



PROJECT AT A GLANCE

LOGOS PUBLIC CHARTER SCHOOL EXPANDS LEARNING OPPORTUNITIES

NEW ENERGY-EFFICIENT BUILDING LEADS TO BRIGHTER DAYS

When the West Howard Foundation donated five acres of land to the Logos Public Charter School, their dreams of creating an expansive, customized and inviting academic environment became a reality.

As the largest non-virtual charter school in Oregon, Logos' learning model consists of in-person classes, online courses and learning from community partners. Constructing an appropriate building, while meeting the needs of their students, teachers and administrators, required a collaborative effort.

With the help of staff members, JB Steel Construction and Energy Trust of Oregon, an energy-efficient school was created that is not only ideal for the teachers and the community, but most importantly, is beneficial to the learning of the students.

Equipment installed

- Variable refrigerant flow (VRF)
- IT-room dedicated ductless mini-split cooling unit
- Sink faucet aerators
- Interior and exterior LED lighting with controls

Financial analysis

- \$17,580 estimated annual energy cost savings
- \$35,440 Energy Trust cash incentives

Estimated annual energy savings

- 226,370 kWh



A SCHOOL TO CALL THEIR OWN

Like other charter schools, Logos had rented their old building and, despite having academic success, knew that a customized, newer structure would be the best scenario.

After several years of planning, the school broke ground in the summer of 2018 and, approximately a year later, completed the build. The new Logos Public Charter School had their ribbon-cutting ceremony in August of 2019 and was then open and ready for learning.

Now, their campus boasts an efficient, visually appealing design that is the result of integral collaboration. "We set it up to make it feel like someone's living room," said Sheryl Zimmerer, executive director of Logos Charter School. "People just enjoy being in the building, and it's got a very positive vibe to it."

THE TEACHERS ROLL UP THEIR SLEEVES

Because schools need a variety of classrooms for different subjects, getting design feedback from the teachers was crucial. "Logos does a fabulous job of soliciting staff input, and the building was no exception. We got to create our wish list and submit that," said Kimberly Stein, elementary educational specialist at Logos.

The music room was built with sound-mitigating construction and was placed in a corner of the school to ensure the rest of the facility would not be acoustically compromised. The science lab includes workstations that each have the ability to house gas Bunsen burners and electricity, with large sinks on the sidewalls.

"We saw adaptations for our science room that we wouldn't have seen without teacher participation," said Christopher Van Ness, director of Logos department of science and inquiry. "It's pretty exciting moving forward. Our lab is able to adapt to wherever we really want to go with science."



EDUCATION IS THE PASSPORT TO THE FUTURE

The community, which students are actively engaged with, has taken notice. "The response has been overwhelmingly positive," said Stein. "Our families and staff were just awed when we first saw and walked into the building. It's a great space to work, teach and learn."

A highlight of the school is the Scholars Academy, which has benefited greatly from the new building. The college-preparatory program helps students graduate with postsecondary credits (and even transfer degrees) while still in high school.

"This year alone, we graduated seven students with eight associate degrees from college while in high school," said Zimmerer, who is passionate about the program. "We hear every year from our students how much that meant to them, and how much they value that."

From the young kindergarteners to the graduated seniors, the students of Logos Public Charter School have come a long way. It has only been one academic year since the new building opened, but the future of the school, and the students, is brighter than ever.



LESS ENERGY, MORE LEARNING

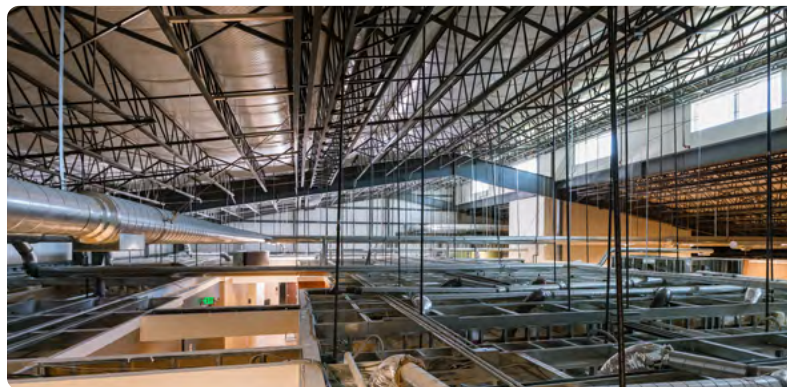
Energy-saving measures in the school include a VRF system with classroom zone controls, efficient LED lighting with occupancy sensors, a clerestory of windows for natural daylight, an IT-room dedicated ductless mini-split and low flow sink aerators throughout.

"As a team, we would evaluate and make decisions on the best

direction to go. Energy Trust was instrumental in leading that discussion," said Gary Caperna, architect, JB Steel. "Ultimately, we ended up finding the best value and completing a project that had a reduced carbon footprint and was beneficial to the environment."



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