



www.advancedenergy.org



▶ Plug-in Hybrid Electric School Buses

Delivered

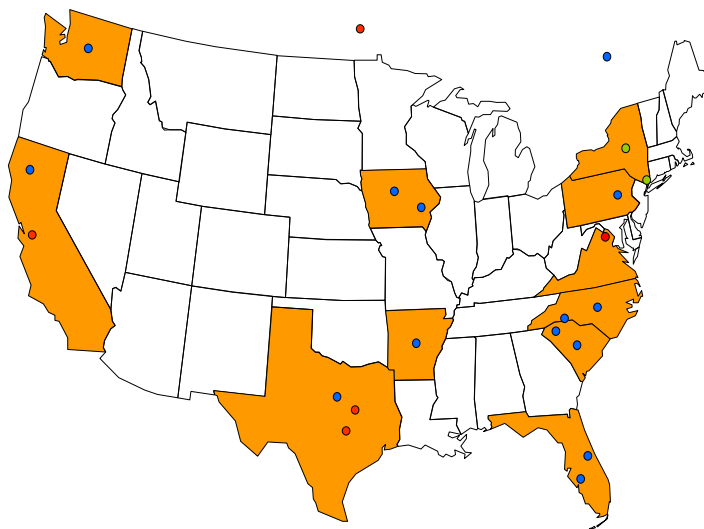
- ▶ Arkansas (1)
- ▶ California (1)
- ▶ Florida (2)
- ▶ North Carolina (2)
- ▶ Pennsylvania (1)
- ▶ South Carolina (2)
- ▶ Texas (1)
- ▶ Washington (1)
- ▶ Iowa (2)
- ▶ Canada (1)

Ordered

- ▶ New York (2)

Pending

- ▶ Texas (2)
- ▶ California (1)
- ▶ Canada (1)
- ▶ Virginia (1)





► Performance – Dynamometer Testing

Cycle Specific Results: West-Virginia Suburban Cycle

Test	MPG*	MM MPG**	THC	CO	NO _x	CO ₂	PM	NO	NMHC	NO ₂
<i>Diesel</i>	7.1	6.8	0.479	2.773	6.043	1435.1	0.158	5.64	0.479	0.404
<i>Hybrid</i>	12.9	12.8	0.624	2.401	3.64	793.8	0.105	3.08	0.624	0.564
% Imp	82.3%	88.8%	30.4%	-13.4%	-39.8%	-44.7%	-33.5%	-45.5%	30.4%	39.8%

Fuel Efficiency

Greenhouse Gas Reduction

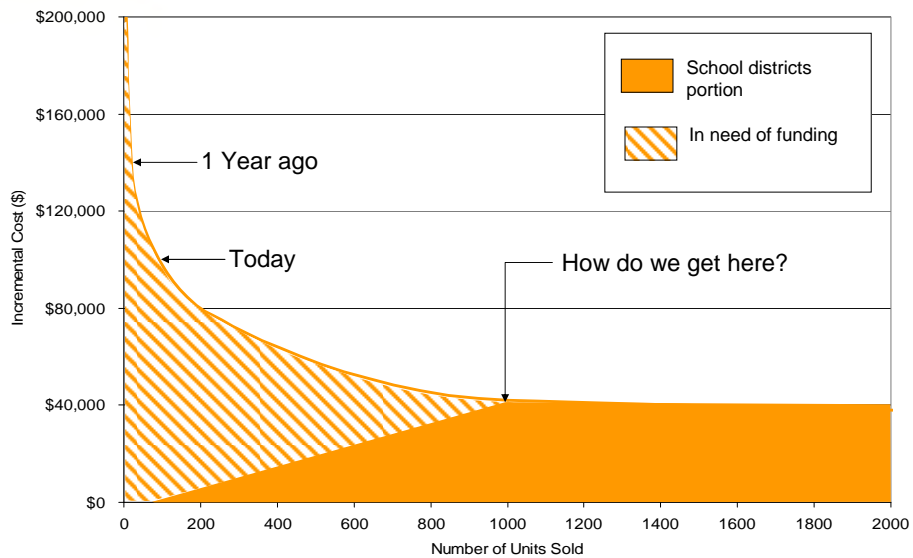
Pollutant Reductions

* MPG is calculated from exhaust carbon

** MM MPG is Micro Motion, calculated by fuel flow rate



► Incremental cost per unit



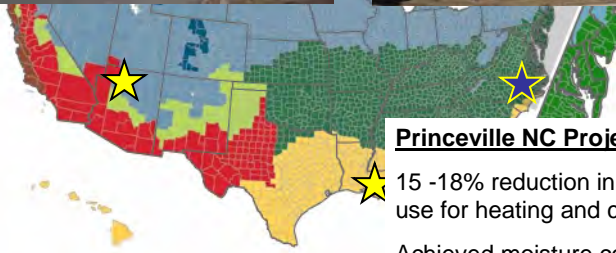


► Crawl Space Update

Flagstaff, Arizona



Baton Rouge, Louisiana



Princeville NC Project – 2001 – 2004

15 -18% reduction in annual energy use for heating and cooling

Achieved moisture control

Significantly reduced mold growth

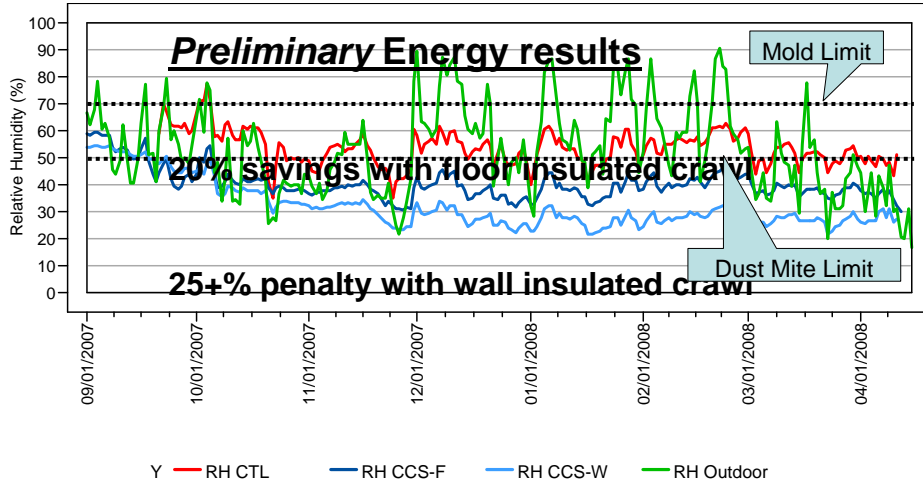




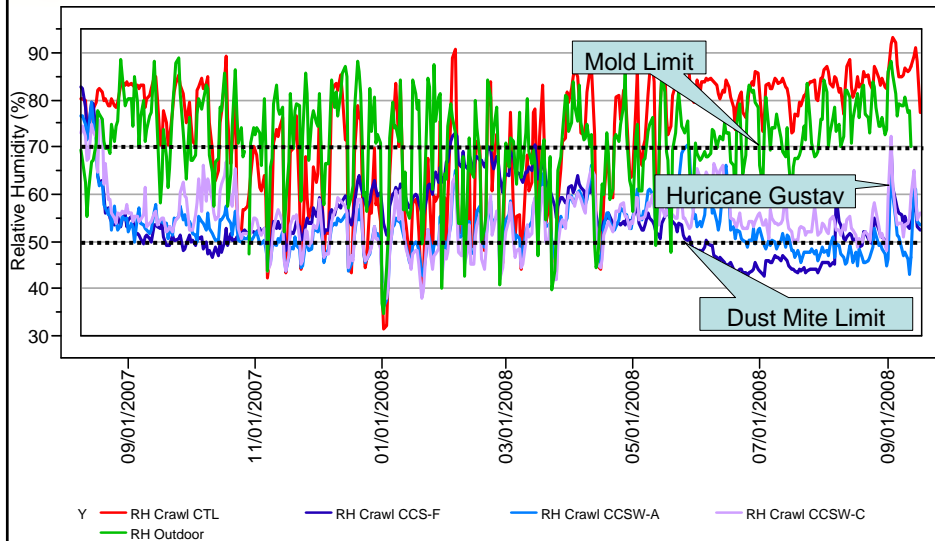




▶ Flagstaff Relative Humidity



▶ Baton Rouge Relative Humidity





► Envision Center – Last Week

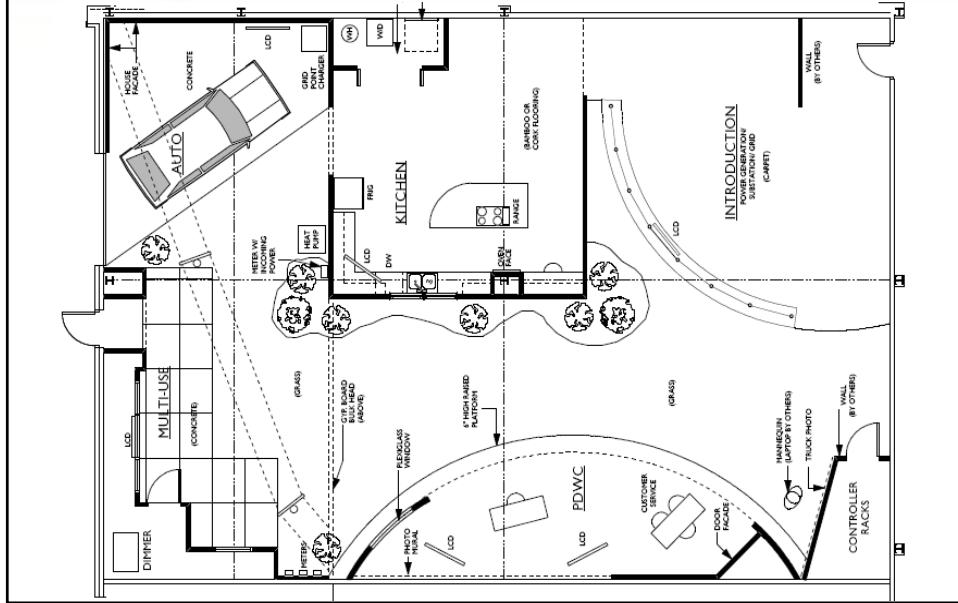


► Envision Center – January 2009

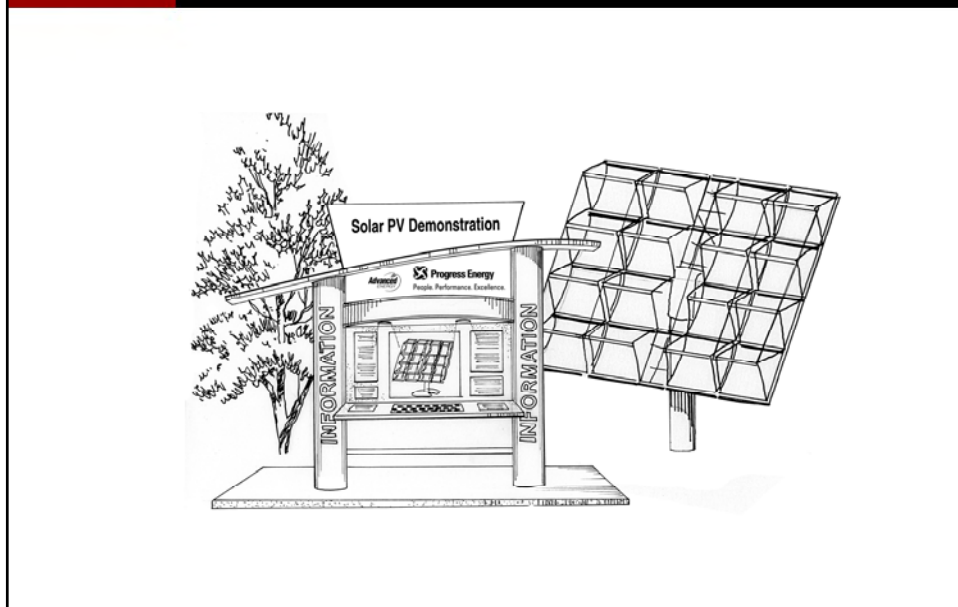




► Envision Center @ Advanced Energy



► Solar PV Demonstration





NcGreenPower

The power to choose. The power to change.

- ▶ 2003 - Retail program allowing NC ratepayers the opportunity to buy electricity from renewable resources
- ▶ 2008 – Carbon offset product added



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▶ <http://www.cheatneutral.com/>

What is Cheat Offsetting?

When you cheat on your partner you add to the heartbreak, pain and jealousy in the atmosphere. Cheatneutral offsets your cheating by funding someone else to be faithful and NOT cheat.

<http://www.cheatneutral.com/>
This neutralizes the pain and unhappy emotion and leaves you with a clear conscience.

Can I offset all my cheating?

First you should look at ways of reducing your cheating. Once you've done this you can use Cheatneutral to offset the remaining, unavoidable cheating



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► Crawl Space Construction by Climate Zone

