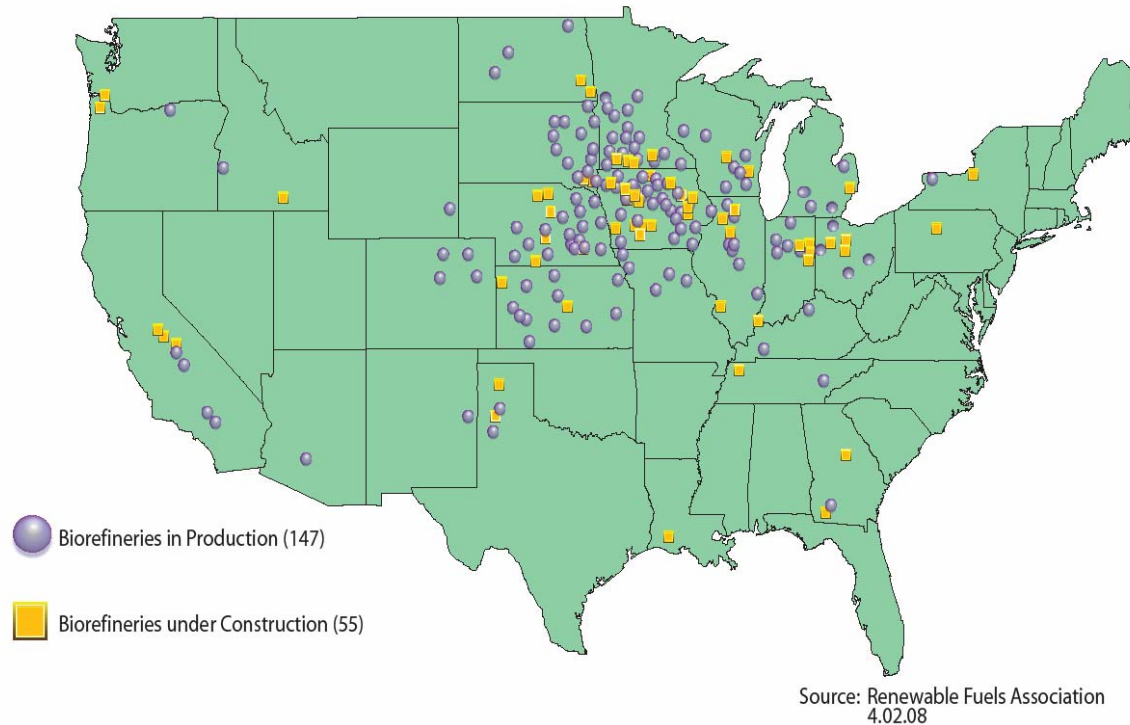


Surface Transportation Board RETAC Meeting

Ethanol Discussion

June 12, 2008

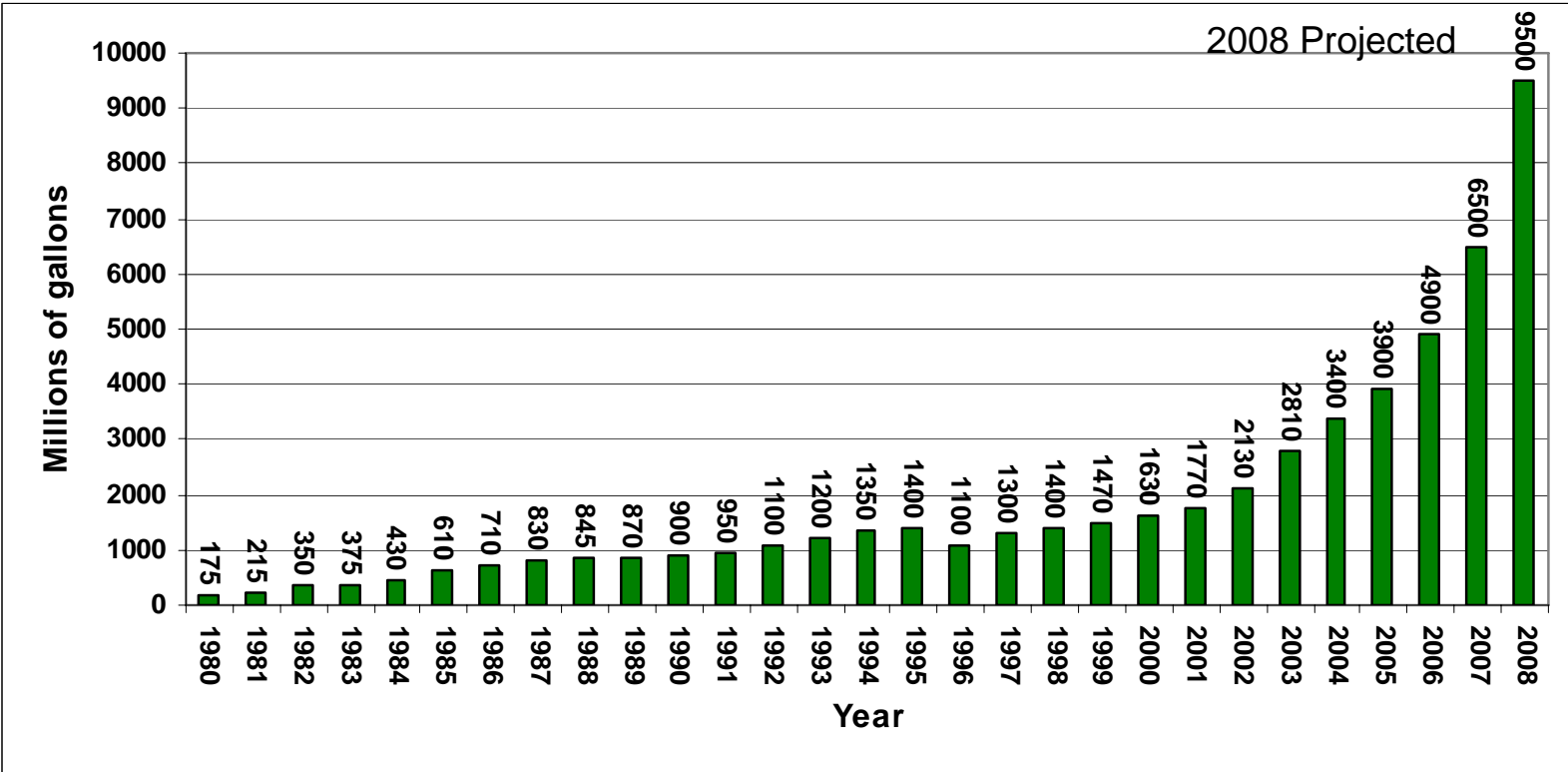
U.S. Ethanol Biorefinery Locations



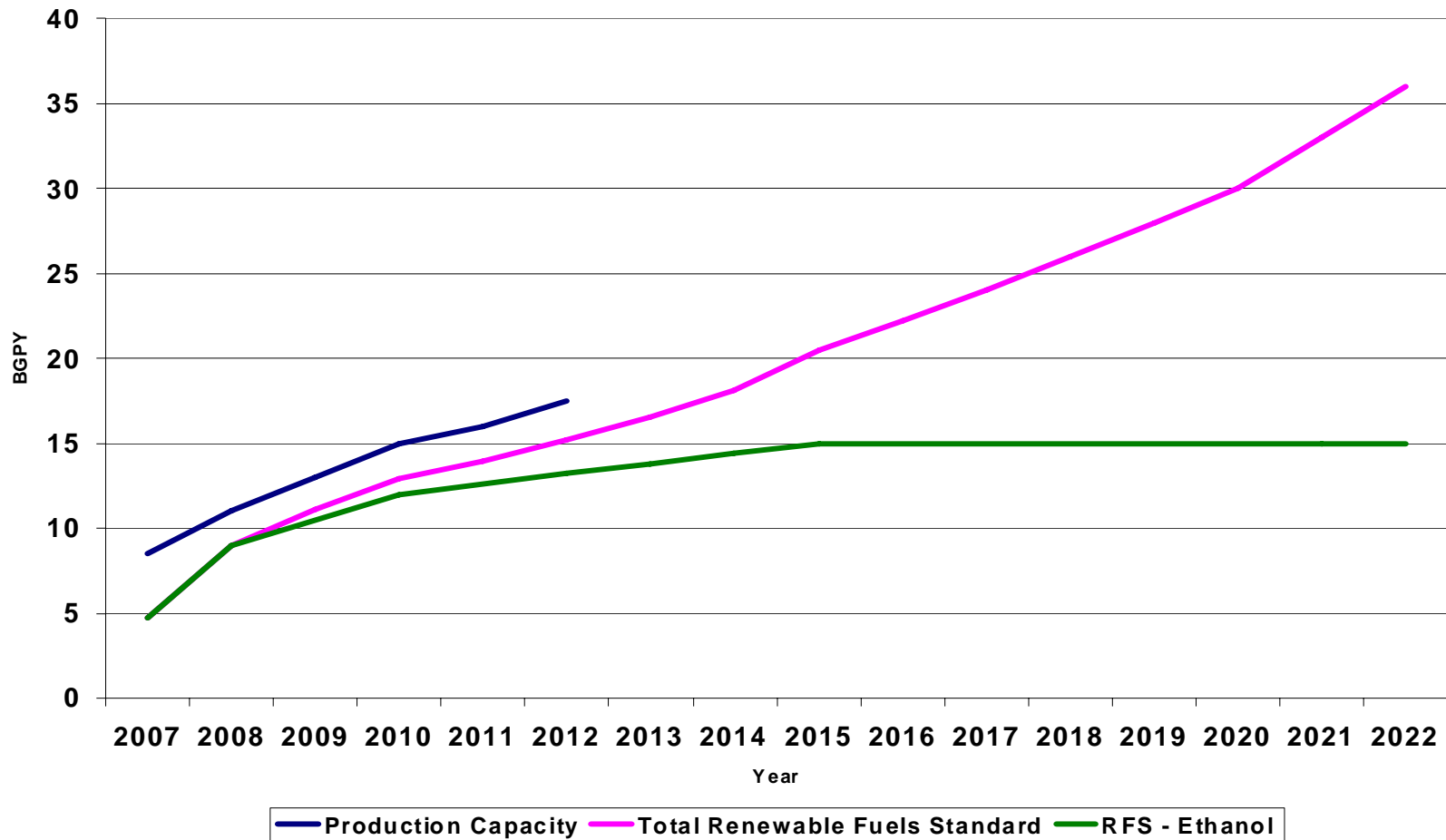
NEW RENEWABLE FUELS STANDARD SCHEDULE

Year	Renewable Biofuel	Advanced Biofuel	Cellulosic Biofuel	Biomass-based Diesel	Undifferentiated Advanced Biofuel	Total RFS
2008	9.0					9.0
2009	10.5	.6		.5	0.1	11.1
2010	12	.95	.1	.65	0.2	12.95
2011	12.6	1.35	.25	.8	0.3	13.95
2012	13.2	2	.5	1	0.5	15.2
2013	13.8	2.75	1		1.75	16.55
2014	14.4	3.75	1.75		2	18.15
2015	15	5.5	3		2.5	20.5
2016	15	7.25	4.25		3.0	22.25
2017	15	9	5.5		3.5	24
2018	15	11	7		4.0	26
2019	15	13	8.5		4.5	28
2020	15	15	10.5		4.5	30
2021	15	18	13.5		4.5	33
2022	15	21	16		5	36

Historical Ethanol Demand



Ethanol Industry Capacity



Ethanol Modes of Transportation

- Trucks (8,000 Gallons)
- Railcars (29,000 gallons)
 - Single rail car
 - Unit Train (65, 75, or 95 railcars)
 - Major infrastructure build
- Barges (420,000 gallons)
 - 10,000 bbl capacity
- Pipeline

100 Million Gal./ Year Plant Example

Transportation Impacts:

3448 railcars of Fuel Ethanol per year

10 tank cars per day

9867 railcars of Corn per year

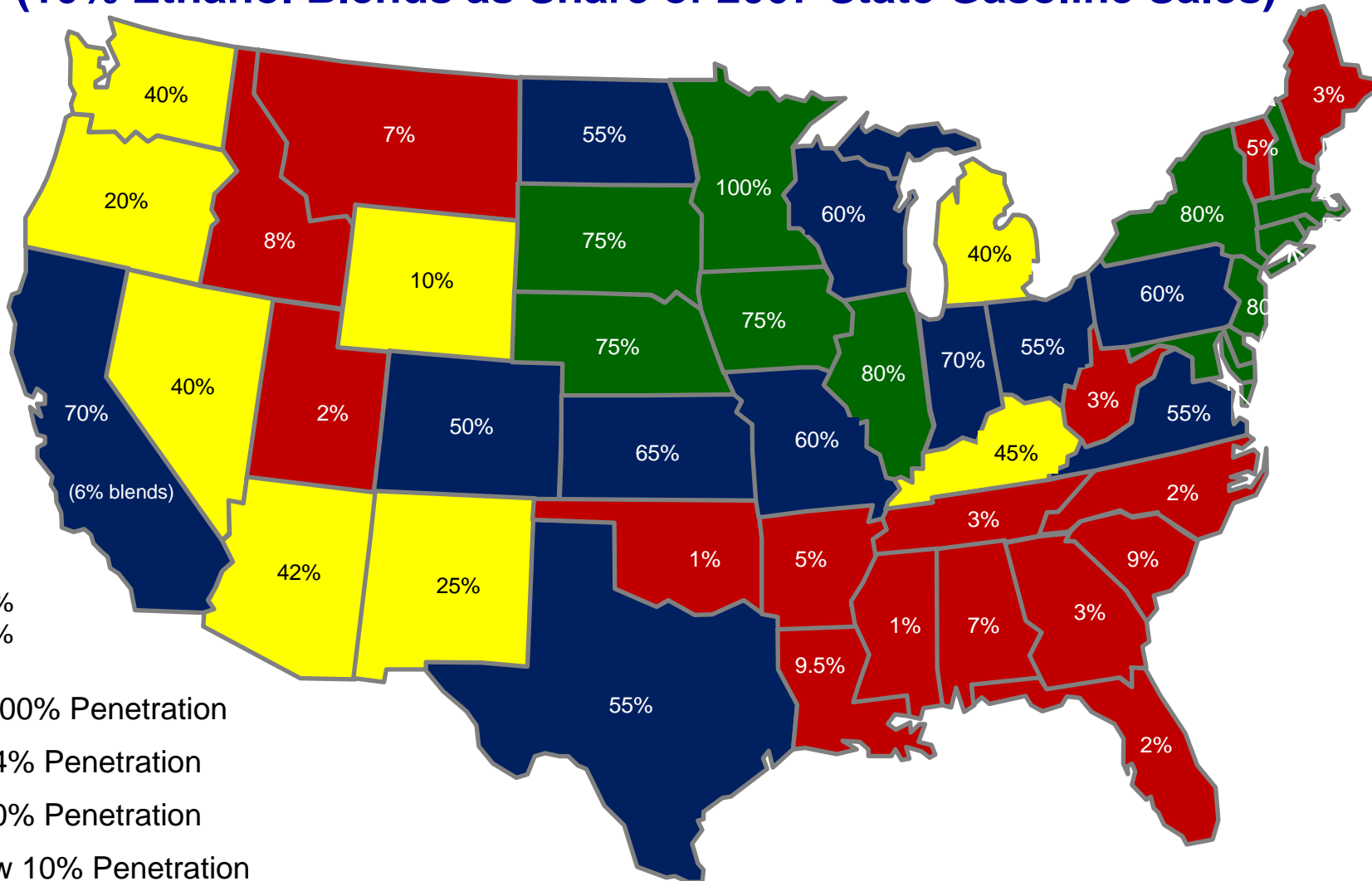
60% by Rail, 17 railcars per day

3048 railcars of DDGs per year





9 hopper cars per day

Market Penetration By State

(10% Ethanol Blends as Share of 2007 State Gasoline Sales)



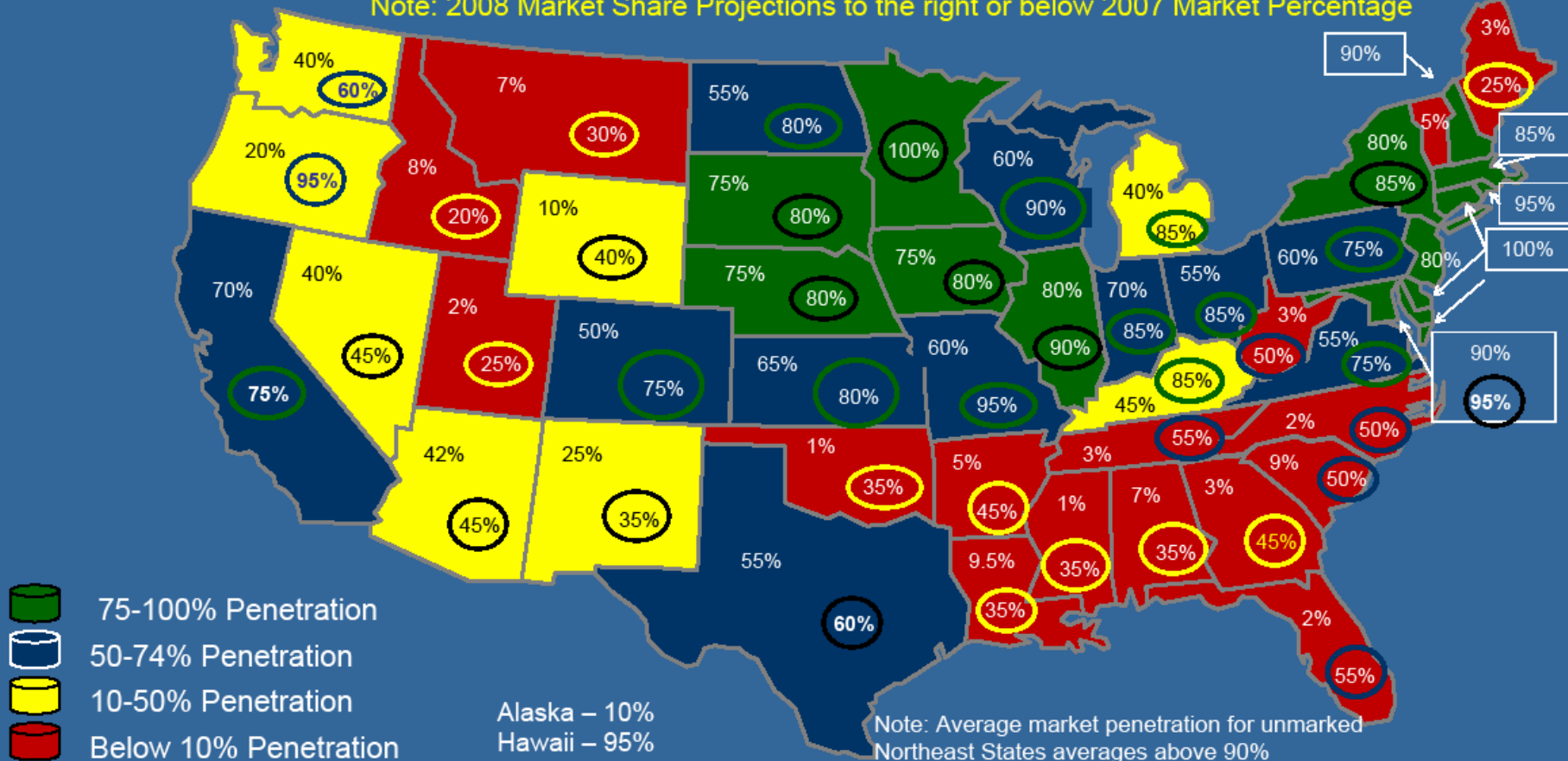
Alaska – 10%
Hawaii – 95%

-  75-100% Penetration
-  50-74% Penetration
-  10-50% Penetration
-  Below 10% Penetration

Market Penetration By State

(10% Ethanol Blends as Share of 2007/2008 State Gasoline Sales)

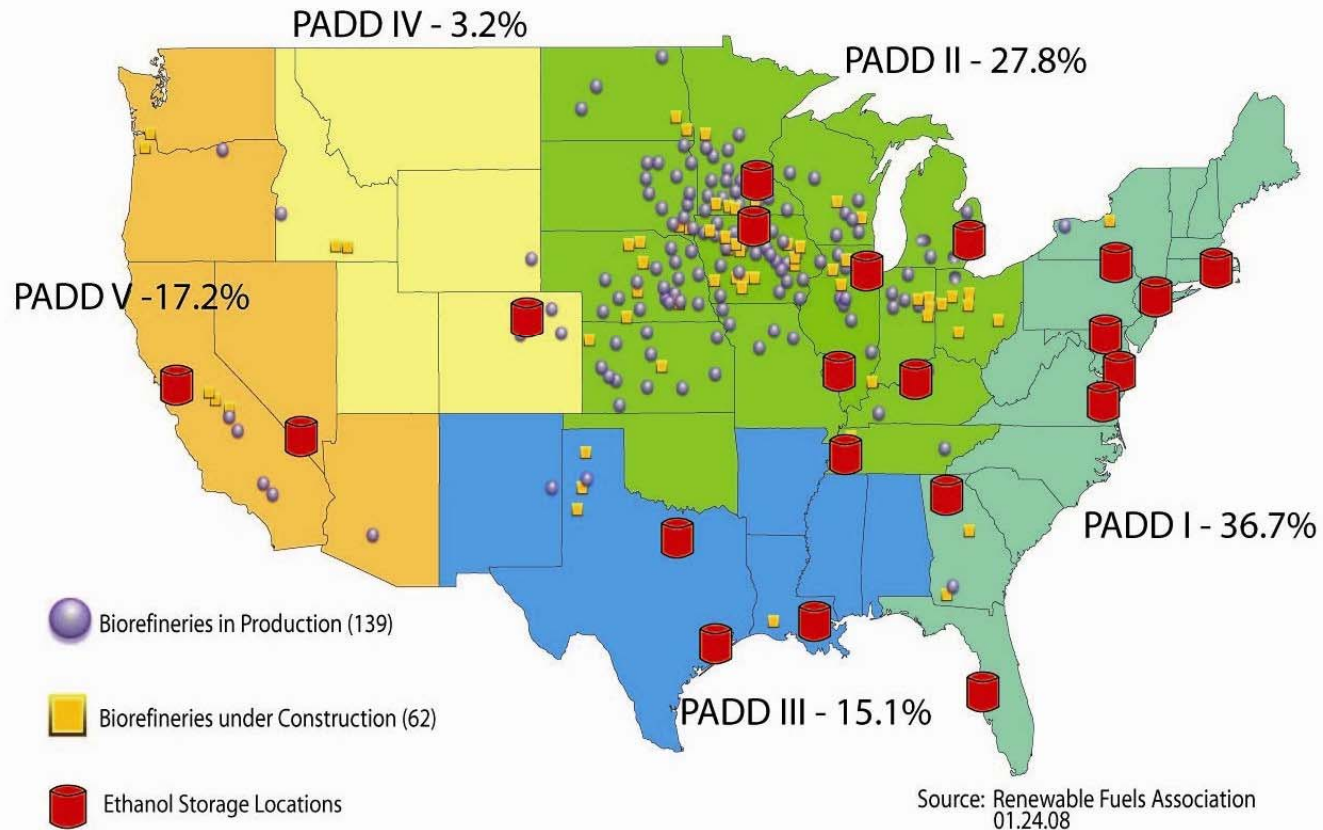
Note: 2008 Market Share Projections to the right or below 2007 Market Percentage



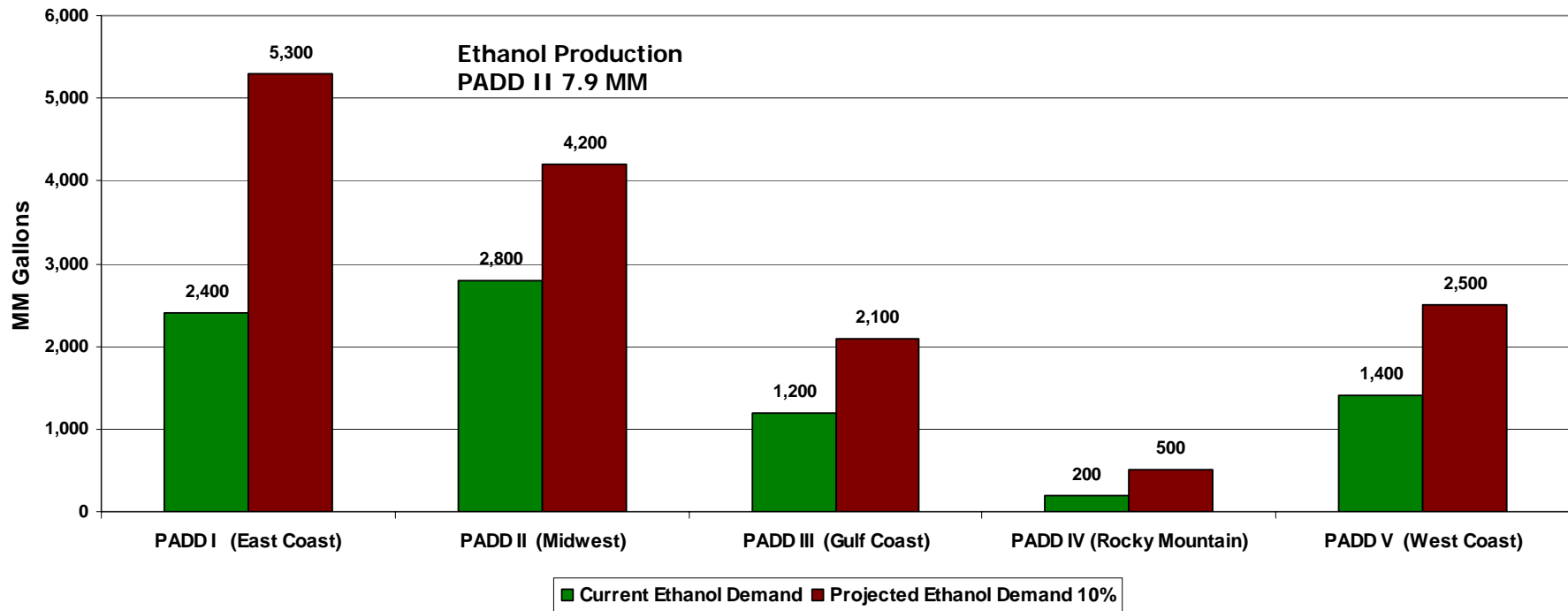
Update: North American Biofuels Information Service, April 2008

HART ENERGY CONSULTING

Gasoline Consumption



Ethanol Demand by PADD



Ethanol Railcar Shipments

- 2004: 65,372 Loads
- 2005: 72,677 Loads
- 2006: 116,224 Loads

Ethanol Industry Projection

- 2007: 156,900 est. Loads
 - (6.5 BGY est. 70% Rail with 29,000 gal/ car)
- 2008: 217,250 est. Loads
 - (9.0 BGY est. 70% Rail with 29,000 gal/ car)

Ethanol Logistics

- Unit Train Facilities
 - Lomita (Carson), CA, Sewaren, NJ, Albany, NY, Linden, NY, Dallas, TX, Providence, RI
- Additional Train Facilities being added
- Ethanol Origination Facilities
 - Manley Terminal



June 2008