

# Early Fuel Cell Market Deployments: ARRA and Combined (IAA, DLA, ARRA)



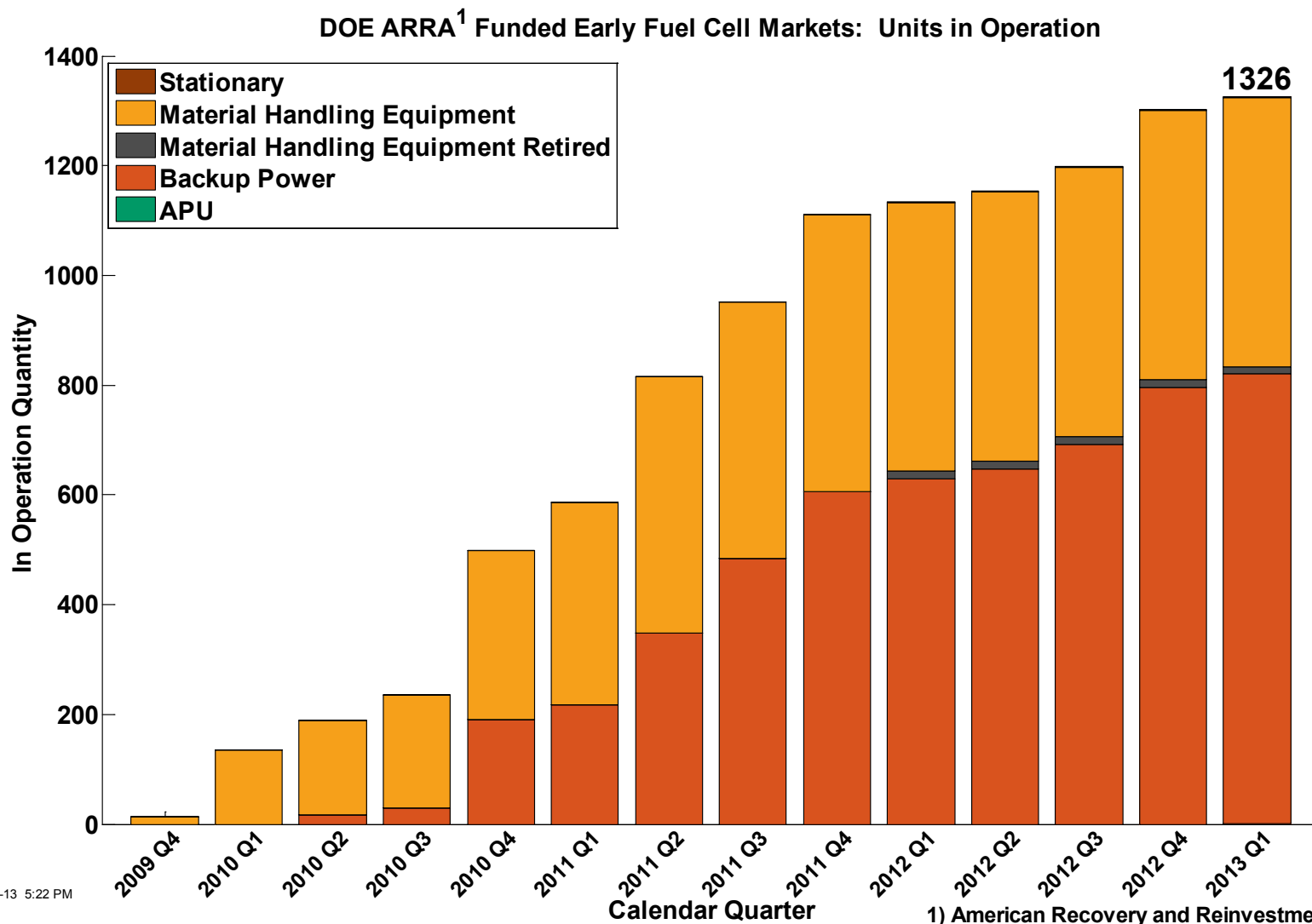
Quarter 1 2013  
Composite Data  
Products – *Deployment*

May 09, 2013

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# CDP ARRA#02: Fuel Cell Units in Operation

## Current and Projected Quantities

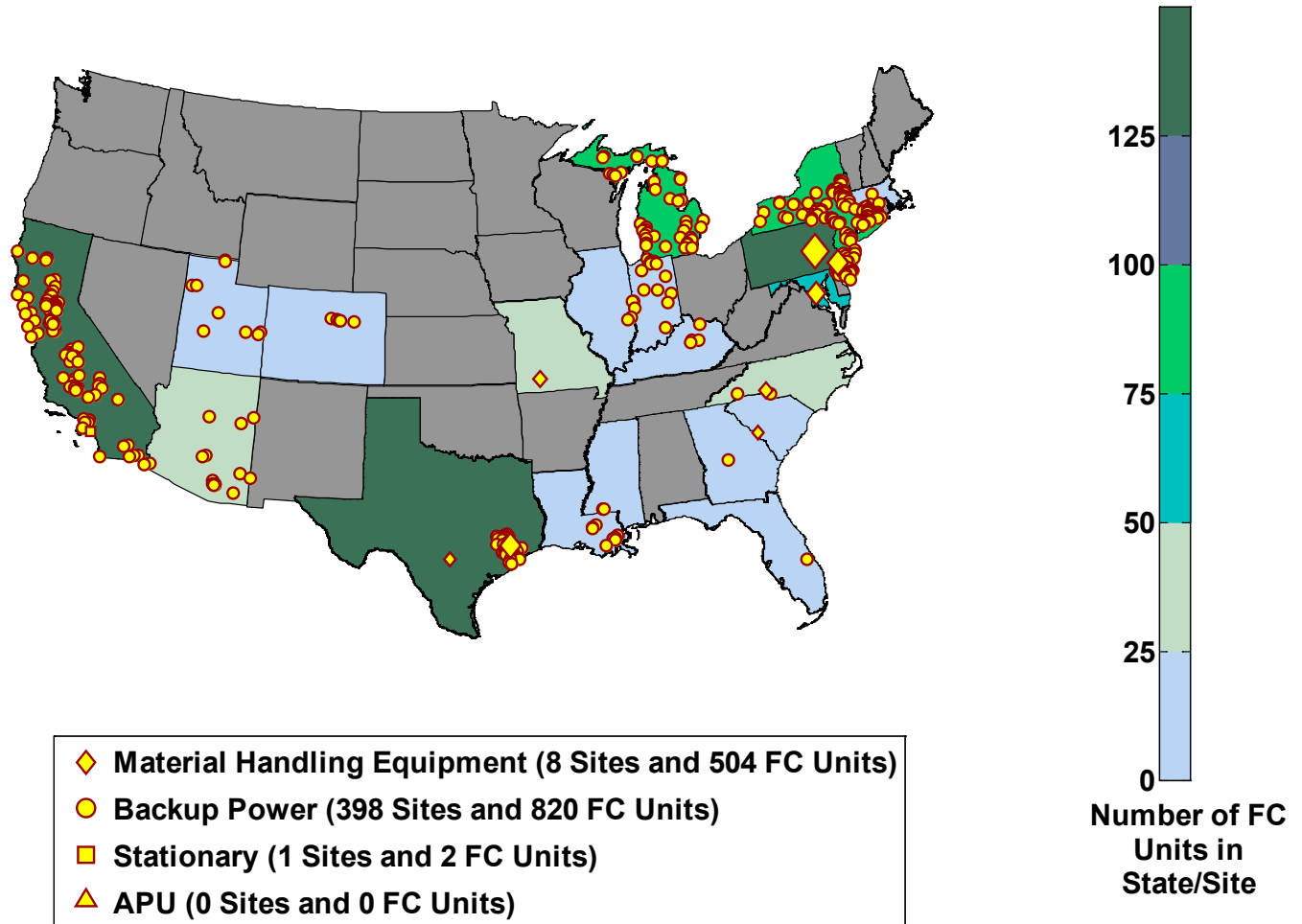


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1) American Recovery and Reinvestment Act

# CDP ARRA#03: Early Fuel Cell Market Deployment Sites

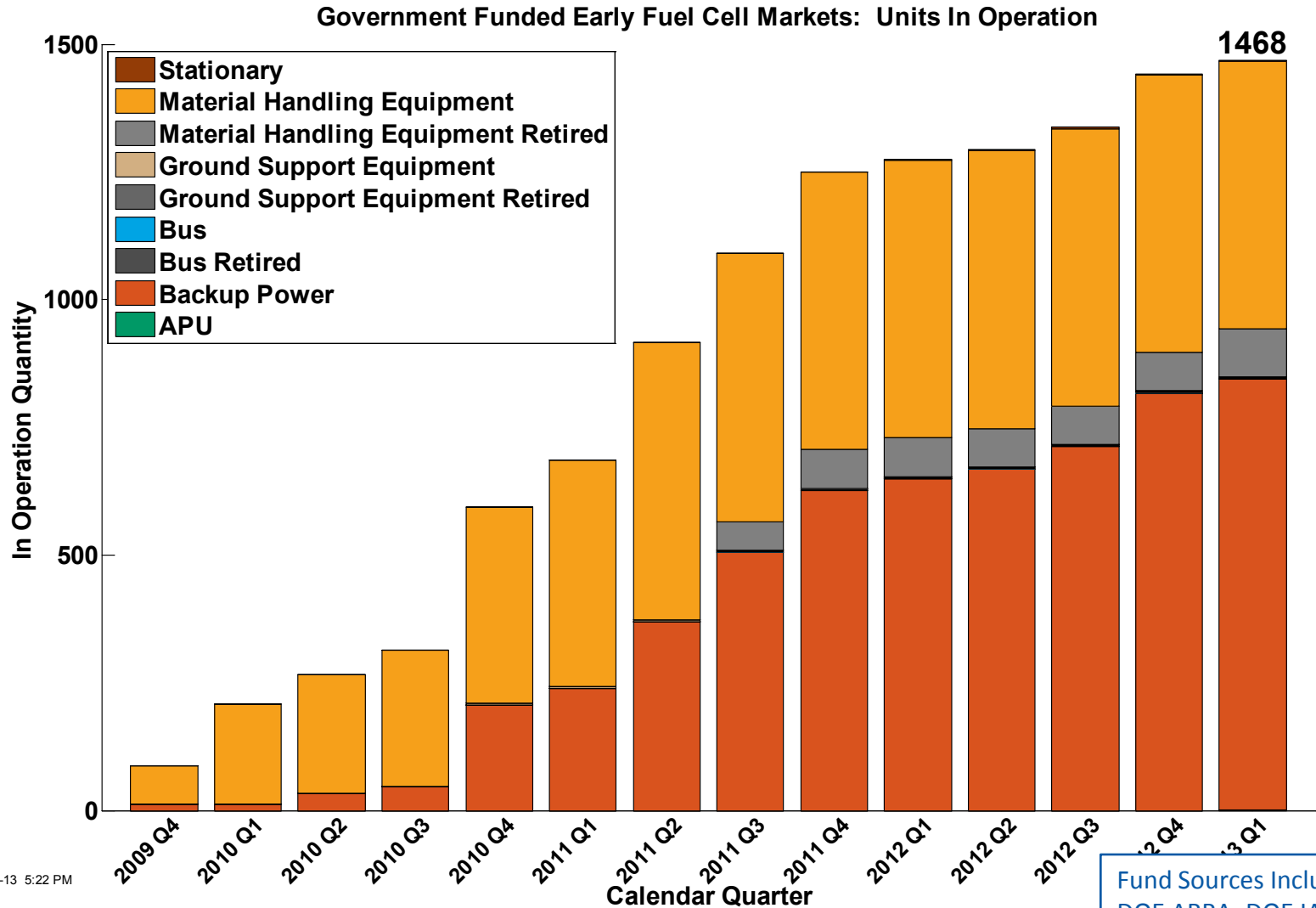
FC Unit Locations - ARRA



# DOE ARRA, DOE IAA, & DoD

Early Fuel Cell Market Deployments

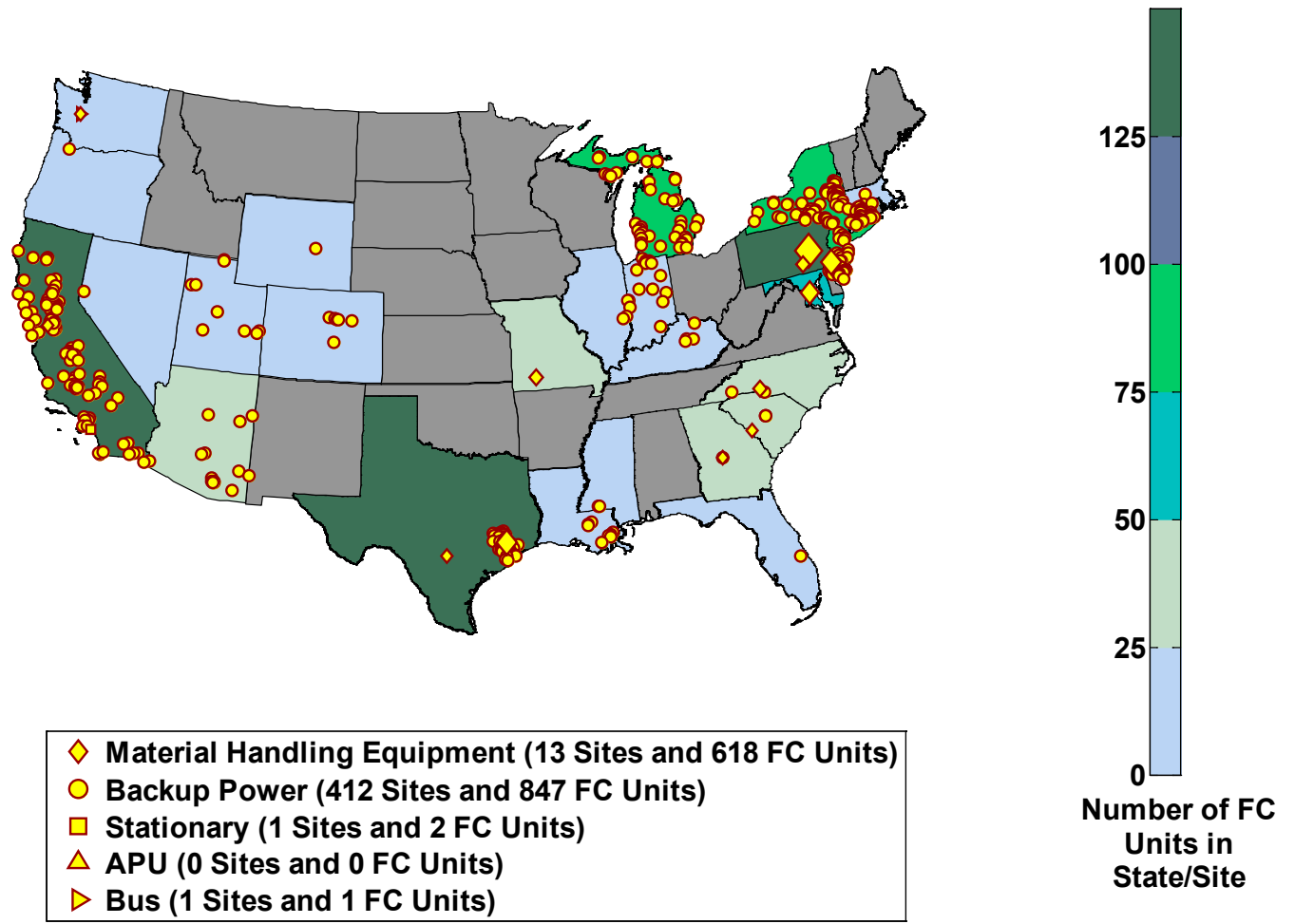
# Government/Industry Fuel Cell Units in Operation



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# Government/Industry Early Fuel Cell Market Deployment Sites

FC Unit Locations - Early Market Applications



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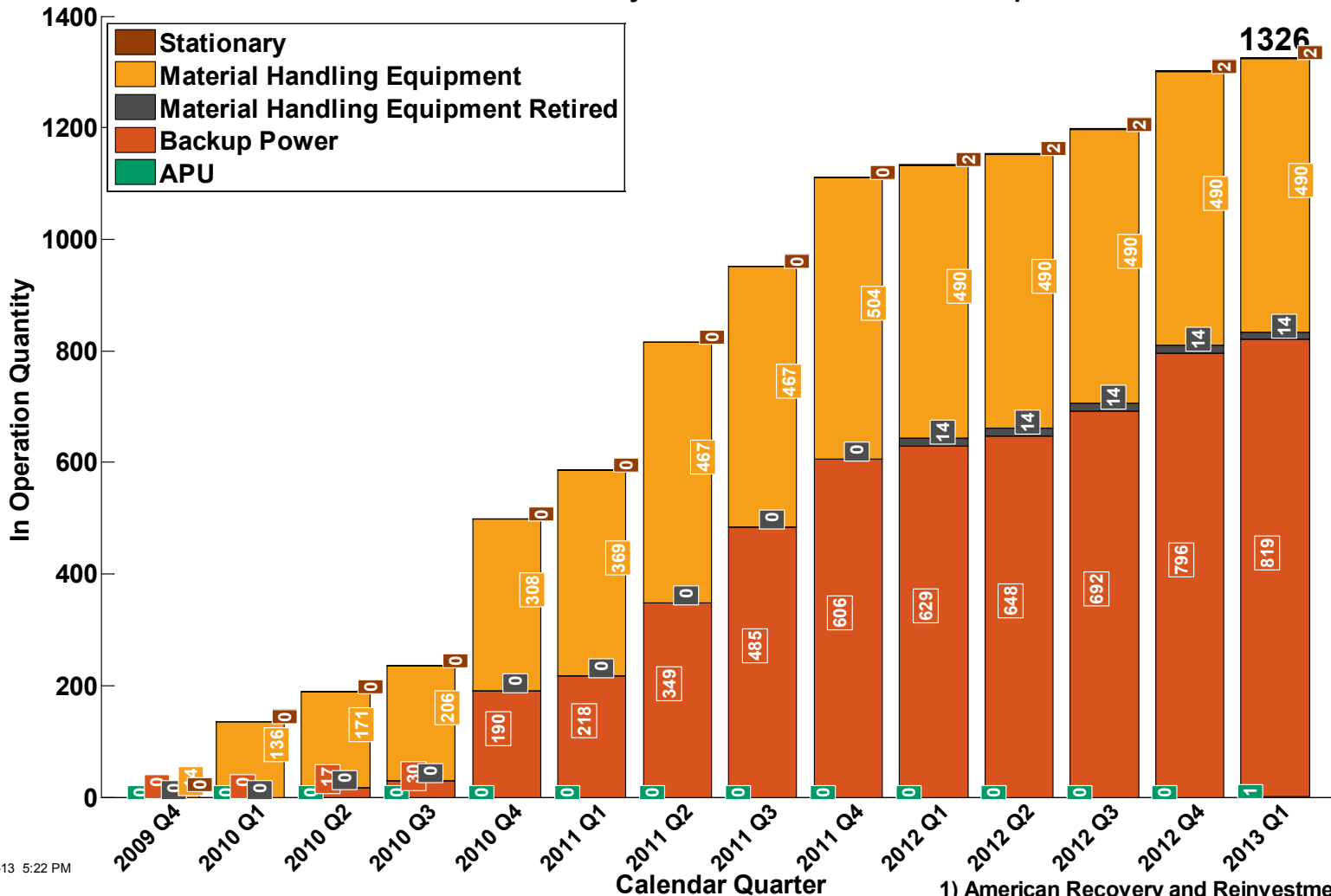
# **DOE ARRA & Combined Operation Quantities**

List Quantities - FYI

# ARRA Fuel Cell Units in Operation

## Current and Projected Quantities

DOE ARRA<sup>1</sup> Funded Early Fuel Cell Markets: Units in Operation



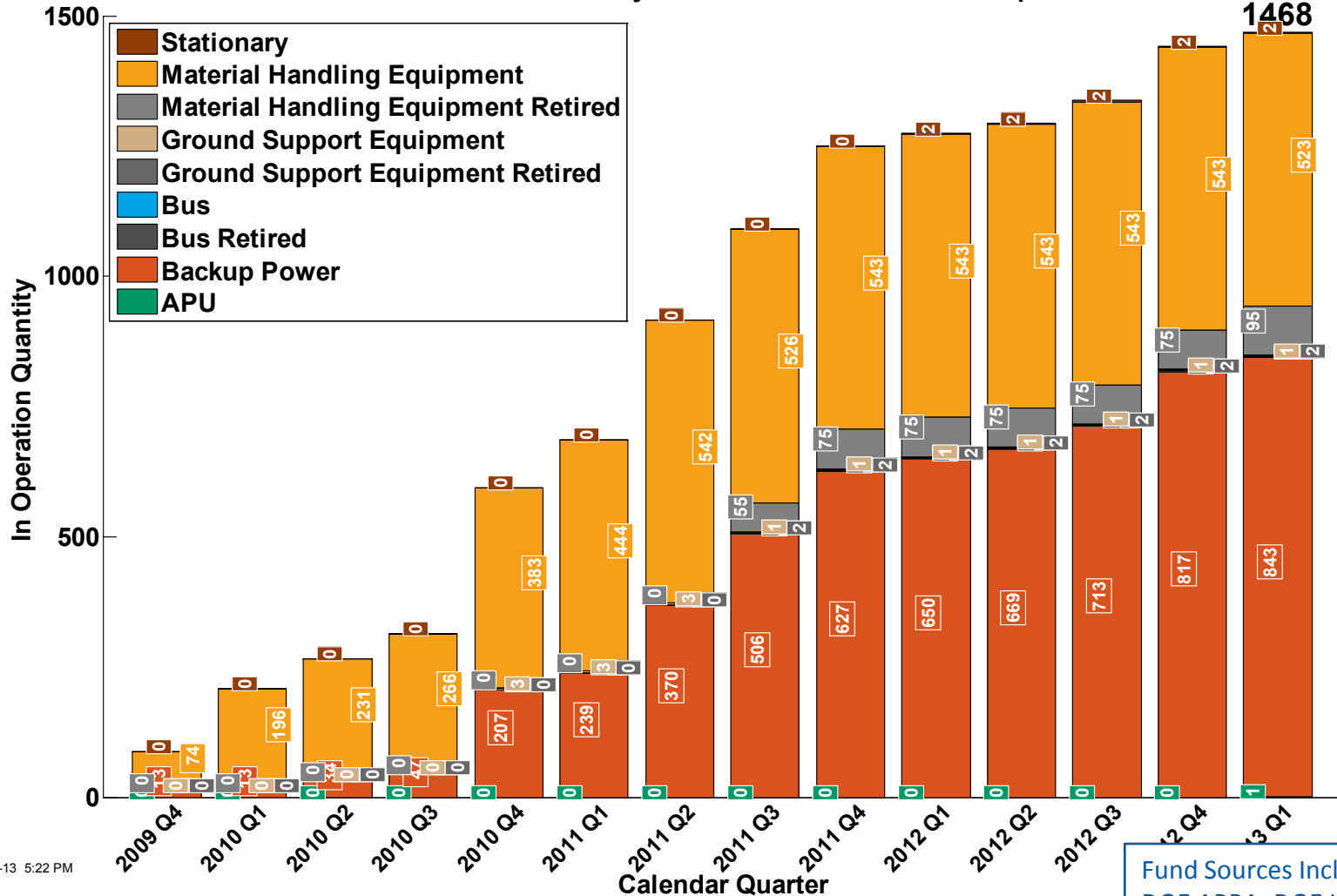
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1) American Recovery and Reinvestment Act



# Government Funded Fuel Cell Units in Operation: Current and Projected Quantities

Government Funded Early Fuel Cell Markets: Units In Operation



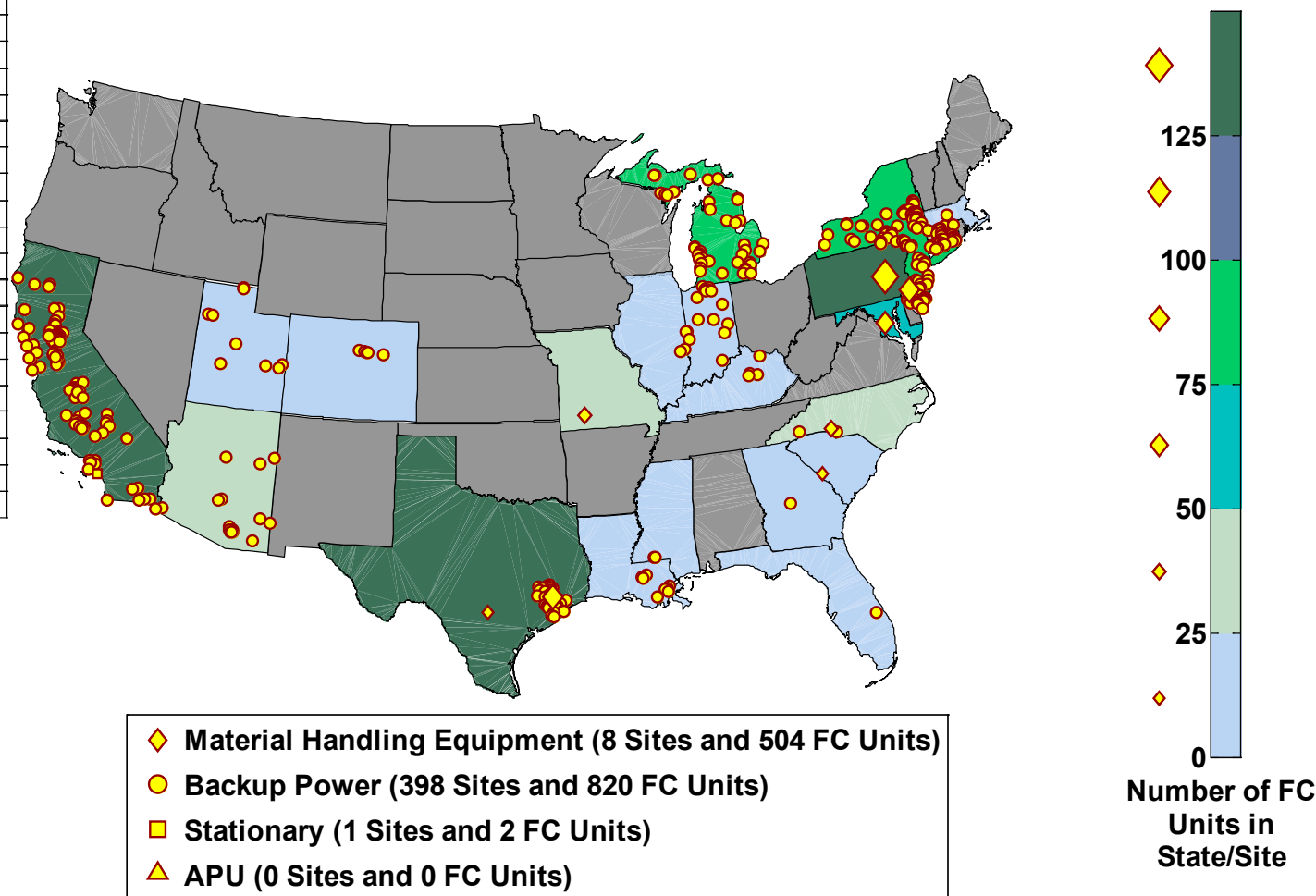
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Fund Sources Include:  
DOE ARRA, DOE IAA, DoD

# CDP ARRA#03: Early Fuel Cell Market Deployment Sites with Numbers

State	Sites	Units
Arizona	16	42
California	123	269
Colorado	5	12
Connecticut	28	45
Florida	1	3
Georgia	1	10
Illinois	2	2
Indiana	16	25
Kentucky	4	11
Louisiana	8	16
Maryland	1	61
Massachusetts	1	2
Michigan	41	84
Mississippi	2	4
Missouri	1	35
New Jersey	38	80
New York	55	99
North Carolina	3	44
Pennsylvania	2	231
South Carolina	1	25
Texas	49	208
Utah	9	18
<b>Total</b>	<b>407</b>	<b>1326</b>

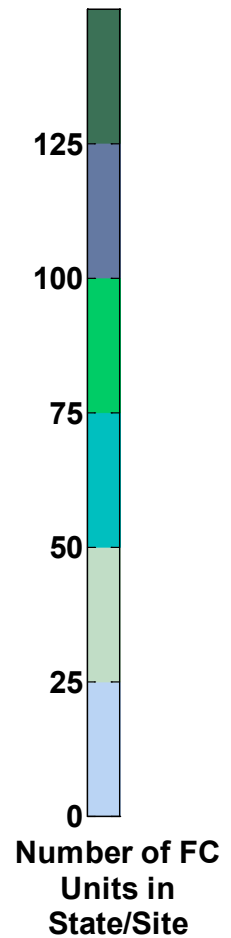
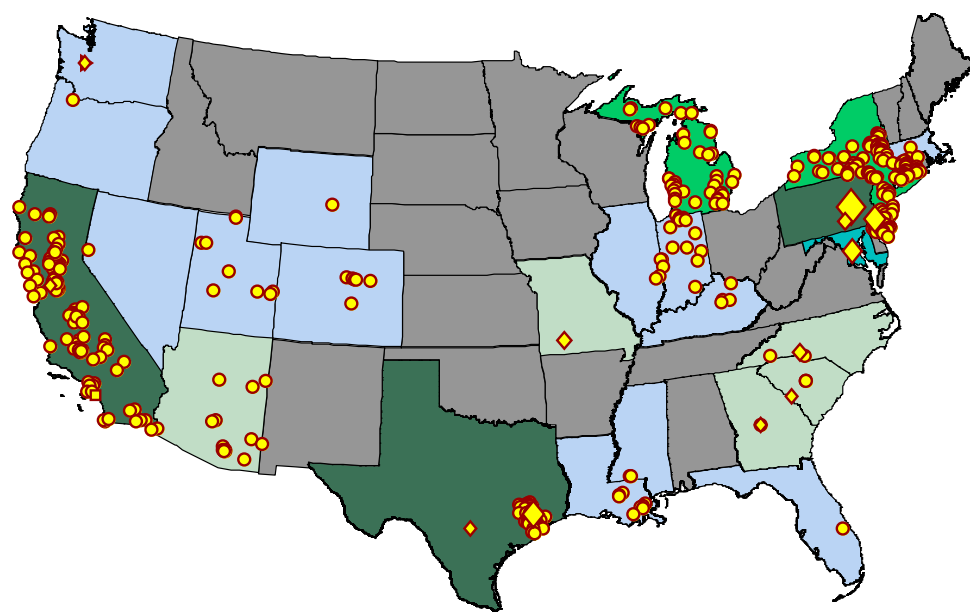
FC Unit Locations - ARRA



# Combined Early Fuel Cell Market Deployment Sites with Numbers

FC Unit Locations - Early Market Applications

State	Sites	Units
Arizona	16	42
California	131	302
Colorado	6	13
Connecticut	28	45
Florida	1	3
Georgia	3	32
Illinois	2	2
Indiana	16	25
Kentucky	4	11
Louisiana	8	16
Maryland	1	61
Massachusetts	1	2
Michigan	41	84
Mississippi	2	4
Missouri	1	35
Nevada	1	1
New Jersey	38	80
New York	55	99
North Carolina	3	44
Oregon	1	1
Pennsylvania	5	287
South Carolina	4	35
Texas	49	208
Utah	9	18
Washington	2	20
Wyoming	1	1
<b>Total</b>	<b>429</b>	<b>1471</b>



- ◆ Material Handling Equipment (13 Sites and 618 FC Units)
- Backup Power (412 Sites and 847 FC Units)
- Stationary (1 Sites and 2 FC Units)
- ▲ APU (0 Sites and 0 FC Units)
- ▶ Bus (1 Sites and 1 FC Units)

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