

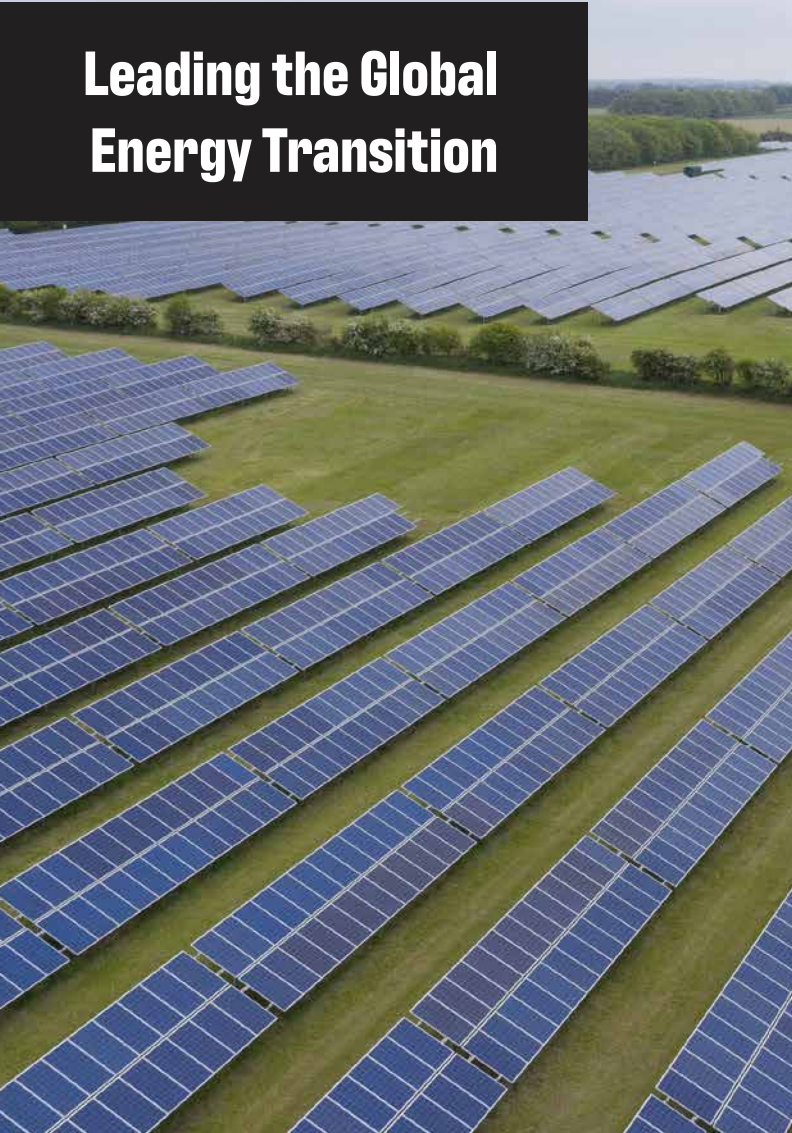
# Houston

**LEADING THE GLOBAL ENERGY TRANSITION**

---



# Leading the Global Energy Transition



Houston is the headquarters for virtually every segment of the industry, including exploration, production, transmission, marketing, supply, and technology.

As the energy industry evolves, Houston is uniquely positioned to lead the transition to a cleaner, more efficient, and more sustainable lower-carbon world with our expertise in developing and applying technologies at utility and industrial scale.

Because of this, Houston is already leading the way in the digitization of traditional oil and gas. It also has become a hub of activity for renewables and the development of carbon management technology. We are home to major corporate energy R&D centers, corporate venture arms, and a range of VC-backed energy startups.

Houston truly is the hub of the global energy industry, and there is no better place for the next generation of energy leaders to create and scale innovations that will change the world.

# Regional Overview



Houston is one of the youngest, fastest growing, and most diverse regions.

**4th**

Largest U.S. city

**7.3M**

Residents

**3.3M**

Jobs

**\$537.1B**

GDP

Houston is unabashedly pro-growth and opportunity-rich.

**24**

Fortune 500 HQs, 3rd highest concentration in the U.S.

**#3**

U.S. metro for business expansion and relocation (Site Selection, '21)

**Top 25**

Global Cities of the Future (fDi Intelligence, Financial Times, '21/'22)

Houston is a great global city.

**90+**

Foreign consulates, 3rd highest concentration in the U.S.

**#1**

Metro exporter in the U.S.

**2**

International airports with 180+ non-stop destinations

**Houston is the leading domestic and international center for every segment of the energy industry.**

**4,700+** Energy-related firms

**46.5%** Of the nation's publicly traded exploration and production firms

**18** Fortune 500 energy headquarters

---

### Large Oil Refinement Capacity

**45.4%**  
Of the total production in Texas

**15%**  
Of total U.S. capacity

---

**Houston controls the movement of the nation's petroleum and natural gas.**

**34.2%**  
Of all U.S. oil pipeline capacity

**52.9%**  
Of all U.S. natural gas pipeline capacity





# Energy Employers

## Top energy employers in the Houston region include:

[Apache](#)

[Baker Hughes](#)

[BP North America](#)

[CenterPoint Energy](#)

[Cheniere Energy](#)

[Chevron](#)

[CITGO](#)

[ConocoPhillips](#)

[Direct Energy](#)

[Dril-Quip](#)

[Enbridge](#)

[Enterprise Products](#)

[EOG Resources](#)

[Flotek Industries](#)

[ExxonMobil](#)

[Halliburton](#)

[Hess Corp.](#)

[Kinder Morgan](#)

[Marathon Oil](#)

[Nabors Industries](#)

[NOV Inc.](#)

[NRG Energy](#)

[Occidental](#)

[Phillips 66](#)

[Plains All American Pipeline](#)

[SLB](#)

[Shell](#)

[TechnipFMC](#)

[Valero Energy](#)

[Wood](#)

# A Hub for Renewables



Houston has also become a hub of activity for renewables, with over 300 companies operating in this space.

**150+**

Solar-related companies  
40+ Solar plant projects  
operating or planned

**15+**

Battery storage companies

**40+**

Wind-related companies  
3 Wind power plants

## Top employers include:

[ConnectGen](#)

[Distributed Power Partners](#)

[EDP Renewables](#)

[Engie NA](#)

[First Solar](#)

[NRG Energy](#)

[Sunnova](#)

[Texas Solar Outfitters](#)

[TMEIC](#)

[Total Energies](#)

[BP Wind Energy](#)

[Patttern Energy](#)

[Clearway Energy Group](#)

[NextEra Energy Resources](#)

[Clean Line Energy](#)

[Quanta Services](#)

# Talent and Expertise



Houston is home to a strong university system and a large supply of young talent.

**5** Nationally ranked universities and graduate schools

**394,000+** Young professionals with a bachelor's degree or higher

---

Houston is a national leader in energy talent.

**23.8%**

Of jobs in oil and gas extraction

**19.5%**

Of jobs in drilling oil and gas wells

**12.2%**

Of jobs in operations support

---



Houston is home to **60,000+** clean energy jobs.

Renewable energy

Energy efficiency

Clean energy segments



# Growing Innovation Ecosystem

Houston has been a center for innovation in energy for over a century.

## A Thriving Innovation Hub

**230,800+**

Net tech workforce

**9,100**

Tech-related firms

**1,000+**

Venture-backed startups and companies

**80+**

Accelerators, incubators, and hubs

**20+**

Corporate R&D centers focused on energy

## Home to 60+ energy tech companies focused on:

[Carbon capture utilization and storage](#)

[Clean hydrogen production](#)

[Data analytics](#)

[Artificial intelligence](#)

[Machine learning](#)

[Robotics](#)

## Strong Investments in Energy-Related Activities:

**Nearly \$1B**

in clean energy venture funding

**100+**

Clean tech and climate tech deals

**43%**

Of private equity firms in Houston focus on energy

## Strong support of incubators and accelerators focused on energy technology

[Greentown Labs](#)

[Ion Smart Cities Accelerator](#)

[Mass Challenge](#)

[Capital Factory](#)

[Plug and Play Technology Center](#)

[Halliburton Labs](#)

[Shell Technology Center](#)

[Chevron Ventures](#)

[Rice Alliance Clean Tech Accelerator](#)



# Regional Energy Initiatives



## HOUSTON ENERGY TRANSITION INITIATIVE

Guided by the Greater Houston Partnership's Energy Transition Strategy, the Houston Energy Transition Initiative aims to drive sustainable and equitable economic growth in the Houston region through a portfolio of technology, policy, and market initiatives that scale and export solutions for realizing an energy-abundant, low-carbon energy world. The strategy builds upon Houston's expertise and infrastructure in the energy and chemical sectors to accelerate low-carbon solutions that position Houston as the leading hub of energy and clean tech innovation.

---



## UPSKILL HOUSTON

Employer-led workforce development initiative built upon strong education partnerships to ensure a qualified and skilled talent base for energy companies, suppliers, and related businesses in the future.

---

## BACK HOUSTON TRACK

JOB RECOVERY INITIATIVE

Employer-focused job recovery initiative connecting workers displaced by the pandemic with good jobs in energy and related industries, while also supporting them with skills training that creates opportunities and fosters long-term career growth.

## Climate Action Plan

The City of Houston's science-based, community-driven plan is designed to reduce greenhouse gas emissions, reach carbon neutrality by 2050, and lead the global energy transition. The CAP is rapidly creating new opportunities for cleantech companies and startups in areas such as energy efficiency, electric vehicles, solar development, waste and recycling management, and low-carbon solutions.

---

## BCarbon

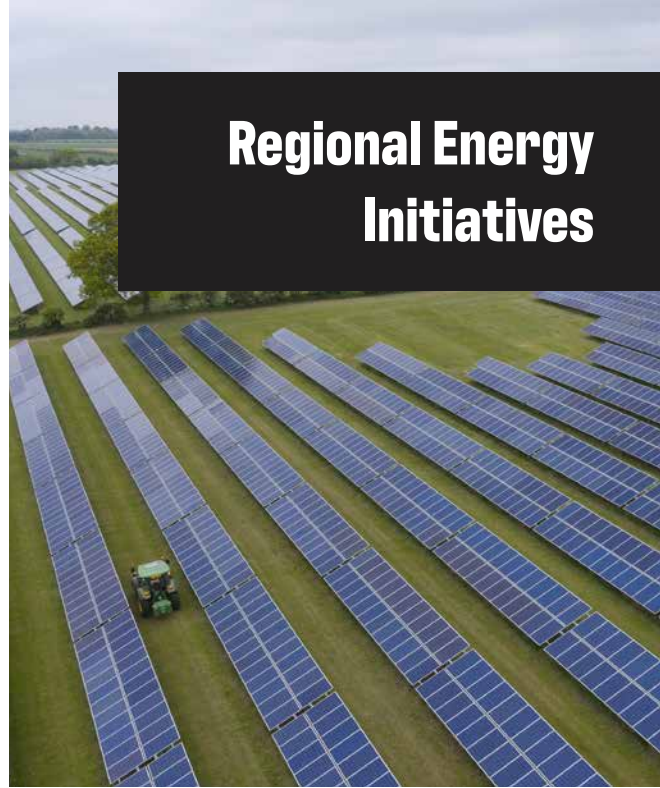
Soil Carbon Working Group (SCWG) was launched in 2019 by Rice University's Baker Institute to develop a plan to expand soil carbon sequestration efforts in the state of Texas. In 2020, this effort catalyzed the creation of BCarbon as a separate non-profit organization made up of landowners, government officials, environmental professionals, members of industry, philanthropists, and academics. The group has developed an innovative measurement-based standard for removing carbon dioxide from the atmosphere and storing it in the soil as organic carbon.

---

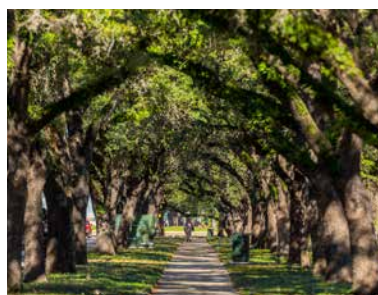
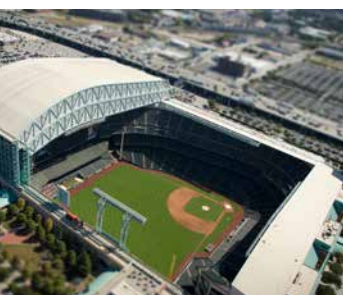
## University of Houston Energy Transition Institute

In 2022, the University of Houston created the Energy Transition Institute with Shell as its founding partner. The institute is focused on three core areas: hydrogen, carbon management, and circular plastics — all of which are critical to the global energy sector's shift toward decarbonization. With UH being one of the most ethnically diverse research universities in the country, the institute also aims to benefit vulnerable communities impacted by climate change and environmental impact through energy development.

# Regional Energy Initiatives



# Great Quality of Life



The Houston region offers a low cost of living while maintaining an incredibly high quality of life with the amenities you expect to find in a world-class city.

## #2 Lowest cost of living

among the 20 most populous U.S. metros

Housing costs **34.1%** below the nation's 20 most populous metros, and **7.9%** below the nation's average

**Houston is home to an acclaimed and extensive cultural scene.**

Renowned museums and cultural centers

Major league sporting teams

Resident performing arts organizations

**Houston is one of greenest cities in the U.S.**

Nearly **44,480** acres of parkland

**382** Developed city parks

**345** Miles of interconnected bikeways

Home to **two** of the nation's **10** largest urban public parks

**Houston is home to world-renowned health care.**

World's largest medical complex —  
**Texas Medical Center**

Some of the best hospitals and universities in the nation  
(U.S. News and World Report)

For more information about Houston's energy industry, please contact

**Craig Rhodes**

Vice President,  
Regional Economic Development  
[crhodes@houston.org](mailto:crhodes@houston.org) | (713) 844-3600

[Houston.org/Energy](https://www.houston.org/energy)

GREATER HOUSTON **PARTNERSHIP**.