

Clean Cities Coordinators Retreat Federal Fleet Opportunities

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Federal Mandates Include...

EPA Act Section 701: Federal agencies must use alternative fuel in dual-fueled AFVs. Exceptions:

- **Alternative fuel is not reasonably available**
 - 5 miles, 15 minutes, not on usual route of travel
- **Alternative fuel is unreasonably expensive**
 - More expensive than gasoline on a per-gallon basis

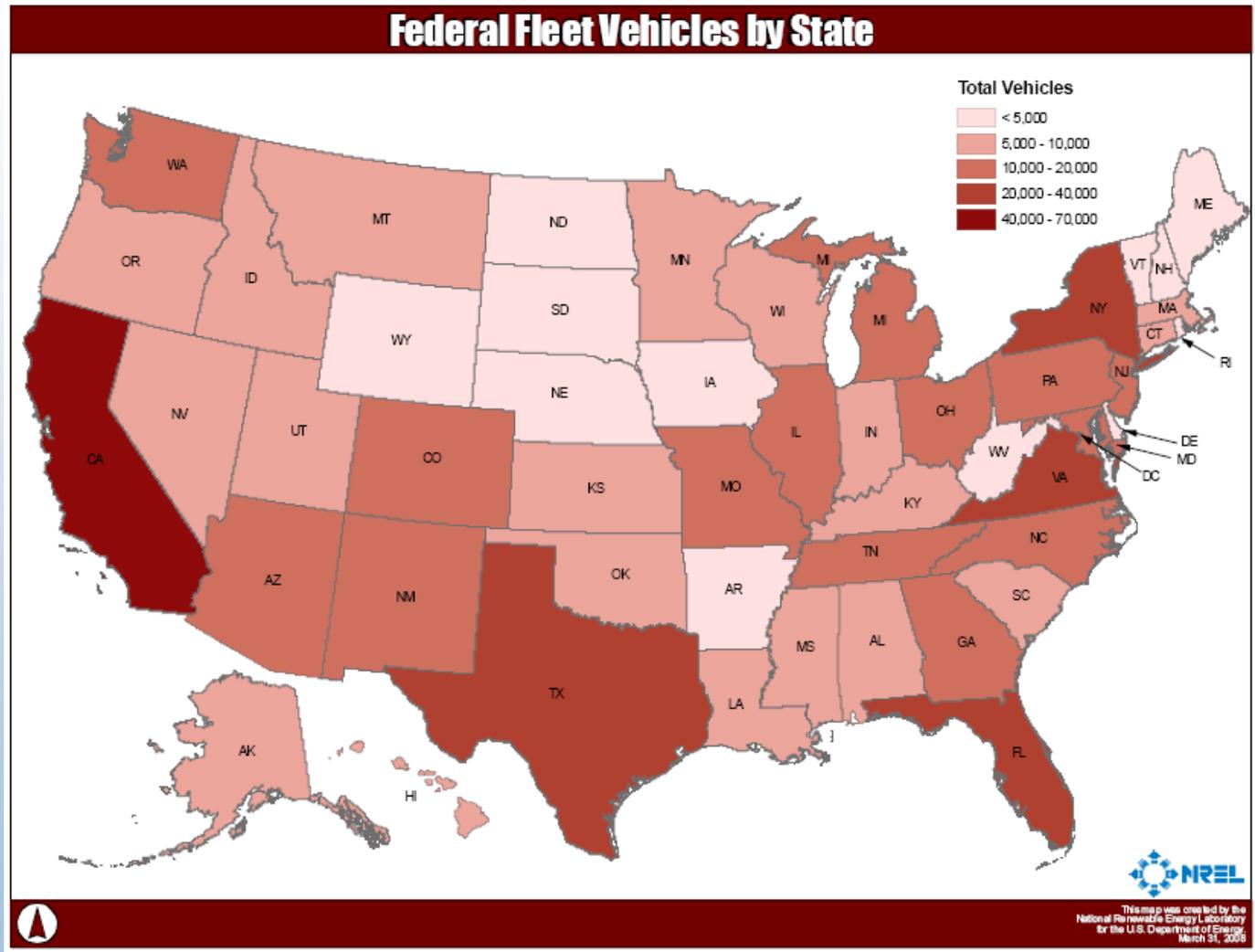
EISA/E.O. 13423 requirements

- 2% annual petroleum reduction
- 10% annual increase in alternative fuel use

About 600,000 Federal Vehicles in the U.S.

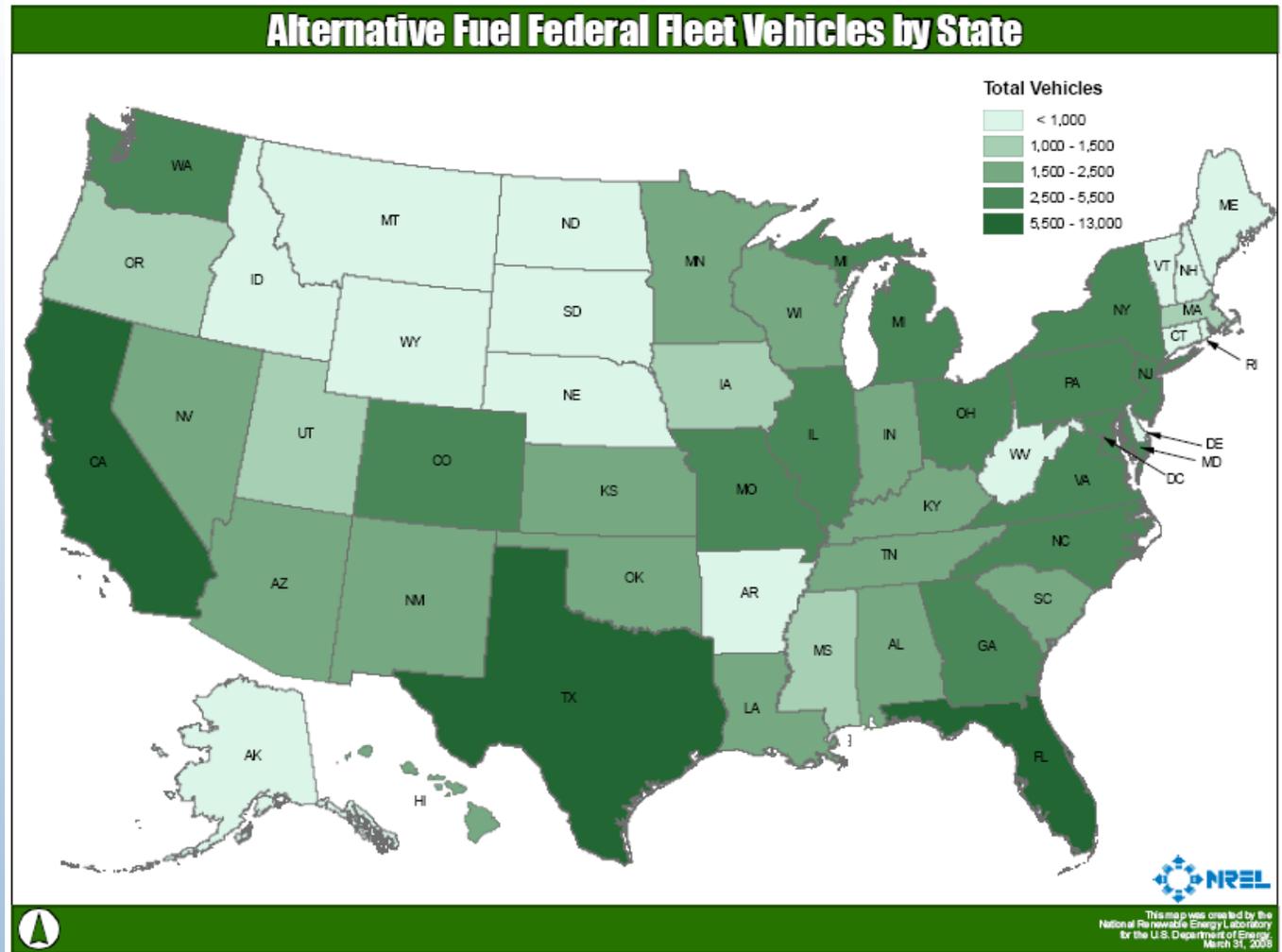
Vehicles

Gas	411,000
E85	112,700
Diesel	65,200
CNG	9,300
Other	<u>400</u>
TOTAL	598,600



About 122,000 Federal AFVs in the U.S.

# Vehicles	
E85	112,700
CNG	9,300
Other	<u>400</u>
TOTAL	122,400

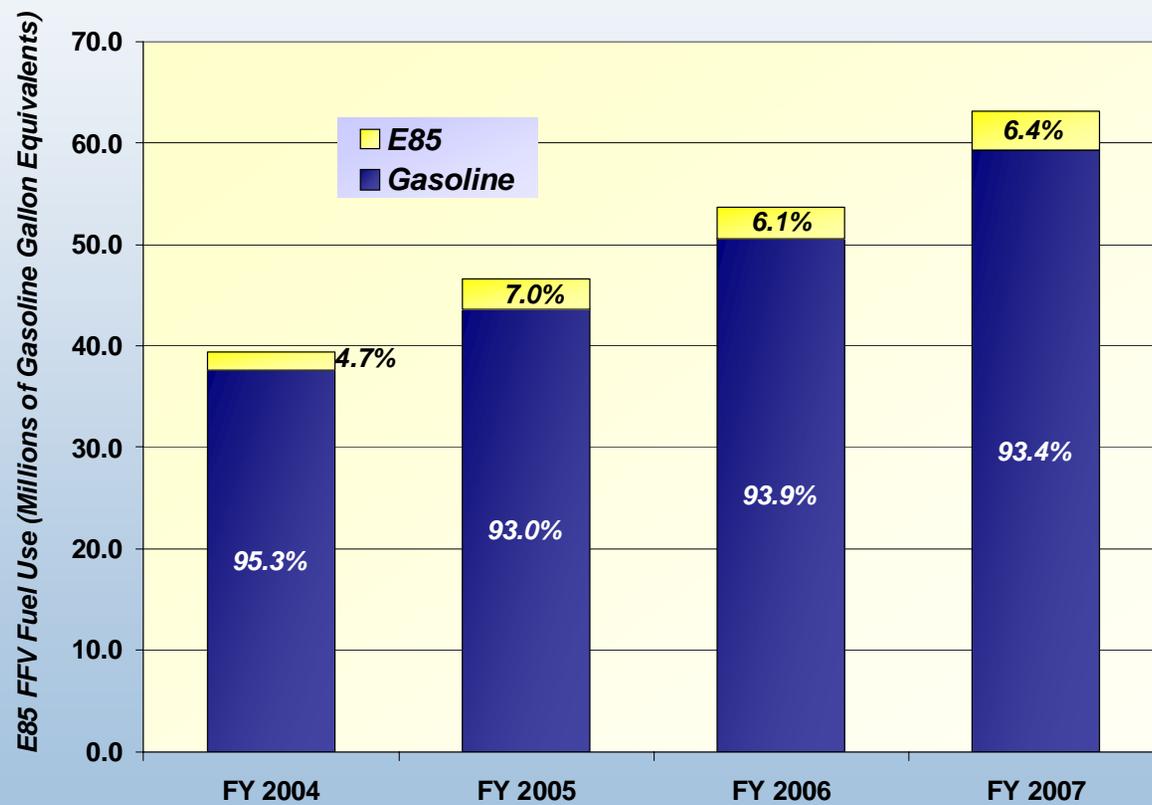


Preliminary Waiver Results for FY09

	Approved		Disapproved	
Waiver Type	2008	2009	2008	2009
Not Available	70,005	68,593	1,938	12,415
Too Expensive	4,622	0	0	xxxx
TOTAL	74,627	68,593	1,938	12,415

Low Use of E85 in Federal FFVs

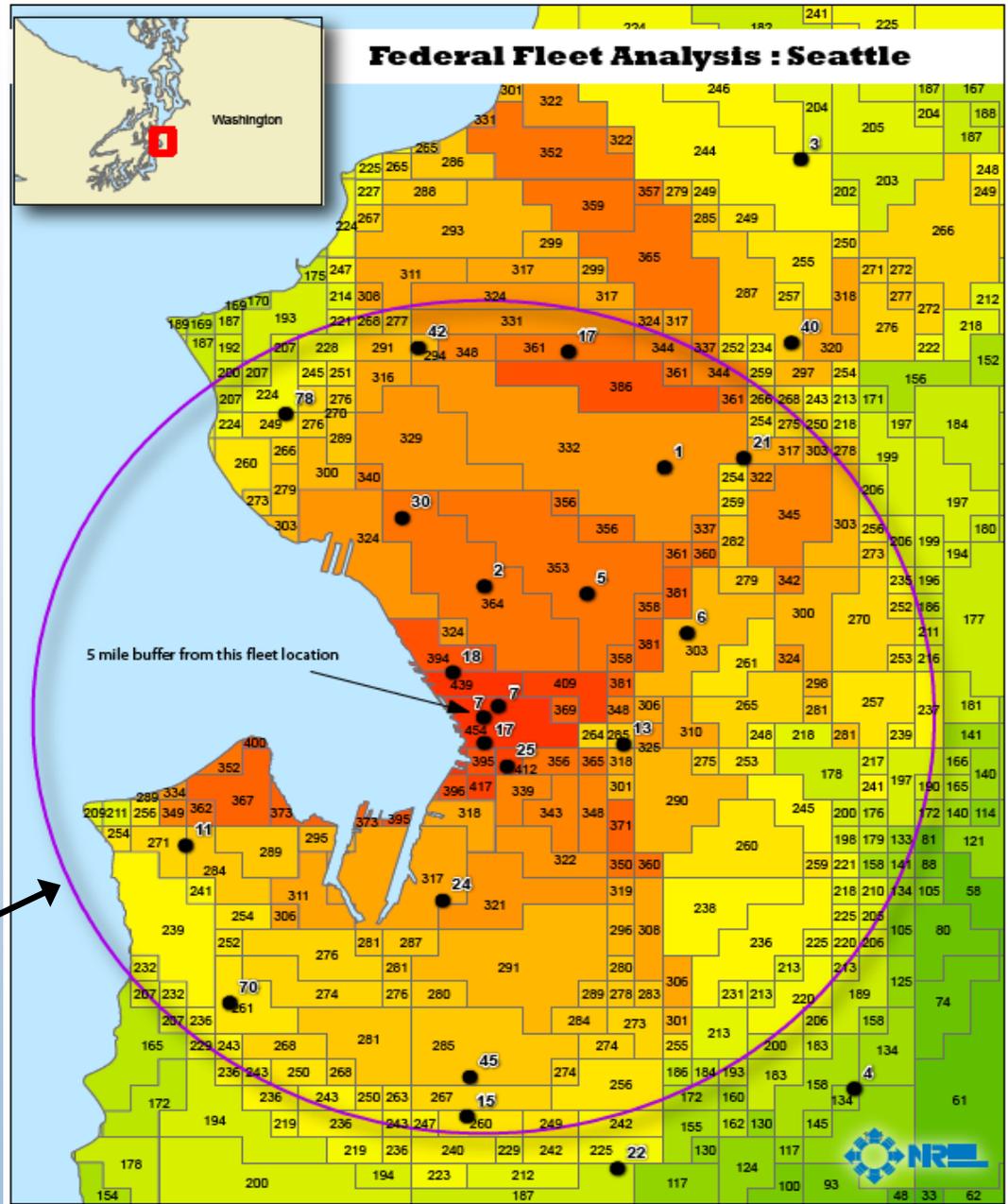
(6.4% in FY07)



- *Lack of commercial infrastructure*
- *Lack of E85 pumps at Federal Fueling Centers*
- *Limited use of existing infrastructure*

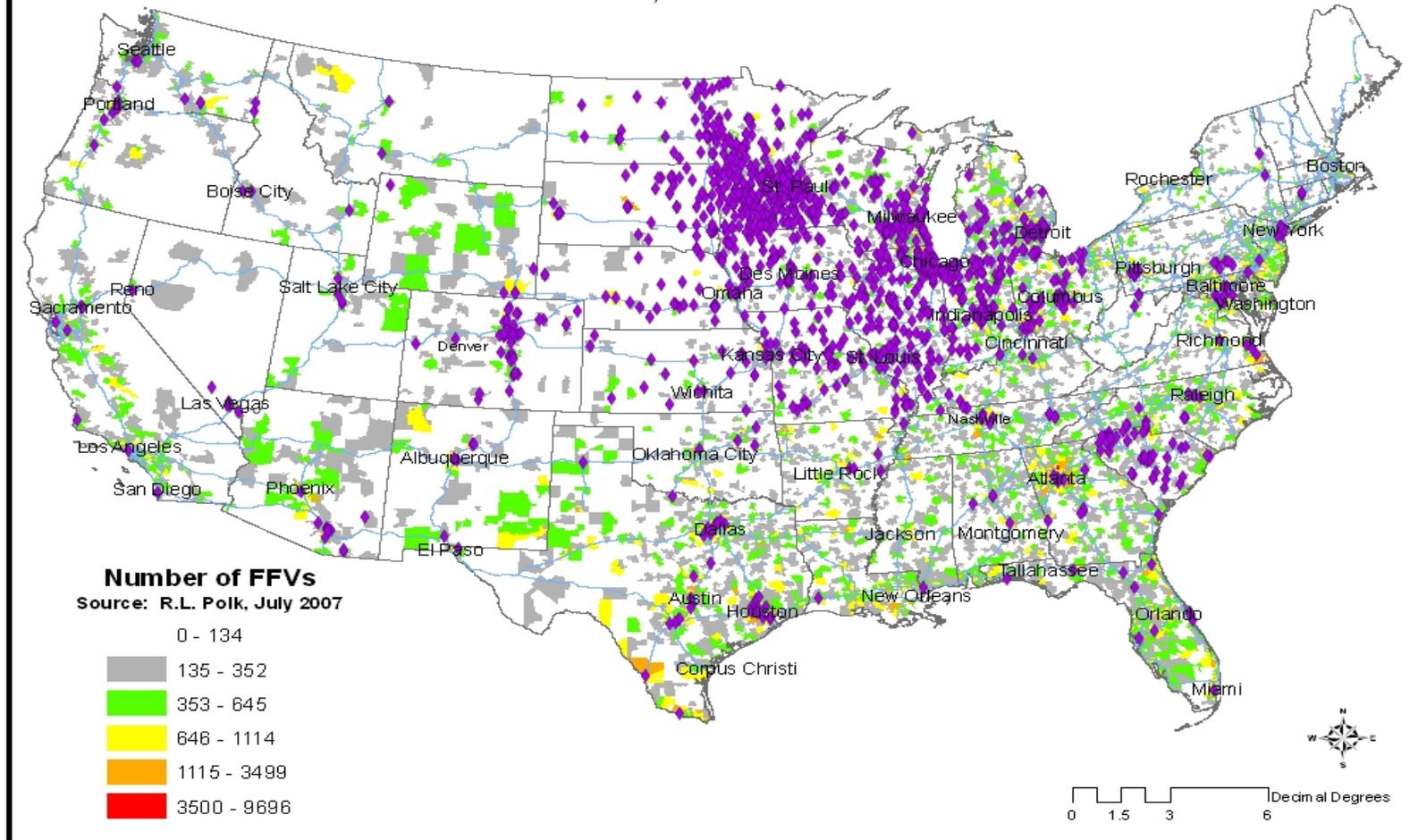
Proximity of Federal Fleet FFVs to hypothetical E-85 station

14 of 21 Federal agencies have vehicles in this 5 mile radius



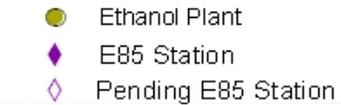
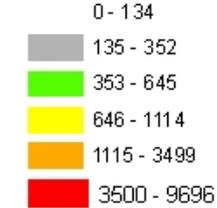
Public Sector Potential

◆ E85 Stations
AFDC, March 2008



Regional E85 Features

Number of FFVs



20 Mile Radius* of Sioux Falls

68 gas vehicles per mi²
2.5 FFVs per mi²
381 FFVs per E85 station (17)

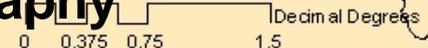
20 Mile Radius* of Des Moines

181 gas vehicles per mi²
6 FFVs per mi²
1880 FFVs per E85 station (7)

20 Mile Radius* of Omaha

250 gas vehicles per mi²
8 FFVs per mi²
2855 FFVs per E85 station (7)

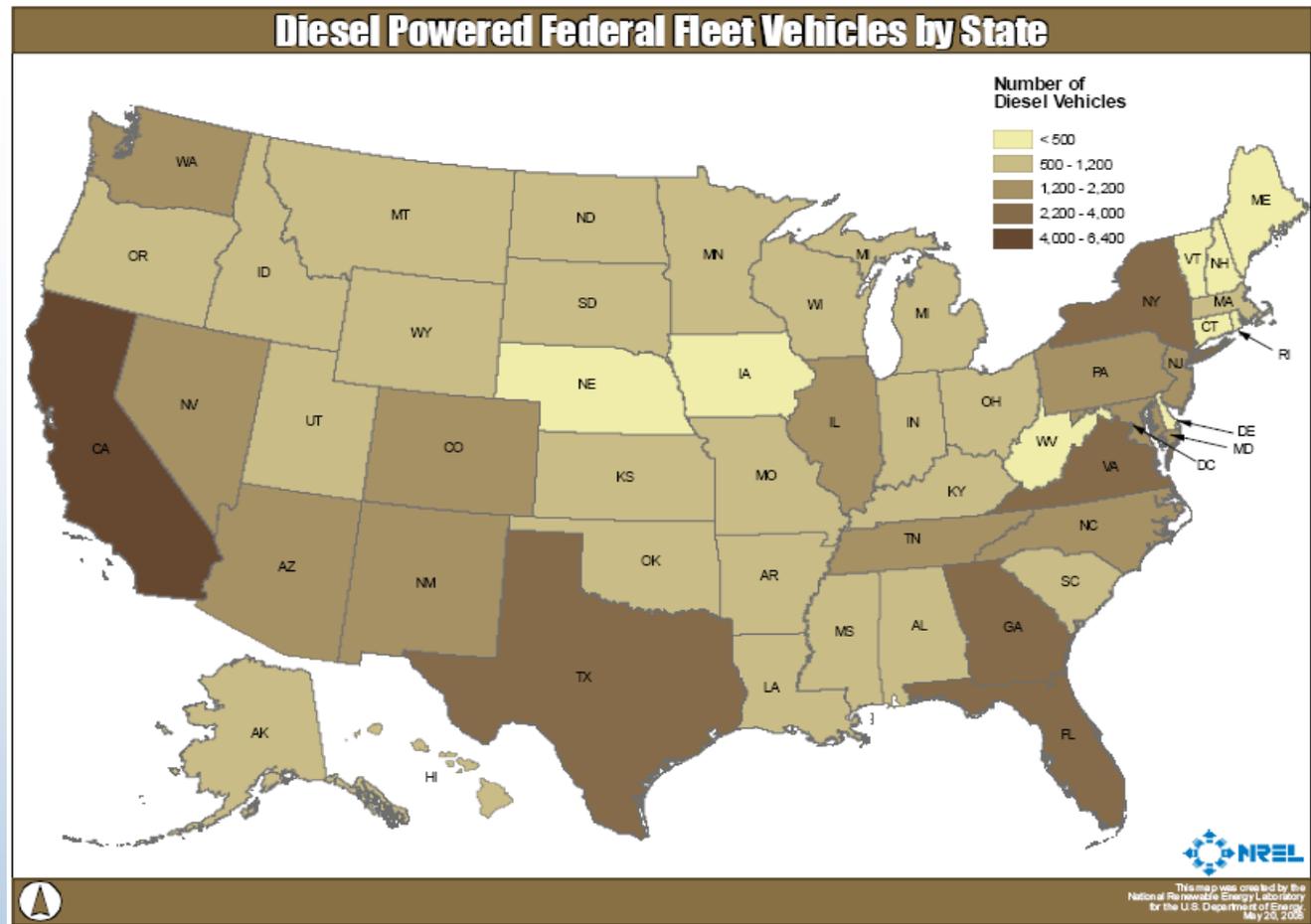
***20 mile radius not exact
due to Zip code
geography**



2007 Diesel Use Preliminary Data:

- 42.4M GGE
- 6.2M GGE from B20

B20 can be a relatively cheap EPA Act 1992 AFV acquisition credit



CA 6,400	TX 3,800	NY 3,100
VA 2,700	FL 2,500	GA 2,300
AZ 2,200	NM 2,000	WA 2,000

Federal Fleets and Clean Cities – a Natural Partnership

- Common goals of increased AF use and infrastructure
- Feds can assist CCC:
 - Provide high density Federal fleet location data to CCC
 - Potential financial assistance
 - Guarantee AF use via long-term contracts
- CCC can assist Feds:
 - Identify other fleets in the local area that could use AF
 - Act as liaison between fuel providers and fleets
 - Participate in Working Group
- State fleets are potential partners too!

Points of Contact

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