Rep. Walden, Greg [R-OR-2]	Rep. Granger, Kay [R-TX-12]	Rep. Welch, Peter [D-VT-At Large]*
PA	Rep. Green, Gene [D-TX-29]	WA
Rep. Murphy, Tim [R-PA-18]	Rep. Hensarling, Jeb [R-TX-5]	Rep. Herrera Beutler, Jaime [R-WA-3]
Rep. Pitts, Joseph R. [R-PA-16]	Rep. Hinojosa, Ruben [D-TX-15]	Rep. McMorris Rodgers, Cathy [R-WA-5]
SC	Rep. Johnson, Sam [R-TX-3]	Rep. Newhouse, Dan [R-WA-4]
Rep. Mulvaney, Mick [R-SC-5]	Rep. Marchant, Kenny [R-TX-24]	WI
TN	Rep. McCaul, Michael T. [R-TX-10]	Rep. Sensenbrenner, F. James, Jr. [R-WI-5]
Rep. Black, Diane [R-TN-6]	Rep. Neugebauer, Randy [R-TX-19]	WV
Rep. Blackburn, Marsha [R-TN-7]	Rep. Olson, Pete [R-TX-22]	Rep. Jenkins, Evan H. [R-WV-3]
Rep. DesJarlais, Scott [R-TN-4]	Rep. Sessions, Pete [R-TX-32]	Rep. McKinley, David B. [R-WV-1]
Rep. Fleischmann, Charles J. "Chuck" [R-TN-3]	Rep. Smith, Lamar [R-TX-21]	
Rep. Roe, David P. [R-TN-1]	Rep. Thornberry, Mac [R-TX-13]	
	Rep. Veasey, Marc A. [D-TX-33]	
	Rep. Weber, Randy K., Sr. [R-TX-14]	
	Rep. Williams, Roger [R-TX-25]	
	UT	
	Rep. Bishop, Rob [R-UT-1]	
	Rep. Stewart, Chris [R-UT-2]	

- Send a Letter to your Member of Congress to ask to **support HR 5180, the Food and Fuel Consumer Protection Act of 2016**
 - Go to Vets4Energy.com
 - Click on "Take Action"
- Contact us: info@Vets4Energy.com
 - Write an OpEd
- Join Future Webinars
 - November 15, 2016: Natural Gas Benefits
 - December (Date TBD): Energy Infrastructure

A close-up, slightly blurred image of the American flag, showing the stars and stripes in detail. The flag is waving, creating a sense of movement. The colors are vibrant, with the blue field of stars on the left and the red and white stripes on the right.

Questions?

Thank you for your service.

www.Vets4Energy.com

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