

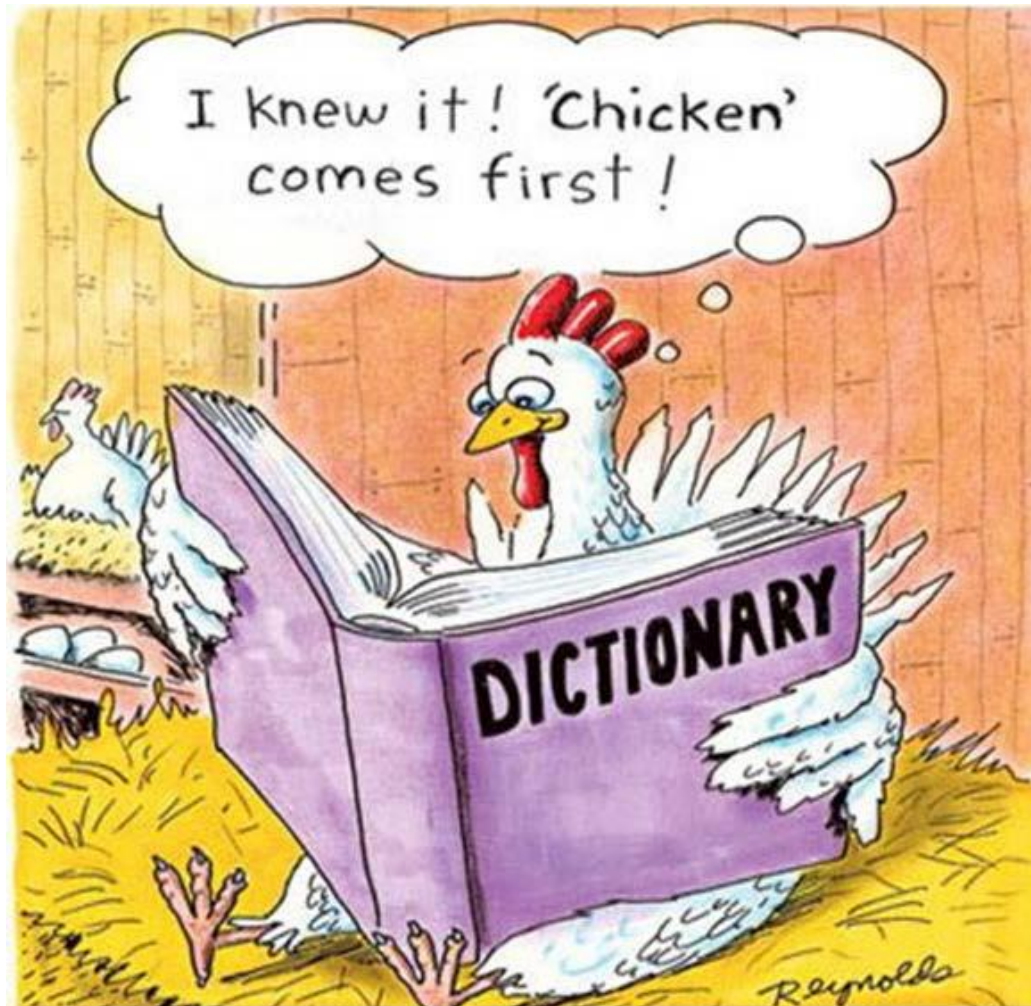
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DOE 2014 Biomass Conference

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Let's Agree with the Chicken



Developing & Implementing Fuels & Vehicle Standards

- **Let Free Markets Work**
 - Mandates and subsidies distort the free market
 - Must meet consumers' needs
 - Follow automobile company recommendations as found in owner's manuals
 - Changes must be compatible with transportation fuel infrastructure
- **Use Sound Science**
 - Adopt a systems approach, addressing vehicle, fuel, and infrastructure issues
 - Conduct robust environmental impact analyses on a “well to wheels” basis

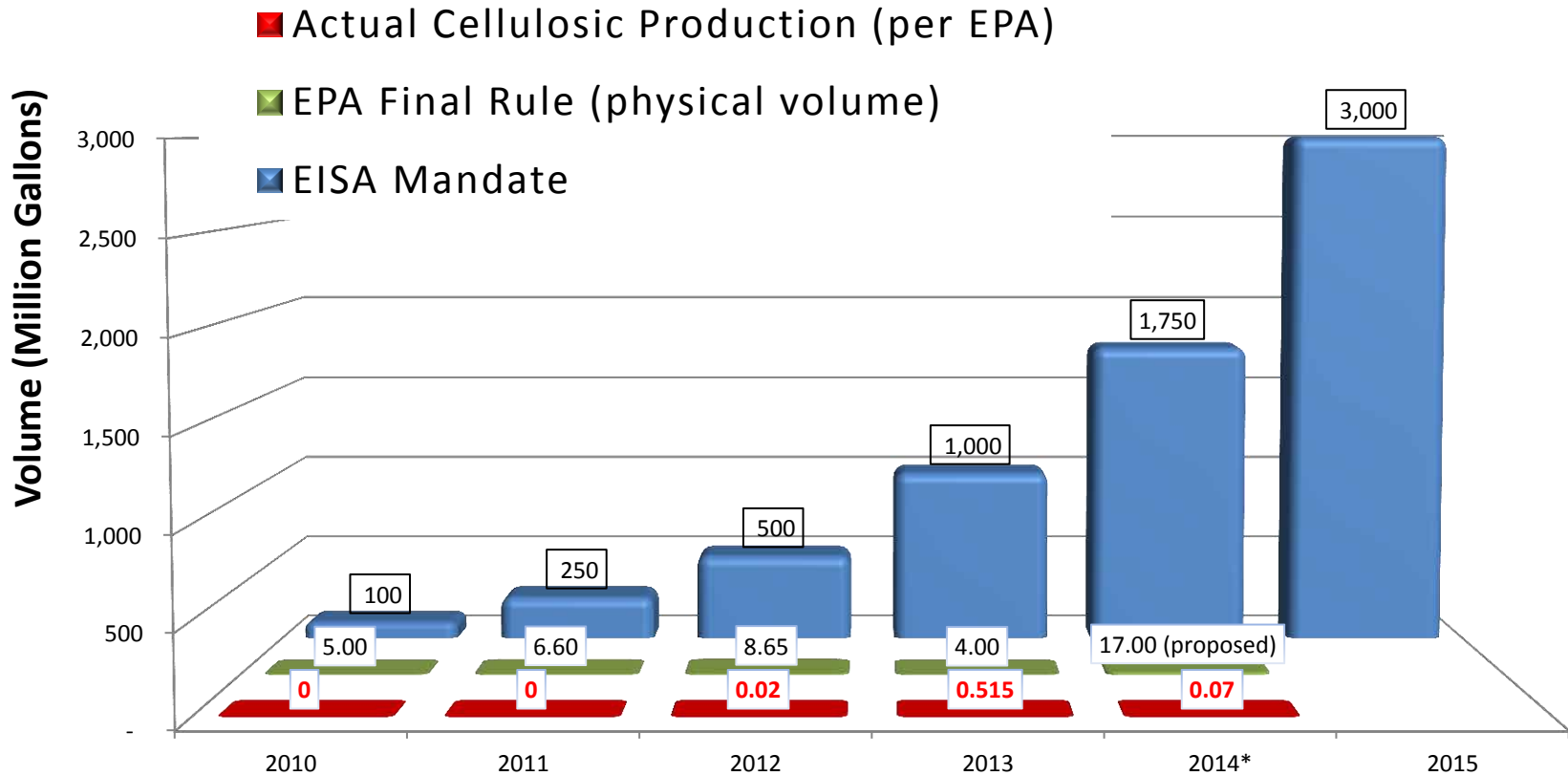
Developing & Implementing Fuels & Vehicle Standards

- **Use appropriate cost/benefit considerations**
 - **Benefits to society must exceed costs**
 - **No conflicts among regulations**
- **Use clear and reasonable regulatory framework**
 - **Adequate time and certainty for implementation**
 - **Feasible compliance pathways**
 - **Flexibility to adjust program requirements**
- **Appropriate structure for compliance and enforcement**

RFS Targets Aspirational

- **Insufficient domestic production of advanced biofuels, especially cellulosic**
- **Yet EPA continues to propose higher and higher levels**

Cellulosic Mandate vs. Reality



*Cellulosic production through June

Let's Agree That:

- **New Fuel:** Vehicle safety and consumer satisfaction are key issues, consistent with vehicle and infrastructure certification, warranties
- **Octane:** Higher octane can be achieved in a number of different ways
- **Sound Science:** Data are needed to develop scientific understanding of the role of octane in current and future vehicle technologies using the principles discussed earlier

Let's Agree on "All of the Above"



Courtesy: Automotive News