

## Carrier Financing for Ultra High Efficiency Equipment through Ervin Leasing

### Fast Approval for School Districts

Many school districts need to improve learning conditions and save on energy costs immediately, while avoiding the capital outlay of purchasing new equipment.

That's why Carrier provides a streamlined equipment financing program designed especially for school districts through Ervin Leasing, an institution with more than 30 years experience in equipment financing for educational facilities<sup>1</sup>.

The Carrier equipment financing program provides school districts with competitive rates, an expedited application process and fast approval. The actual time frame of credit processing is determined by the size of the transaction. However, in many cases a simple one-page application — with an average two-day processing time — is all that's required. Flexible terms provide 12- to 60- month financing programs according to your district's needs and circumstances.

By taking advantage of equipment financing, the school district can

- Conserve capital
- Enjoy the budgetary certainty of fixed payments
- Leverage the value of today's dollar against possible inflation in coming years by locking in the equipment finance payment at today's rates.

For more information, go to: [www.carriercommercialfinance.com](http://www.carriercommercialfinance.com)

### Experts in Efficiency and Environment

Carrier's AdvanTE<sup>3</sup>C™ Solutions Center is a global group of Experts in Efficiency and Environment focused on developing sustainable building solutions. Carrier's AdvanTE<sup>3</sup>C™ Solutions Center supports customers in developing strategic, energy-efficient and custom-engineered building solutions. Carrier's experts apply today's technology in an innovative fashion to capture even greater energy efficiency and environmental benefits.

Willis Carrier invented modern air conditioning when he custom-engineered a unique solution to control temperature, humidity and indoor air quality for a Brooklyn printing plant. AdvanTE<sup>3</sup>C™ Solutions Center builds on that long legacy of customer-driven innovation and Carrier's expertise in designing energy efficient and sustainable buildings for the future.



Experts in Efficiency and Environment

1-800-CARRIER [www.carrier.com](http://www.carrier.com)



In instances where heating, ventilation and air conditioning equipment or controls are outdated or inefficient, Carrier professionals can recommend the best technologies to replace or retrofit your system for maximum savings.

Carrier strives to enable every school district to enjoy lower energy costs without compromising their learning environment. Ask your local Carrier Representative for more information on equipment leasing for educational facilities.

### A Legacy of Training

Willis H. Carrier began training members of the heating, ventilation, air conditioning and refrigeration industry in 1905. Carrier continues to promote technical expertise in the industry with the expansion of its sustainable solutions curriculum and has recently been named a U.S. Green Building Council Education Provider (USGBC EP).

To earn this status, Carrier's course materials were reviewed by a panel of USGBC peers and deemed to provide the high level of quality required for training Leadership in Energy and Environmental Design (LEED<sup>®</sup>)<sup>2</sup> professionals. The courses and workshops supporting LEED-Accredited Professional and Green Associates credential maintenance are administered through Carrier University.



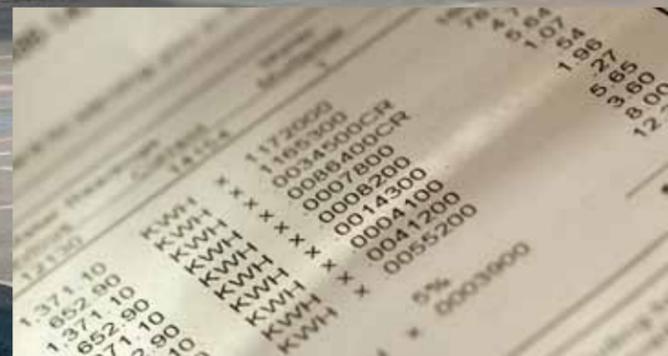
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<sup>1</sup>All financing and credit decisions are the sole responsibility of Ervin Leasing. Ervin Leasing is an individually owned financing provider that is not owned, operated or controlled by Carrier.

<sup>2</sup>LEED<sup>®</sup> is a registered trademark of U.S. Green Building Council.

## Energy Assessments for K-12 Schools Sustainable Solutions for the Education Market





# Carrier Energy Assessment Program for K-12 Schools

A Simple Process + Easy to Understand Recommendations =

- A. Better Learning Spaces For Students and Teachers
- B. Ongoing Cost Savings for School Districts
- C. Healthier Environment
- D. All Of The Above

Given unpredictable energy costs and the ever-growing imperative to shrink carbon emissions, school districts today face unprecedented challenges in their efforts to create a healthy, high-quality learning environment, while making fiscally responsible decisions for their community. Carrier helps administrators and district officials locate and remediate costly energy drains on school buildings. Carrier systems offer indoor climate solutions that promote student health and performance while protecting the school district's resources.

The first step is a Carrier Energy Assessment specifically tailored to the needs and requirements of K-12 educational facilities. Performed onsite by Carrier efficiency experts, the assessment typically provides savings that will offset the cost of the study within the first two years of implementation, with additional savings accruing over time.

## ASHRAE Level I Energy Assessment for Schools

With minimum preparation and time on the school's part, Carrier energy assessment professionals can provide an American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Level I Energy Assessment that results in recommendations to the administrators and school board on "low-hanging fruit" — easily implemented with low- to no-cost solutions that can provide significant energy savings to the school district.



To prepare for an Energy Assessment, the school should provide:

- 1-3 Years of utility bills
- List of mechanical equipment in the school
- Building characteristics
- Age of building
- Size of building
- Operating schedule
- Occupancy
- Address of school

Assessments consist of onsite data collection that utilize the latest modeling tools to create a detailed, concise and easy-to-read report. This report provides concrete recommendations for changes designed to reduce energy consumption and create a healthier learning environment for students. Additionally, it will detail available energy savings on components like lighting, heating, ventilation and air conditioning (HVAC) equipment and much more based on the geographical location and characteristics of your school.

## Technology and Expertise For A Sustainable Future

As the world leader in high technology heating, air conditioning and refrigeration solutions, Carrier offers the expertise school districts require to retrofit existing educational facilities for a sustainable future. All education professionals and school boards know the importance of healthy, safe and comfortable learning spaces for their students — but did you know that with professional energy analysis, it's possible to promote even healthier environments while reducing energy costs and creating a lower carbon footprint for your school?

Because energy efficiency is key to the long-term health of our environment, many utility companies and municipalities offer rebates to offset the costs of energy assessments and energy upgrades. Your Carrier efficiency expert can provide more information about the programs available in your area.

Contact your local Carrier Representative who will provide you with all the information you'll need to get started on your school's Energy Assessment Program!

## Consider Ultra High Efficiency Rooftop Solutions

Carrier WeatherExpert™ rooftop units provide ideal solutions for educational facility applications by offering ultra high energy efficiency, heating and cooling. WeatherExpert™ units are easy to install, service and use while seamlessly integrating with the latest digital controls, to maximize efficiency and simplify troubleshooting.



The WeatherExpert™ delivers extremely efficient operation, energy cost savings and facilitate accurate operating/budgetary projections which provide peace of mind for administrators.

### Carrier's Most Efficient Rooftop Unit

- **Staged Compression:** high efficiency, enhanced equipment life, low maintenance and comfort control
- **Direct-drive multiple speed indoor fan available:** only as much airflow as needed
- **Optional belt-drive indoor fan with VFD:** tailor fan speed to demand
- **Staged Air Volume (SAV™):** single zone VAV capability
- **Variable speed outdoor fans with ECM:** ultra-efficient motors excel at full or partial loads
- **Electro-mechanical controls/thermostat compatible:** precision climate control
- **Digital Controls:** flexibility to connect to other existing building automation system (BAS) protocols



## How Much Can a School Expect to Save?

The staged air volume (SAV™) system utilizes the full fan speed (100 percent operation) for the design load requirement, then reduces the fan speed when the load does not require the full design cooling capacity.

This graph illustrates the average percentage of annual savings that can be expected with SAV™ on a 5-ton WeatherExpert rooftop unit versus an existing constant volume rooftop unit\*

### Savings Comparison



\*Based on annual estimated electric energy savings utilizing Carrier's Hourly Analysis (HAP) Program v4.6. Based on cooling and ventilation fan runtime hours using ASHRAE 90.1 office application, default schedule, weather, and building data. Existing unit meets ASHRAE 90.1, 1989 Minimum prescriptive SEER of 9.7. All locations except Los Angeles evaluated with a single dry bulb economizer; Los Angeles evaluated with differential enthalpy economizer.