# Appendix B

## Handbook 130 – Uniform Regulation for Method of Sale of Commodities and

### **Uniform Engine Fuels and Automotive Lubricants Regulation**

#### Items:

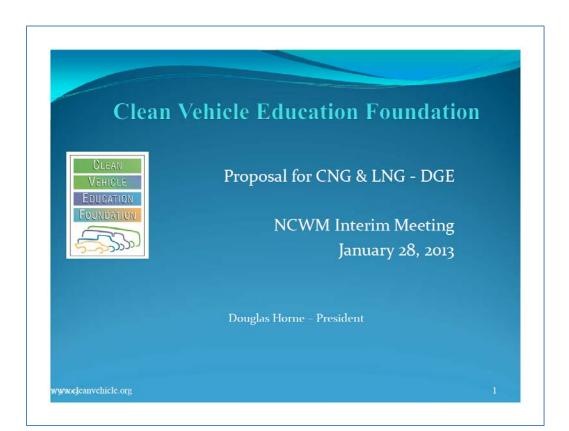
232-1: Uniform Method of Sale:2.27. Retail Sales of Natural Gas Sold as a Vehicle Fuel

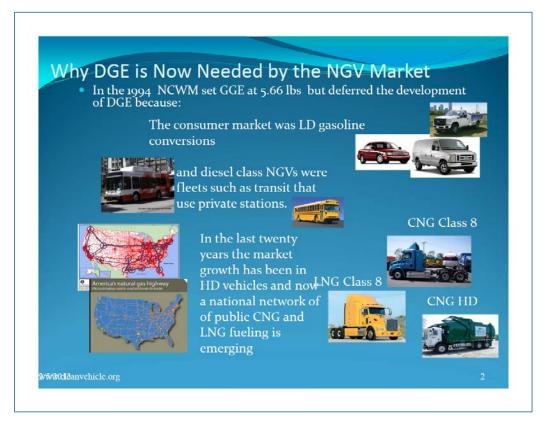
237-1: Uniform Engine Fuels and Automotive Lubricants Regulation: Section 1. Definitions – Diesel Liter Equivalent (DLE) and Diesel Gallon Equivalent (DGE)

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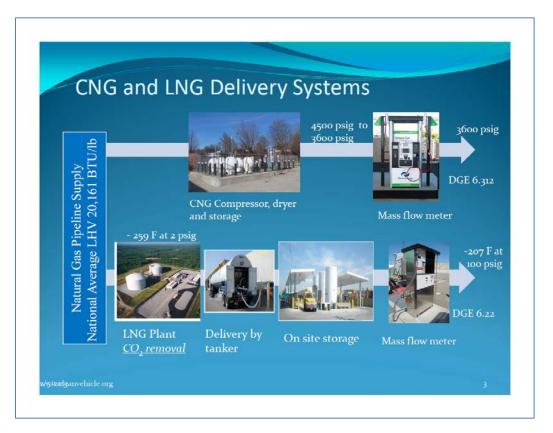
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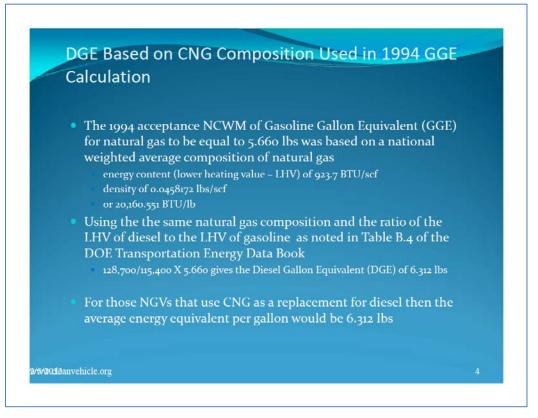




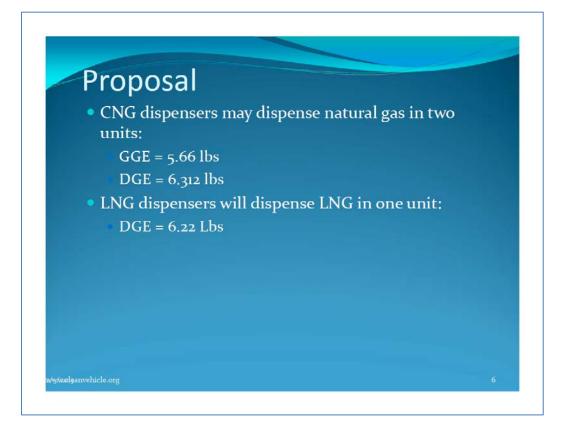
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National Average Natural Gas Composition Used for GGE Standard - Applied to LNG DGE Calculation							
CNG				LNG			
Components	LHV - BTU/LB	LBS/CF	%V¹	%V <sup>2</sup>	LBS/CF	%MASS	LHV
C1	21537	0.0425	92.87	93.59	0.039777614	87.9239176	18936.174
C2	20394	0.0803	3.34	3.37	0.00270294	5.974542668	1218.4482
C3	19807	0.1196	0.63	0.63	0.000759357	1.678473095	332.45516
i-C4	19529	0.1582	0.07	0.07	0.000111604	0.246687517	48.175605
n-C4	19815	0.1582	0.12	0.12	0.000191321	0.422892887	83.796225
i-C5	19478	0.1907	0.04	0.04	7.6875E-05	0.169923459	33.097691:
n-C5	20485	0.1907	0.03	0.03	5.76562E-05	0.127442594	26.106615
C6	19403	0.0228	0.05	0.05	1.14889E-05	0.025394958	4.9273837
N2	0	0.0744	2.07	2.09	0.001552093	3.430725227	0
CO2	0	0.117	0.78		0	0	0
			100	100	0.045240948	100	20683
						Diesel <sup>3</sup> LHV=	128,700
						LNG - DGE=	6.22
<sup>1</sup> CNG nationa	l average compo	sition of natu	ral gas from	the NCWM I	Laws and		
Regulations -	CNG Working Gro	oup letter 10	/18/1993 Ap	pendix A. Co	nversion		
Factor Backgr	ound						
	tion based on CN	IG compositio	on with CO2	removed			
	ortation Energy D			emoved			



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