

CREDIT HUMAN HEADQUARTERS



BEC PARTICIPANT

**Credit Human Federal
Credit Union**



LOCATION

Texas



SECTOR

Financial services



ABOUT THE BUILDING

Credit Human, a federal credit union chartered in 1935, opened its new headquarters building in 2021. The 12-story podium-style tower was developed as part of a two-building Class A office complex. The new building sets a local precedent for continued urban growth that recognizes San Antonio's architectural history.

Energy- and water-saving strategies reduce the electricity and potable water needed from local utilities by approximately 97%. Strategies include a hybrid geothermal loop cooling/heating system, a 1-megawatt photovoltaic system, a water-cooled variable refrigerant flow HVAC system, a rainwater harvesting and condensate collection system, advanced plug load controls, and a high-performing building envelope. Airtightness is 0.088 cfm/sq ft @75 PA.

Credit Human's goals included achieving LEED Platinum-certified status, designating the structure as a green building. The building incorporates high-performance glass and positioned large systems of glazed windows back from the face of the upper levels to minimize solar gain. Thermal breaks in window assemblies and envelope penetrations were carefully coordinated. Regular envelope testing and simulations were crucial to achieving a high-performing building.

QUICK STATS



BUILDING TYPE

Medium office



SQUARE FOOTAGE

216,946



KBTU/YEAR SAVED

844,357.6



BEP VALUE

8.7



BEP IMPROVEMENT

47%



BEC RECOGNITION LEVEL

Novel 40

To register or learn more, visit ec.ornl.gov or contact us at envelopecampaign@ornl.gov

