The background of the slide features a silhouette of a large, leafy tree on the right side, set against a vibrant sunset sky. The sky transitions from a bright orange glow at the horizon to a deep purple and blue at the top. The tree's branches are dark and detailed, extending across the upper right portion of the frame.

# Arizona Department of Weights and Measures

Biofuels

March 18, 2008

# Presentation Outline

- Current Regulations

- E85



- Biodiesel



- New Direction of the biofuels program.
- HB2621 Elements

# Current Regulations

- E85 (R20-2-718)
  - What was envisioned in the development of the rules.
    - Standards which have to be met.
    - Labeling Requirements.
    - Sampling and Testing Requirements.
    - Reporting Requirements.



# E85 Standards

- R20-2-718 (1) -The Department has adopted ASTM D5798-99 as the Standard that E85 must meet.
- R20-2-718(3) - The dispenser must be E85 Compatible.



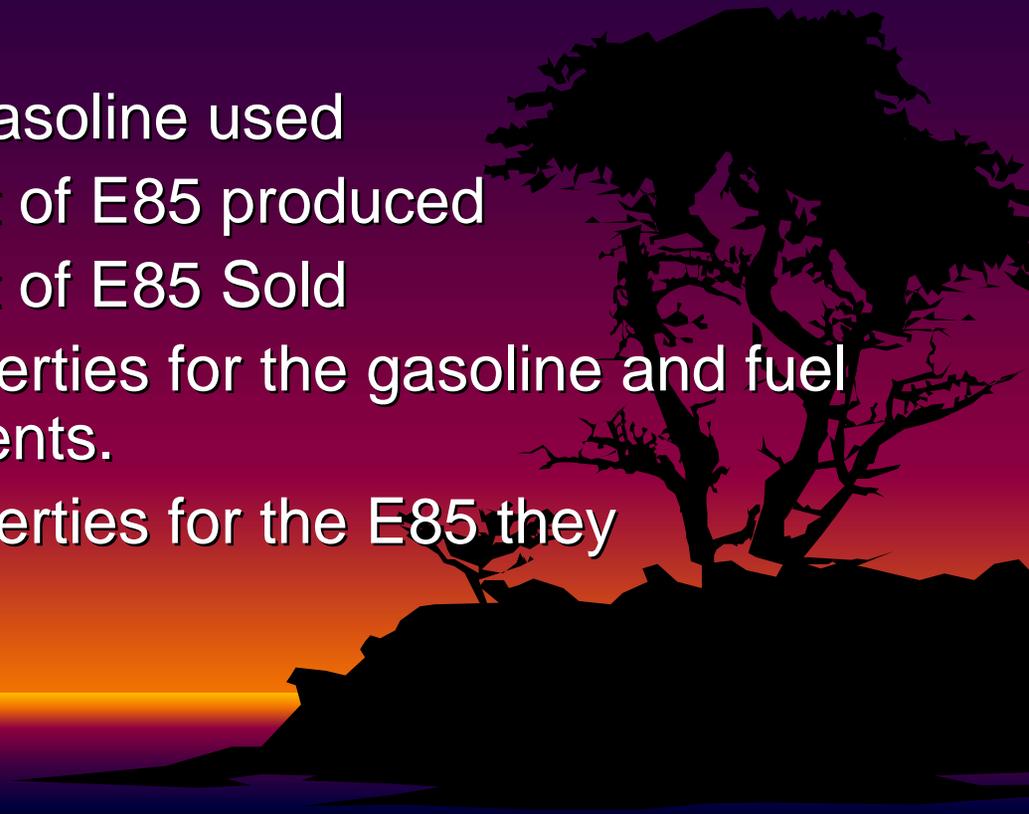
# E85 Labeling Requirements

- R20-2-718(2) - Must label both the dispenser and nozzle stating:

**E85 is not gasoline and is intended for use only in a flexible-fuel vehicle. Check your owner's manual to ensure that this fuel can be used in your vehicle.**

# E85 Sampling and Testing

- R20-2-718(4) – Requires fuel blenders to report this data by the 15<sup>th</sup> of the following month:
  - The amount of gasoline used
  - The total amount of E85 produced
  - The total amount of E85 Sold
  - Fuel quality properties for the gasoline and fuel ethanol components.
  - Fuel quality properties for the E85 they produced





## ARIZONA DEPARTMENT OF WEIGHTS AND MEASURES

4425 West Olive Avenue, Suite 134 Glendale, AZ 85302  
602-255-5211 FAX 602-255-1950 800-277-6675 TTY 623-463-9930  
[www.azdwm.gov](http://www.azdwm.gov)

### Compliance Assistance Fact Sheet: E85

#### Introduction

This fact sheet is designed to assist people who are interested in selling or blending E85 fuel in Arizona.

#### The Requirements:

E85 is a fuel blend consisting of 85 percent ethanol and 15 percent unleaded gasoline. An Arizona producer of E85, as well as any retailer selling E85 in Arizona, must ensure that the fuel meets the specifications established by [ASTM D5798-99](#). The fuel dispenser and pump nozzle dispensing E85 must display the following label:

**This Fuel contains E85. It is intended only for use in flexible-fuels vehicles. The seller is not responsible for any damage caused by using this fuel in a vehicle that is not properly equipped. Check the owner's manual or with your engine manufacturer before using this product.**

A retail seller who fully complies with all aspects of ARS § 41-2122.01 regarding E85 shall not be held liable if a consumer places E85 in a non-flexible fuel vehicle. All E85 fuel dispensers must be compatible with E85, and must have a NTEP Certificate of Conformance for E85.

All E85 sold within Area A, which includes the Phoenix Metropolitan Area, can only use Cleaner-Burning Fuel (CBG) or AZRBOB for the 15 percent conventional fuel portion, by volume, of the blend.

#### Reporting Requirements

Anyone producing E85 for sale in Arizona must file a monthly report with the Arizona Department of Weights and Measures that include the following:

- The amount of E85 produced in the previous month.
- The amount of ethanol used the previous month
- The amount of gasoline used in the previous month
- The amount of E85 sold in the previous month
- The fuel quality parameters for the ethanol and gasoline used to produce E85.

#### **NEED MORE INFORMATION?**

Contact Duane Yantorno,  
Air & Fuel Quality Program Manager  
(623) 463-9942  
(800) 277-6675  
(623) 939-7825 (Fax)  
[dyantorno@azdwm.gov](mailto:dyantorno@azdwm.gov)

#### When Are These Reports Due?

These reports are due to the Department on the 15<sup>th</sup> of each month, and must cover all E85 produced and sold during the previous month.

A Full Listing of The rules outlining these requirements can be found on the [Weights and Measures Website](#) at <http://www.azdwm.gov/Forms/Notice%20of%20Final%20Rulemaking.pdf>. A copy can also be obtained by contacting the Arizona Department of Weights and Measures.

This fact sheet can be  
found at:

<http://www.azdwm.gov>



# Current Regulations

- Biodiesel (R20-2-719)

What was envisioned when the rules were developed:

- Standards which must be met.
- Sampling and Testing Requirements.
- Reporting Requirements.
- Labeling Requirements.



# Biodiesel Standards



- R20-2-719(A)(1 and 2) – The Department has adopted ASTM D6751 and ASTM D 975.
- B100 must meet D 6751, and the Blend must meet D 975.

# Biodiesel Sampling and Testing and Reporting

- Under R20-2-719(B) – Suppliers shall report the following by the 15<sup>th</sup> of the next month:
  - Percentage of biodiesel in the final blend
  - Volume of the finished product
  - For neat biodiesel, the results of analysis for those parameters as established by ASTM D975,
    - Sulfur, aromatic, Cetane, specific gravity API Gravity, and T50, and T90.
  - By Batch
  - Certification



# Biodiesel Labeling

- R20-2-719(D) – A person must label a dispenser at which biodiesel is dispensed to notify other persons of the volume percentage of biodiesel in the finished product and with this statement:

This fuel contains biodiesel.  
Check the owner's manual or with your engine manufacturer before using.



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### Compliance Assistance Fact Sheet: Biodiesel

#### Introduction

This fact sheet is designed to assist people who are interested in selling or blending Biodiesel fuel in Arizona.

#### The Requirement:

A person shall not sell Biodiesel in Arizona that does not meet the specifications established by ASTM D6751, or any Biodiesel blend that does not meet the specifications established by ASTM D975. This fuel may not contain sulfur in excess of 500 parts per million if it is offered for sale in Area A, which includes the Phoenix Metropolitan area.

Any fuel producer who is shipping Biodiesel into the state, or is blending Biodiesel for sale within Arizona, must file a monthly report with the Arizona Department of Weights and Measures.

These reports must include the following:

- The quality and quantity of Biodiesel shipped to or produced in this state during the preceding month.
- The percentage of Biodiesel in the final blend.
- The volume of the finished Biodiesel
- Sulfur content
- Aromatic hydrocarbon content
- Cetane number
- Specific gravity
- American Petroleum Institute Gravity
- The temperatures at which 10 percent, 50 percent and 90 percent of the diesel fuel boiled off during distillation

#### **NEED MORE INFORMATION?**

Contact Duane Yantorno,  
Air & Fuel Quality Program Manager  
(623) 463-9942  
(800) 277-6675  
(623) 939-7825 (Fax)  
[dvantorno@azdwm.gov](mailto:dvantorno@azdwm.gov)

#### When Are These Reports Due?

These reports are due to the Department on the 15<sup>th</sup> of each month, and must cover all Biodiesel produced and sold during the previous month.

#### Labeling

Any Biodiesel dispenser in Arizona must prominently display the following label:

**This Fuel is B-(percentage of Biodiesel included in the fuel). Check the owner's manual or with your engine manufacturer before using.**

#### Forms

Please use the AZDWM [Biodiesel Report Form](http://www.azdwm.gov/Forms/BIO-DIESELASTM.pdf) when filing your monthly data, or check the following website: <http://www.azdwm.gov/Forms/BIO-DIESELASTM.pdf>, to download a copy. You can also contact the Department of Weights and Measures to obtain a copy of the form.

This fact sheet can be  
found at:

<http://www.azdwm.gov>



# New Direction for Biofuels

- Goals and Objectives
  - Increase biofuels availability within the State.
  - Identify regulatory barriers to market development.
  - Increase consumer confidence in product quality.
  - Put a system in place for tracking quantity and quality.
  - Develop quality assurance and quality control guidelines for blenders and producers.



# HB2621 (Biofuels Standards)

- Allows the Department to:
    - Develop a registry for Biofuels producers, blenders, and distributors.
    - Adopt standards for biofuels.
    - Develop sampling and testing requirements.
    - Set labeling requirement.
    - Develop Quality Assurance and Quality Control Measures.
    - Also Gives Retailer liability protection from customer miss fueling.
- 
- A silhouette of a tree is positioned on the right side of the slide, set against a background of a sunset or sunrise. The sky transitions from a deep purple at the top to a bright orange and yellow near the horizon, where a thin line of light is visible. The tree's branches are dark and detailed, extending towards the top right corner.

# HB2621 (Biofuels Standards)

- With this legislation, and the current rule-making, we hope to develop a program that:
  - Reduces barriers
  - Increases consumer confidence
  - Expands the availability of biofuels in Arizona.



# For More Information:

Visit our Compliance Assistance Page:

<http://www.azdwm.gov>.

- From the Left-hand “Find By Category Column, select Business/Air and Fuel Quality/Compliance Assistance.

You can also contact me directly at:  
(602) 771-4933.

