



# STATEMENT OF ENERGY DESIGN INTENT

August 30, 2006

## FACILITY INFORMATION

### Facility Name and Location

Prototype School  
Richmond, VA - United States 23219

Building \_\_\_\_\_  
Owner/Company \_\_\_\_\_  
Address \_\_\_\_\_

### Facility Characteristics

**K-12 School** 148,000 Sq. Ft.  
**Total Gross Floor Area** 148,000 Sq. Ft.

Contact Name \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_

### Design Energy (kBtu)<sup>1</sup>

Electricity 3,825,944  
Natural Gas 569,800

## DESIGN ENERGY PERFORMANCE RESULTS

Energy	DESIGN	ENERGY STAR
Energy Performance Score	88	75
Site Energy Use Intensity (kBtu/sf/yr)	29.7	37.9
Total Annual Energy (kBtu)	4,397,314	5,611,910
Total Energy Cost (\$)	\$ 71,385	\$ 91,103
<b>Pollution Emissions (1000 lbs/yr)</b>		
CO <sub>2</sub>	2,451	3,092

## PROFESSIONAL VERIFICATION

### Licensed Architect/Engineer

Prepared By \_\_\_\_\_  
Firm Name \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_

### Architect of Record (if different from above)

Name \_\_\_\_\_  
Firm Name \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_

<b>Professional Stamp</b> Signature & Date
The facility was designed and specified to meet the Design Energy performance calculations shown on this Statement of Energy Design Intent.

<sup>1</sup> Target Finder uses data from "actual" performing buildings, therefore all energy use including plug, process, and all non-regulated loads, fuel sources and equipment specified in design must be included. An incomplete design energy use profile could result in a high but inaccurate rating.



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## Facility Characteristics (Detail)

**K-12  
School**

<b>Gross Floor Area</b>	<b>Number of Students</b>	<b>Number of PCs</b>	<b>Operating Hours/Week</b>	<b>Cooking Facility</b>	<b>% Air-Conditioned</b>	<b>% Heated</b>	<b>Months Ventilated</b>
148000 Sq. Ft.	950	450	60 Hours	Yes	100	100	12 Yes

## Additional Information

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