



Industrial Distributed Energy is a crosscutting activity of the Industrial Technologies Program (ITP). Partnering with private industry and states, the program targets the acceleration and deployment of distributed energy technologies and [combined heat and power \(CHP\)](#) systems and applications. CHP is a real, near-term solution for energy consumption issues and carbon constraints, in the U.S. However, CHP has not been fully deployed because of a number of market and technical issues. [Learn more about CHP Basics.](#)

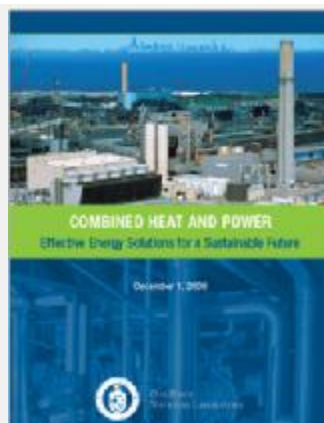
ITP activities help eliminate regulatory and institutional barriers to widespread commercialization, and increase market awareness of industrial distributed energy technologies. ITP also promotes [education](#), technical assistance, and assessments through the [Regional Application Centers \(RACs\)](#).

Distributed energy offers the potential for large industrial energy savings opportunities. Additional benefits include increased reliability and power quality and related large cooling loads. DOE has successfully conducted CHP market assessments throughout the nation, identifying near-term energy, environmental, reliability, and performance benefits. To learn more about these CHP assessments, visit the [CHP Assessments page](#).

Visit the [R&D Portfolio page](#) to learn about the current portfolio of projects.

#### Distributed Energy Resources

- To learn more about how ITP is transforming the market through education and outreach visit the [Transforming the Market sub-page](#)
- For databases of distributed energy case studies, regulations, incentives, and other topics, please visit the [databases sub-page](#)
- For Frequency Asked Questions on Distributed Energy and CHP, visit the [FAQs sub-page](#)
- Visit the [Technologies sub-page](#) to learn about the various distributed energy technologies and their benefits
- Profile of [Industrial Distributed Energy and ITP's R&D efforts](#)
- Visit the [R&D Portfolio sub-page](#) to learn about the current portfolio of projects
- Find [distributed energy related events](#) from DOE and other organizations.



CHP is one of the most promising options in the U.S. energy efficiency portfolio. By combining environmental effectiveness with economic viability and improved competitiveness, CHP is deployable in the near term and can help address current and future U.S. energy needs. Read more about the opportunities of CHP in "Combined Heat and Power: Effective Energy Solutions for a Sustainable Future" ([PDF 2.5 MB](#)). [Download Adobe Reader.](#)