

Modeled Retrofit Package Performance for Schools

Are you considering retrofits to save energy and improve the performance of your elementary or secondary school facility? The Modeled Retrofit Package Performance for Schools report is a resource that can help determine how different retrofit packages can benefit your school.

Overview

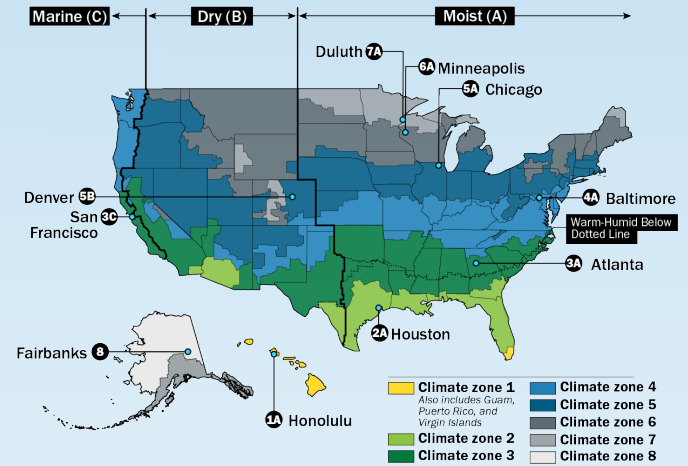
The Package Performance report covers a range of school retrofit opportunities with packages that combine various energy efficiency and electrification measures, summarizing expected package performance for urban and rural schools. Building simulations were run for 10 distinct climate zones, covering a range of U.S. climate conditions. The results include savings predictions for energy, utility cost, and greenhouse gas emissions, for each climate zone as well as estimates of project costs and paybacks.

The report begins with a brief description of how the retrofit packages were developed and analyzed, followed by a summary of the packages, including descriptions of health and safety benefits. Savings tables for all of the package options are provided for each climate zone, summarized for urban and rural elementary and secondary school buildings. Appendices supply greater detail users can draw from to conduct specific evaluations. Together, the report provides valuable information to help decision makers evaluate retrofit package opportunities for their school.

Check out the Modeled Retrofit Package Performance for Schools today.

Modeled Climate Zones and Cities

Simulations were performed for schools in ten locations representing distinct climate zones throughout the U.S., including Alaska and Hawaii.



Comparing Performances for Retrofit Packages

Energy savings for the packages vary depending on location and climate, building type (elementary vs. secondary) and assumptions about prevailing HVAC systems, and building construction and operating characteristics. To compare performance of retrofit packages at a glance, charts are included that plot annual savings percentages for electricity, gas, and utility costs.

Example of Package Performance Results: SUMMARY ANNUAL ELECTRICITY, GAS, AND COST SAVINGS (%), URBAN ELEMENTARY SCHOOLS

