Spring 2011 Composite Data Products
Backup Power

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TP-5600-51578
Backup Power Fuel Cell Systems Deployed

1) Sites may have more than one FC system
2) Not all FC systems are supplying operation data
Deployed kW Capacity for Backup Power

- 2009 Q3: 50 kW
- 2009 Q4: 70 kW
- 2010 Q1: 70 kW
- 2010 Q2: 104 kW
- 2010 Q3: 130 kW
- 2010 Q4: 420 kW
### Backup Power Deployments

**State** | **kW Capacity** | **Sites**
---|---|---
Arizona | 40 | 9
California | 146 | 23
Colorado | 24 | 5
Florida | 6 | 1
Illinois | 4 | 2
Indiana | 24 | 10
Michigan | 102 | 25
South Carolina | 50 | 1
Utah | 36 | 9

**Totals** | **432** | **85**

- **Site Capacity** (line height proportional to installed site kW capacity)
- **Number of Sites in State**
FC system conditioning is an automated operation for regular system checks; activated after long periods of no operation.
1) FC system conditioning is an automated operation for regular system checks that are run after long periods of no operation.
CDP-BU-06
Cumulative Hydrogen Consumed by Month
1) FC system conditioning is an automated operation for regular system checks; activated after long periods of no operation.
Continuous Fuel Cell System Run Time

- Continuous System Run Time

- Starts [\%]

- Starts <= 60 mins [\%]

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Unsuccessful Operation Categories

Unsuccessful Operations/Starts

EStop
NREL cdp_bu_10
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