



# City of Houston

## Economic Development Subcommittee on Education

October 10, 2018

# Economic Alliance Overview

## Our Mission

A non-profit organization, created in 1985 whose mission is to ***Grow and market a vibrant regional economy.***

## Impact Initiatives

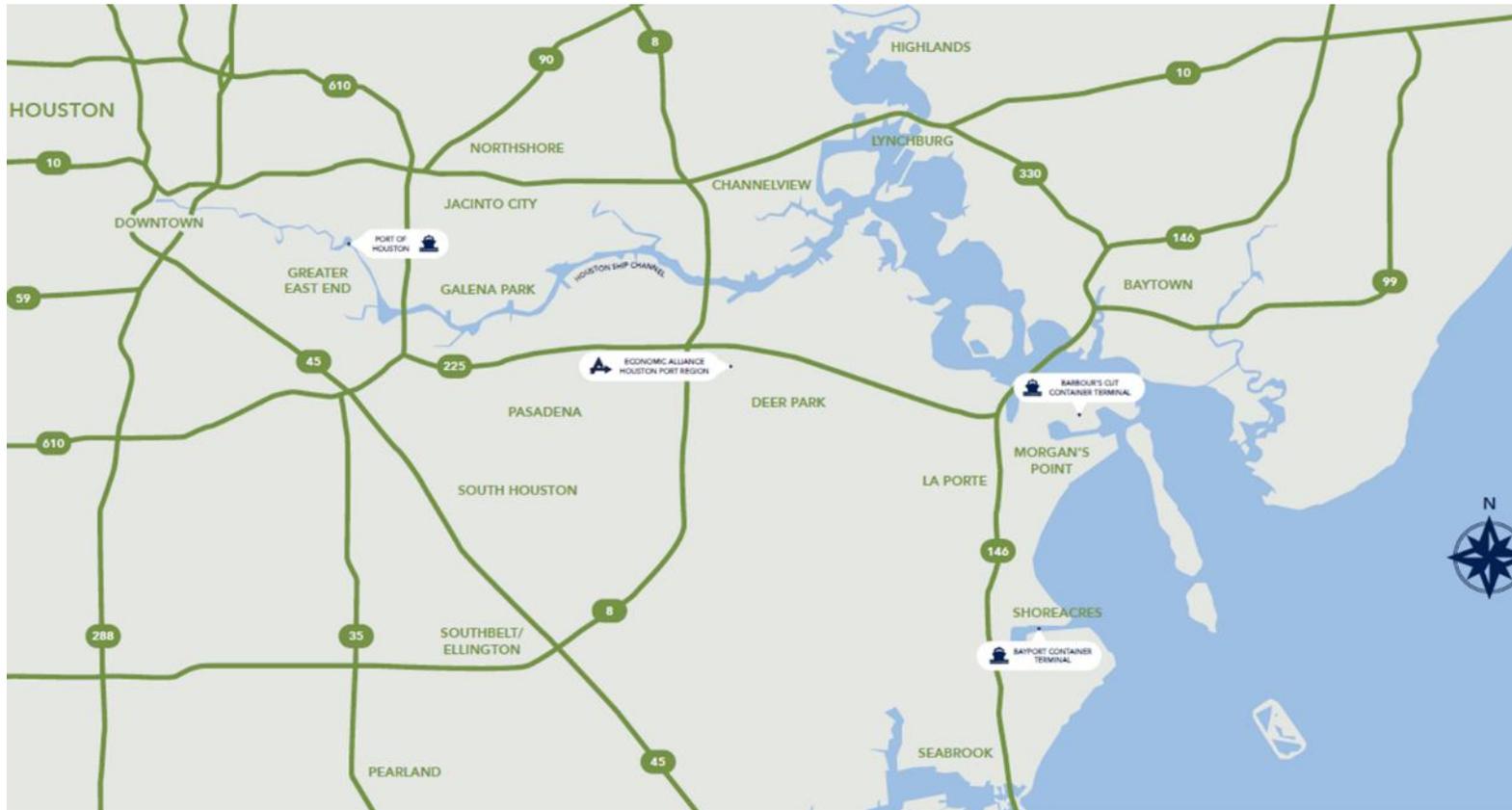
- Economic Development
- Workforce Development
- Transportation
- Public Policy
- Quality of Life



# Who We Represent



Most sought-after region in the world for petrochemical, manufacturing, maritime and logistics operations



**25 miles** of the 52 mile  
**Houston Ship  
Channel:**

1. World's largest petrochemical complex
2. Nation's busiest port in terms of foreign tonnage

**12** Cities, Harris County,  
Port Houston, plus

**250+** Private Sector  
**Members**

# Houston: the Busiest Port



## 2016 Deep Draft Vessel Arrivals

Houston Annual Barge Movements:  
220,000

Galveston: 840  
Texas City: 1,171  
Houston: 8,284

4,297  
NY/NJ

4,601  
LA/LB

10,295  
HSC

Photo Credit: Capt. Lou Vest  
Data Source: GHPB, Marine Exchange of Southern California, Maritime Assoc. of Port of New York and New Jersey



# Economic Development

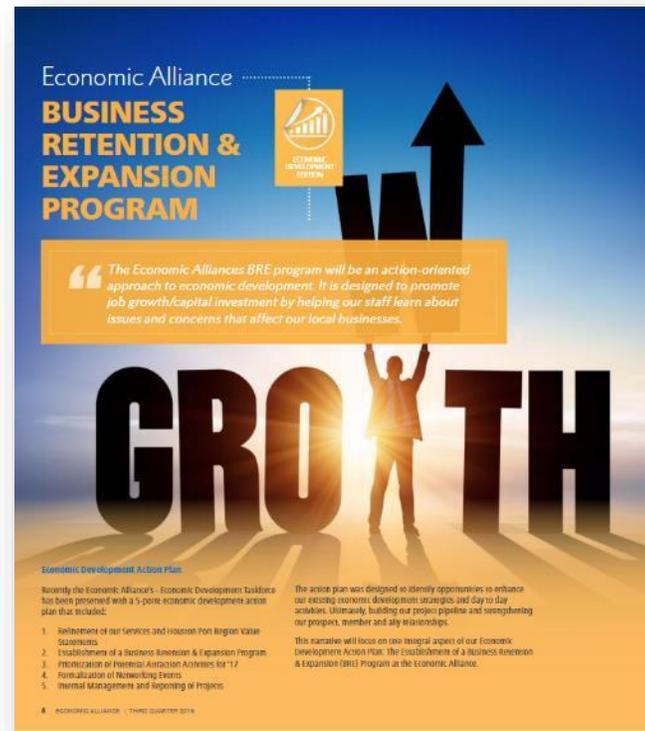
# Economic Development



## Professional Economic Development Services

Provide a professional relationship to navigate the multiple facets of the site selection/expansion process, including the facilitation to our economic development support network.

- Conduct **real estate searches**
- Participation and coordination of **site-selection tours**
- Facilitate **access to data**
- Provide guidance in evaluating State and Local **incentive & workforce programs**
- **Advocacy** for projects & **mobilization** of key board members



# Economic Development

## Impact on the Houston Port Region – ED Projects '17



lyondellbasell

FLINT HILLS  
resources

**CAPITAL INVESTMENT = \$2.4 Billion**

JOBS CREATED

300

JOBS RETAINED

100

INDIRECT JOBS

673

### ECONOMIC IMPACT ON THE HOUSTON PORT REGION

TOTAL JOBS

1073

ANNUAL IMPACT CONSTRUCTION JOBS

\$ 551.7 M

1100

ONE TIME  
IMPACT

\$ 639.94 M

# Economic Development

## Impact on the Houston Port Region – ED Projects '18



KANeka



MFG Chemical, LLC



CAPITAL INVESTMENT = \$1.195 B

JOBS CREATED

90

JOBS RETAINED

75

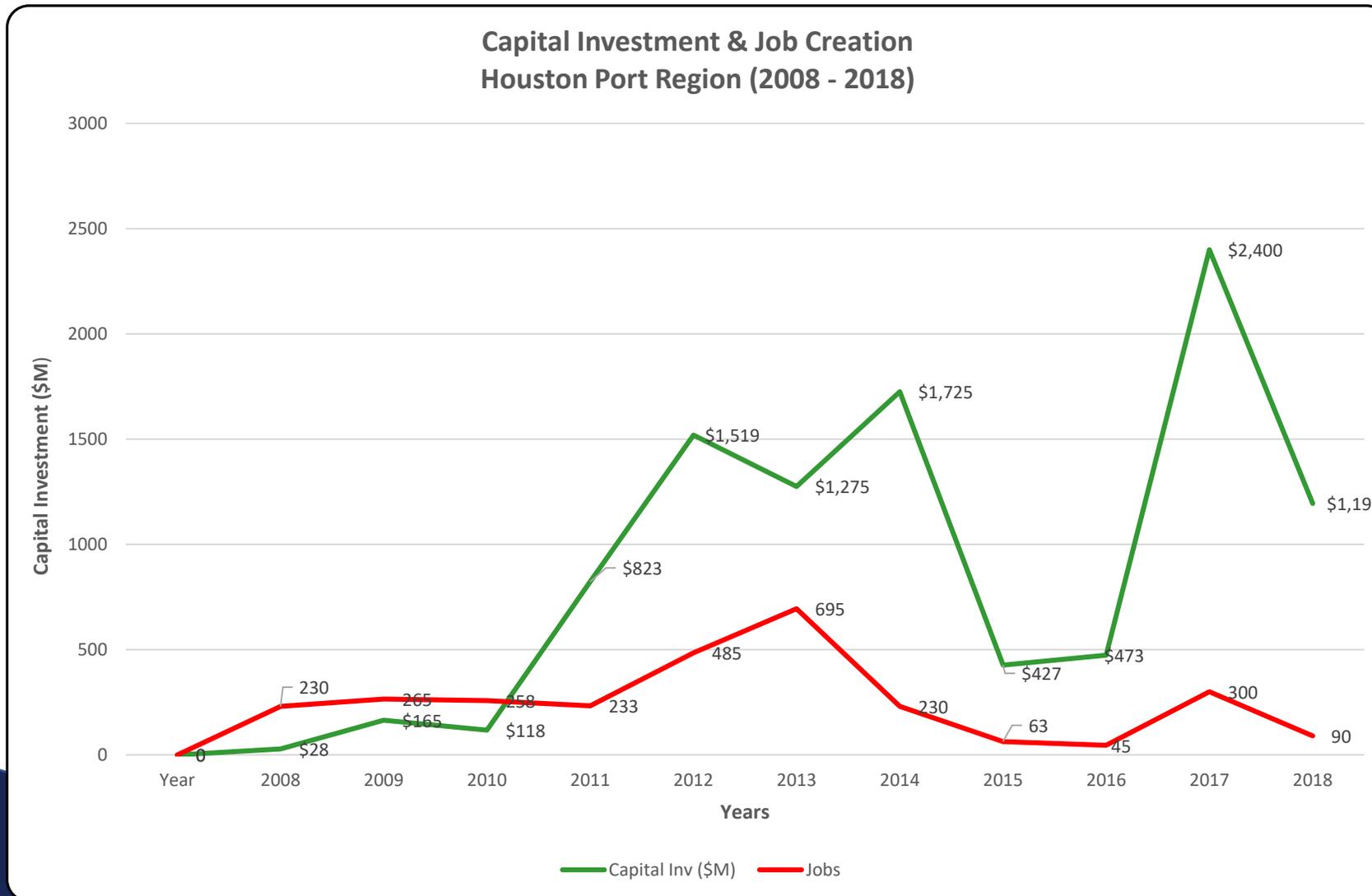
INDIRECT JOBS

680

# Economic Development



## Impact on the Houston Port Region – Historical



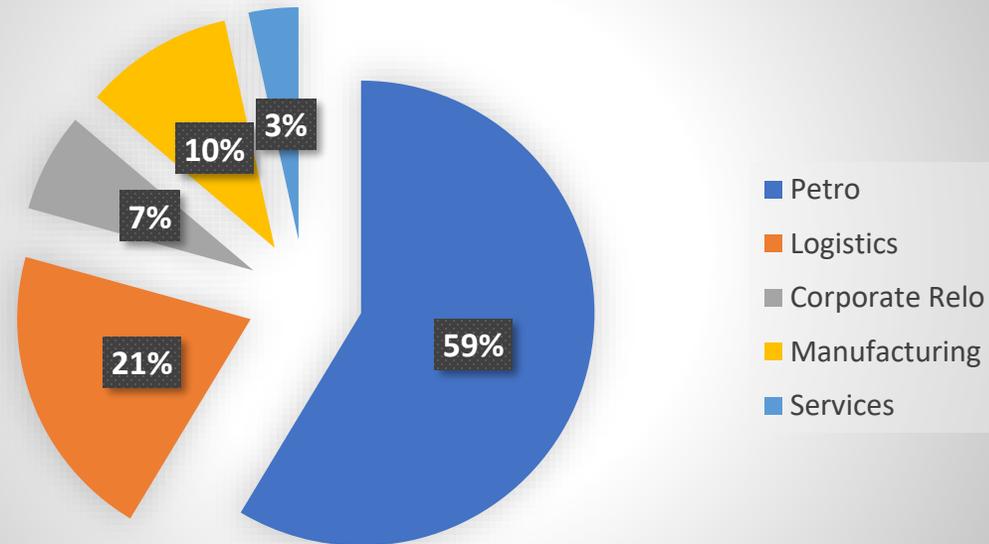
- 61 "Wins" 2008 - 18
- \$10.1B Capital Inv
  - 2,894 Jobs Created

# Economic Development

## Current Project Pipeline Breakdown

Total Projects	Potential Direct Job Creation	Potential Capital Investment
30	1,784	\$5.2B

Sector Breakdown by Percentage



# Economic Development

## Why focus on the Petrochemical Industry?

For every one job created from the business of chemistry, **6.8 jobs** are created in other sectors.

In addition, the average annual salary of a U.S. chemical industry employee is \$94,000, which is 44 percent higher than the average U.S. manufacturing pay.





# Workforce Development

# Workforce Development



## Inspiring & Preparing the Next Generation Workforce

Filling the pipeline of potential workers in the petrochemical, maritime and logistics industries.



Leveraging **partnerships** with the EHCMA and 9 community colleges to **recruit and train a qualified workforce**



Providing **career paths and job opportunities** to address **attrition, skill enhancement and demand**



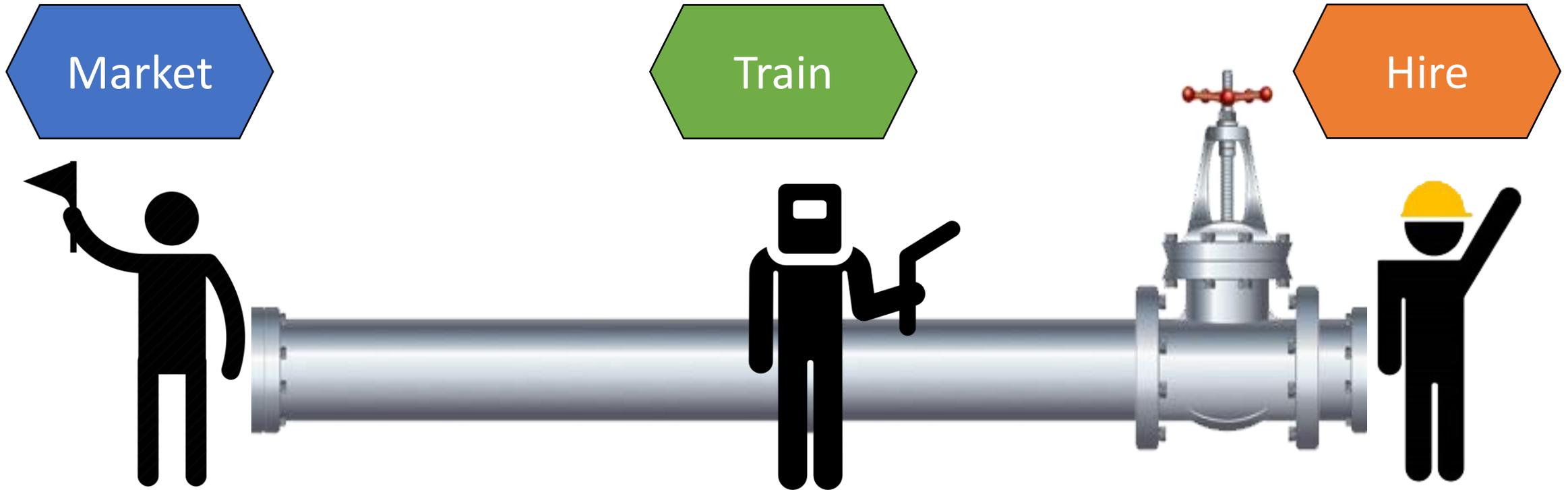
**Targeting high-demand, high-paying careers supporting the petrochem and maritime industries**



# Talent Pipeline



Our mission is to fill the pipeline of potential workers in the petrochemical, manufacturing, maritime and logistics industries. While leveraging partnerships with the East Harris County Manufacturers Association and 9 community colleges to recruit a qualified workforce.



# Market





# Houston Industrial Career Mapping Project

# Deliverables for the City of Houston Contract:

1. Inform and educate on the educational and on job paths for entry level positions with industrial related companies and required training and resources available for a career path in high demand occupations in the Houston Port Region
2. Develop a craft training matrix or flow diagram of entry level positions to complement the City of Houston's proposed hiring target hiring program to include entry level title and hiring requirements, craft progressions/career pathing scenarios, and related training and certification at each level.
3. Develop a list of companies that recruit entry level industry positions defined in term #2 of the above within the Economic Alliance service area (ship channel) as target companies.
4. Facilitate meetings and discussions with target companies and Office of Economic Development on workforce initiatives and programs to encourage hiring from target, high opportunity communities (East End and other communities identified as part of the Complete Communities Program).

# Deliverables for the City of Houston Contract:

1. Inform and educate on the educational and on job paths for entry level positions with industrial related companies and required training and resources available for a career path in high demand occupations in the Houston Port Region

Leveraging **partnerships** with the EHCMA, Industrial Contractors and 9 community colleges to **recruit and train a qualified workforce**

Providing **career paths and job opportunities** to our community to address **attrition, skill enhancement and demand**

**Speakers Bureau** averaging more than one outreach presentation per week to targeted groups on high school students and under-employed

# 2016 – 2018 Events & Contacts Metrix

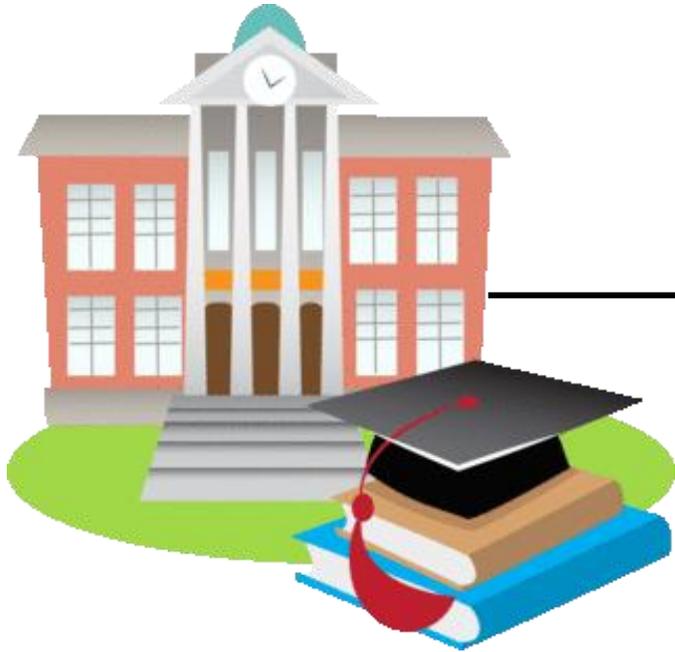


**169 presentations**  
**22,552 contacts**



# Deliverables for the City of Houston Contract:

2. Develop a craft training matrix or flow diagram of entry level positions to complement the City of Houston's proposed hiring target hiring program to include entry level title and hiring requirements, craft progressions/career pathing scenarios, and related training and certification at each level.



**High School Graduation**

**Pre-Employment  
Conditions Met**

**PAID  
Union Apprenticeship**

**PAID  
Industrial Construction Contractors**

**Pre-Employment  
Conditions Met**



Legal Work  
Status



Criminal  
Background  
Check



Drug  
Screen



TWIC Card  
(If required)

[Back](#)



# NCCER High School Training - HISD

## Accredited Campuses



Lamar High School



Jones Futures Academy



Stephen F. Austin High School



Furr High School



Scarborough High School



Milby High School



Yates High School



Madison High School



Sterling High School



Wisdom High School



Sam Houston Math, Science, and Technology Center

## Accreditation in Progress



Barbara Jordan High School\*



Washington High School\*

[Next](#)

# Community College Education

## Associate's of Applied Science + Certifications

### Area Community Colleges



Alvin  
Community  
College



Brazosport  
College



College of  
the  
Mainland



Galveston  
County  
College



Wharton  
County  
Junior  
College



Houston  
Community  
College



Lee College



Lone Star  
College

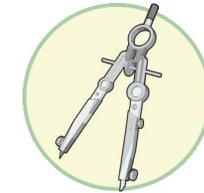


San  
Jacinto  
College

### Programs Offered



Process  
Technology



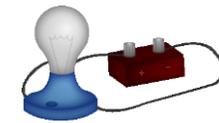
Instrumentation  
Technology



Analyzer  
Technology



Welding



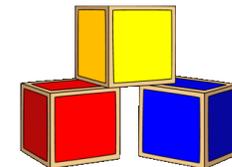
Electrical  
Technology



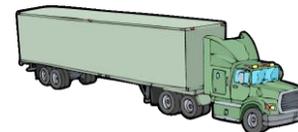
Pipefitting



Maritime  
Studies



Logistics



Truck Driving

[Back](#)

**PAID  
Industrial Construction  
Contractors**

**Helper/Laborer in the following Craft Training priorities**



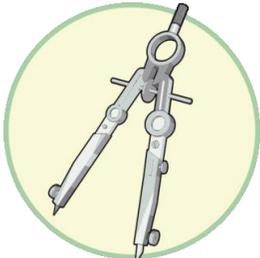
Safety  
Apprentice



Crane &  
Rigging



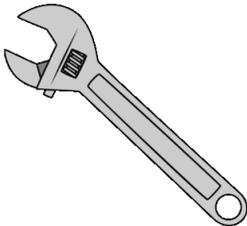
Carpentry



Instrumentation



Pipefitting

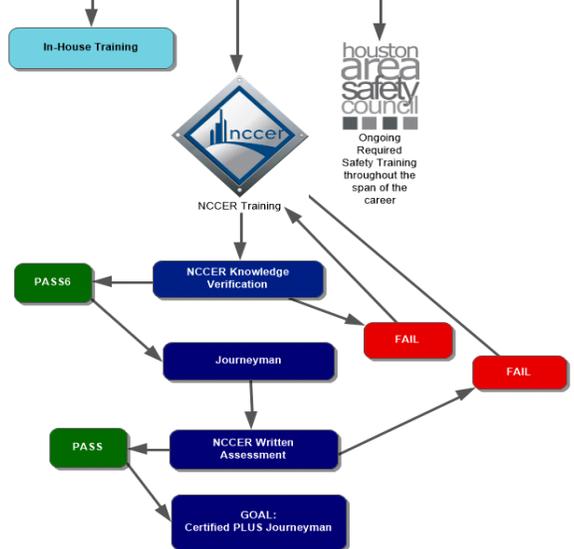
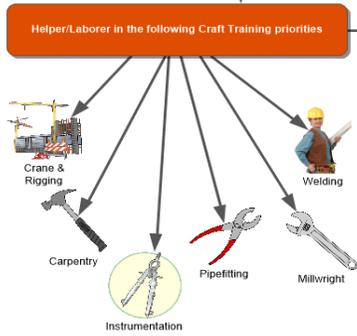
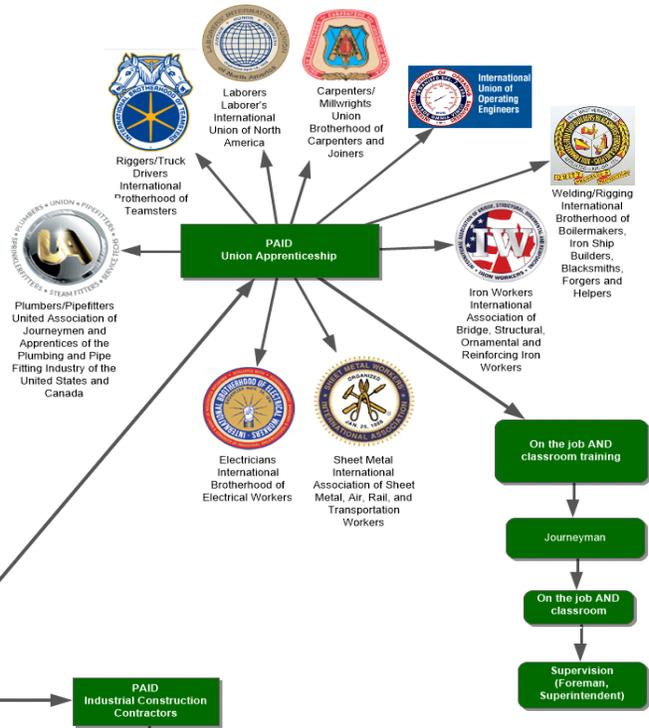
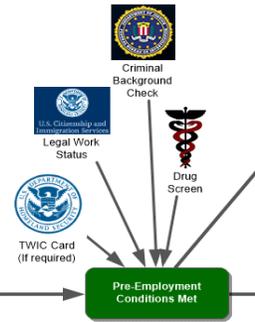
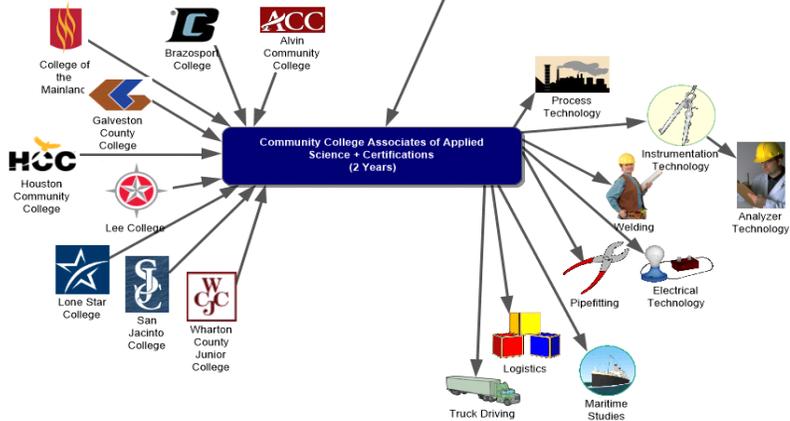


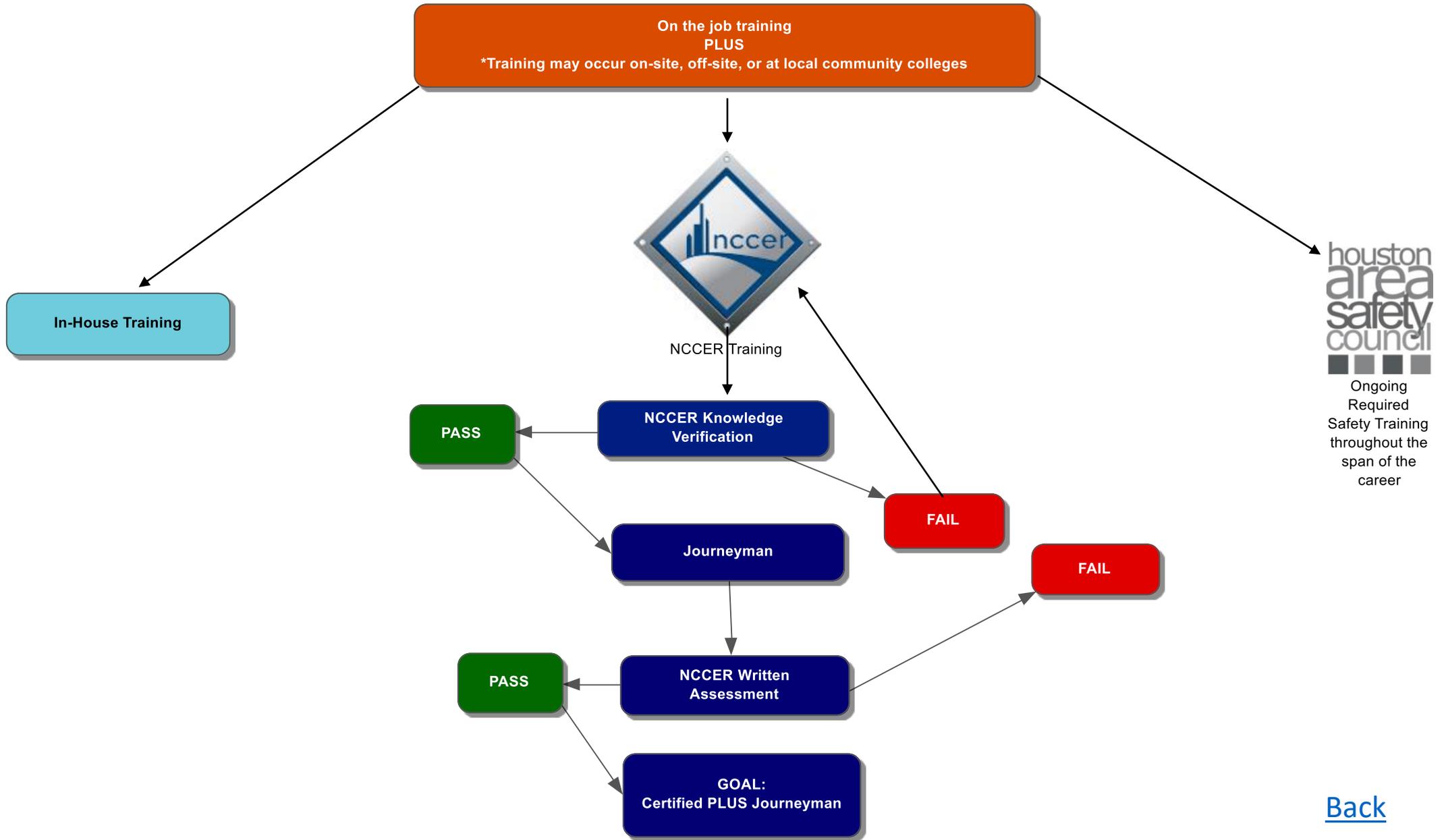
Millwright



Welding

[Next](#)





# PAID Union Apprenticeship



Plumbers/Pipefitters  
United Association of  
Journeymen and  
Apprentices of the  
Plumbing and Pipe  
Fitting Industry of the  
United States and  
Canada



Riggers/Truck  
Drivers  
International  
Brotherhood of  
Teamsters



Laborers  
Laborer's  
International  
Union of North  
America



Carpenters/  
Millwrights  
Union  
Brotherhood of  
Carpenters and  
Joiners



Welding/Rigging  
International  
Brotherhood of  
Boilermakers,  
Iron Ship  
Builders,  
Blacksmiths,  
Forgers and  
Helpers



International  
Union of  
Operating  
Engineers



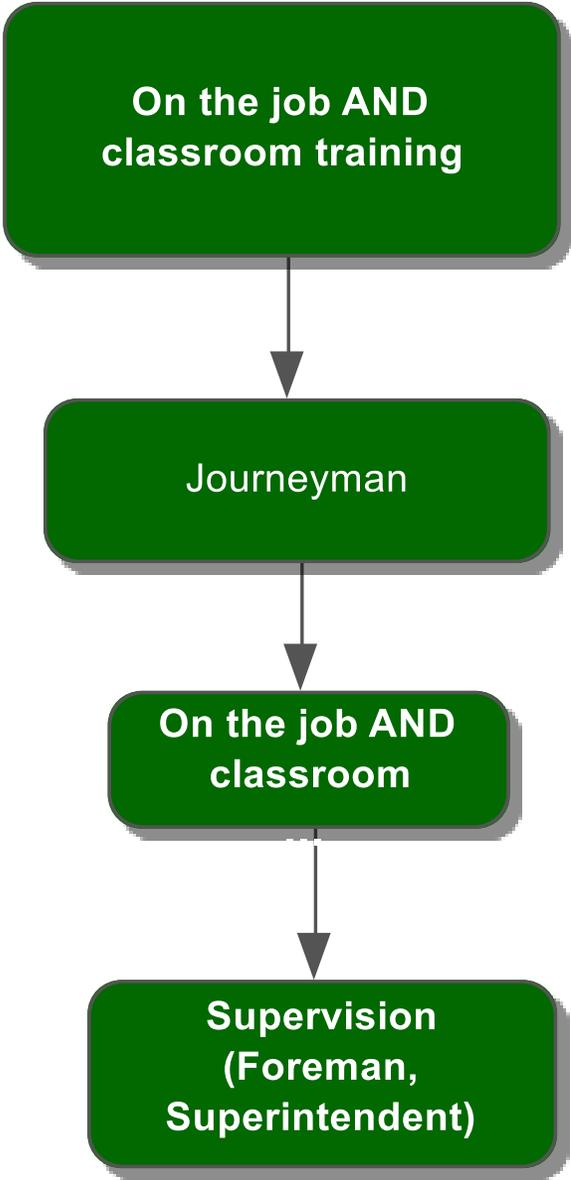
Iron Workers  
International  
Association of  
Bridge, Structural,  
Ornamental and  
Reinforcing Iron  
Workers



Sheet Metal  
International  
Association of Sheet  
Metal, Air, Rail, and  
Transportation  
Workers



Electricians  
International  
Brotherhood of  
Electrical Workers



[Back](#)

# Deliverables for the City of Houston Contract:

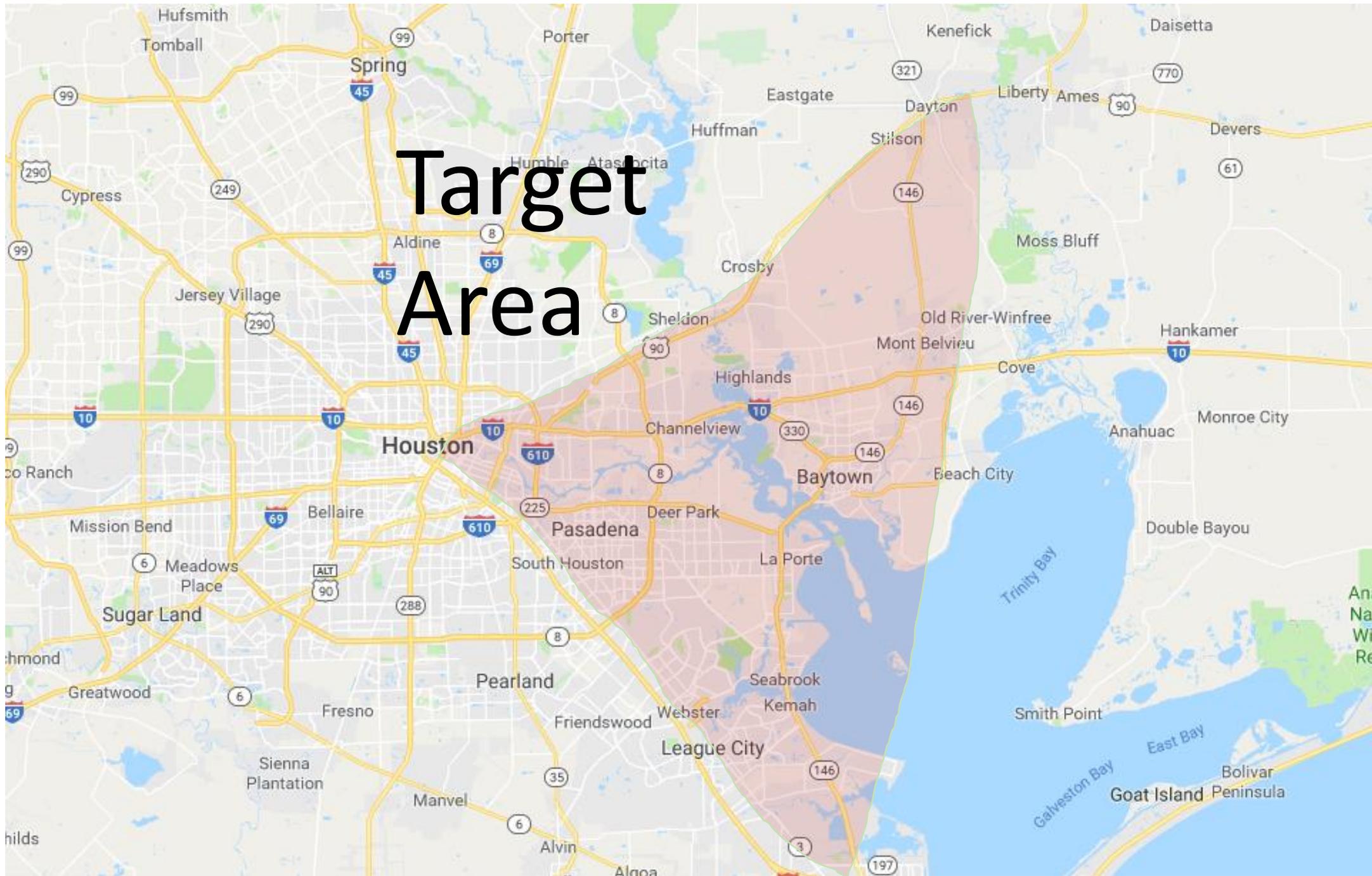
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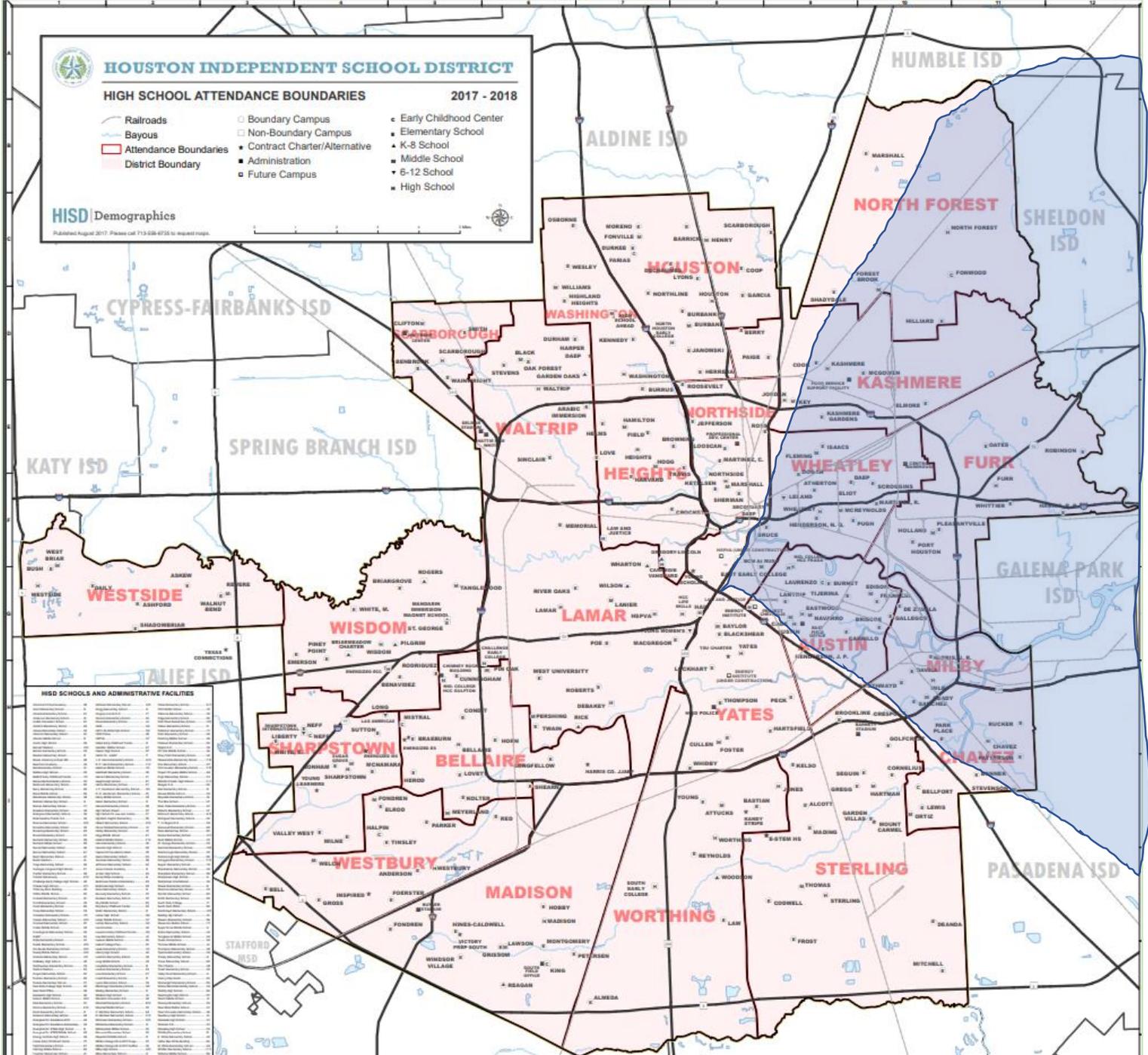
[Contractors List](#)

# Deliverables for the City of Houston Contract:

4. Facilitate meetings and discussions with target companies and Office of Economic Development on workforce initiatives and programs to encourage hiring from target, high opportunity communities (East End and other communities identified as part of the Complete Communities Program).

# Target Area





# Southeast High Schools

- Austin
- Chavez\*
- Furr
- Milby
- Wheatley\*

\*Not currently NCCER certified



# Thank You

[www.allianceportregion.com](http://www.allianceportregion.com)