

Texas Industrial Energy Efficiency Network (TIEEN)



The [HARC Clean Energy team](#) leads the [US Department of Energy's Combined Heat and Power Technical Assistance Partnership \(CHP TAP\)](#) program for Texas, as well as ten other states that make up the Southcentral and Upper-West regions. CHP is an advanced and highly- efficient approach to generating electric power and useful thermal energy from a single fuel right at the point of use. Every CHP application involves recovering otherwise-wasted thermal energy and putting it to use for heating, cooling, process thermal energy, or electricity. CHP both reduces operating costs and improves the power resilience of a facility. The CHP TAP program provides technical assistance to varied industrial and commercial sites, including early stage qualification screenings, as well as education and outreach through training sessions, webinars, and workshops.

For more information about CHP TAP – Southcentral Office, please contact Gavin Dillingham, PhD, CHP TAP Director at gdillingham@harcresearch.org, or visit [US Department of Energy's Combined Heat and Power Technical Assistance Partnership \(CHP TAP\)](#).



Texas PACE Authority is committed to assist the industrial sector in utilizing the TX-PACE program as a business-savvy approach to financing energy and water efficiency upgrades. TX-PACE answers the question, "How are we going to pay for it?" and is transforming how owners look at projects, proving that there is a clear path forward for energy efficiency, distributed generation, water use reduction, and resiliency projects for existing facilities. The program allows owners to see an immediate increase to net operating income and preserve capital and credit lines for revenue-generating items including employees, technology, products, and growth.

For more information about the Texas PACE Authority, please contact Charlene Heydinger, President, Texas PACE Authority, at charlene.heydinger@keeppace.org, or visit www.texaspaceauthority.org/industrial.



TMAC works with businesses to accelerate their profitable growth and competitiveness by developing and improving their products, processes, technologies and people.

For more information about TMAC, please contact Kurt Middelkoop at Kurt.Middelkoop@tmac.org or visit <http://tmac.org>.



SPEER, one of six regional energy efficiency organizations in the US, aims to accelerate the adoption of advanced building systems and energy efficient products and services in Texas and Oklahoma. SPEER provides educational resources to this sector to advance the understanding and adoption of energy efficiency as a low-cost energy resource, and to design, implement, coordinate, and support regional projects to promote high energy performance and clean distributed energy in the built environment.

For more information, contact Todd McAlister, SPEER Executive Director, at tmcalister@eepartnership.org or visit <https://eepartnership.org/program-areas/high-performance-buildings/>.



The Texas A&M University Industrial Assessment Center (IAC) provides a no-cost energy conservation study for industrial manufacturing plants within a radius of about 180 miles from College Station, Texas. The US DOE funded IAC program at TAMU is in its 34th year, and has completed over 800 industrial assessments. All forms of energy are evaluated, and all energy usage is scrutinized for conservation opportunities. The IAC Assessment Team is composed of a professional leader (Director or Assistant Director of the IAC) and a 4-5 member team of upper-level staff engineering students who are at the plant site for the one-day assessment site visit. During that day the team will determine the conservation opportunities and gather data in order to quantify the energy and cost savings for each individual project, along with the implementation cost. A formal, bound, professional-quality report is sent to the plant within 60 days of the site assessment visit date which has each project's savings determined, implementation cost, and simple payback. Typically, each report contains 7-12 recommendations and determined savings that average about 11% of the plant total energy spend. Follow-up phone calls to all past plant visit sites has found that about 62% of the projects and savings are implemented by the plants.

For more information, contact James Eggebrecht at jegge@tamu.edu, or visit <http://iac.tamu.edu/> You may obtain information about the national program at <https://www.energy.gov/eere/amo/industrial-assessment-centers-iacs>.



Texas Energy Efficiency Industrial Program is a partnership between the Texas State Energy Conservation Office and UH Energy at the University of Houston. The purpose of the program is to facilitate the development, demonstration and adoption of advanced technologies and the adoption of best practices that reduce industrial energy and water usage, emissions, and associated costs, resulting in improved competitive performance for Texas industries. The bottom line for Texas industry is savings in energy, water and materials, cost-effective environmental compliance, increased productivity, reduced waste, and enhanced product quality.

For more information about this program, contact Alan Rossiter at aprossit@Central.UH.EDU, or visit <https://www.uh.edu/uh-energy/educational-programs/tieep/>.