Transformative Wave has helped fitness centers across the country to dramatically lower their energy costs through rooftop-unit (RTU) heating, ventilation and air conditioning control strategies. As demonstrated through the following case studies, the CATALYST and eIQ Platform have enabled these facilities to invest those dollars back into the business.

THE CHALLENGE
Fitness centers, often locally owned and operated, tend to be 24/7 facilities with large square footage that not only host energy-consuming fitness equipment, but also independently controlled rooms for activities like exercise classes, hot yoga, basketball, boxing, racquetball, and even daycare. With the unique needs of each space, ensuring appropriate temperature control can be quite a task. Add to that the energy draw from steam rooms, saunas, heated and cooled swimming pools, energy costs can easily be a top expense.

THE SOLUTION
Employing the CATALYST enables fitness centers to change their energy profile to reduce both consumption and demand. The CATALYST combines energy saving methods with new, innovative fan controls for RTUs, reducing peak power intervals when utilized throughout all modes of operation. Add to that the eIQ Platform, a web-based building automation system, and fitness centers now have the ability to remotely control temperature setpoints, schedule temperature changes, and remotely diagnose when equipment is beginning to fail.

POWERFUL RESULTS
The savings are dramatic. Looking at three different facilities located in different climate zones across the country, there is an average of 44% in annual energy cost savings, which is a significant amount of bottom-line savings for these business owners.

STOUGHTON, MA
Cost Savings: 41% @ $10,300 Annually
Average Electric Savings: 54% Annually
Average Gas Savings: 15% Annually

RENTON, WA
Cost Savings: 39% Per Day
Average Electric Savings: 61% Per Day
Average Gas Savings: 12% Annually

EAST PALO ALTO, CA
Cost Savings: 53% Annually