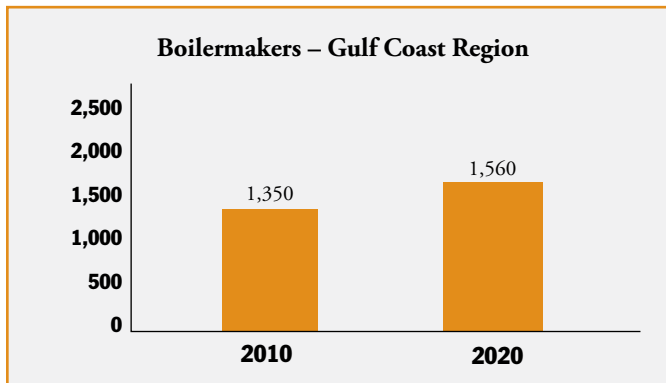


FOCUS ON BOILERMAKERS

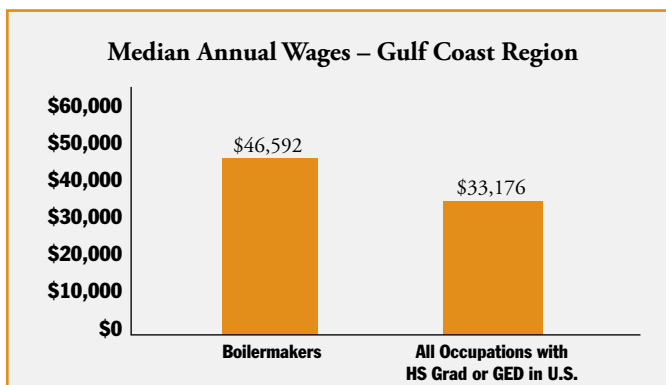
Houston Gulf Coast Region*

BIG PROJECTS REAP BIG REWARDS FOR BOILERMAKERS

Boilermakers install and maintain boilers, pressure vessels, blast furnaces, storage and process tanks, stacks, and other containers that hold liquids and gases under high pressure. A boilermaker's job is physically demanding working with heavy machinery and equipment. The job offers big challenges that change from project to project. To stay employed, boilermakers usually have to travel from site to site working at power generation plants, construction sites, manufacturing plants, and ship yards to name a few. Boilermakers are in short supply in the Gulf Coast region. The shortage of boilermakers translates into great career opportunities to individuals entering into the workforce.



There are expected to be more than 1,500 boilermakers working in the Gulf Coast region by 2020.



Boilermakers earn much higher wages than most occupations not requiring postsecondary education.

*Includes the following counties: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Liberty, Matagorda, Montgomery, Walker, Waller, and Wharton.

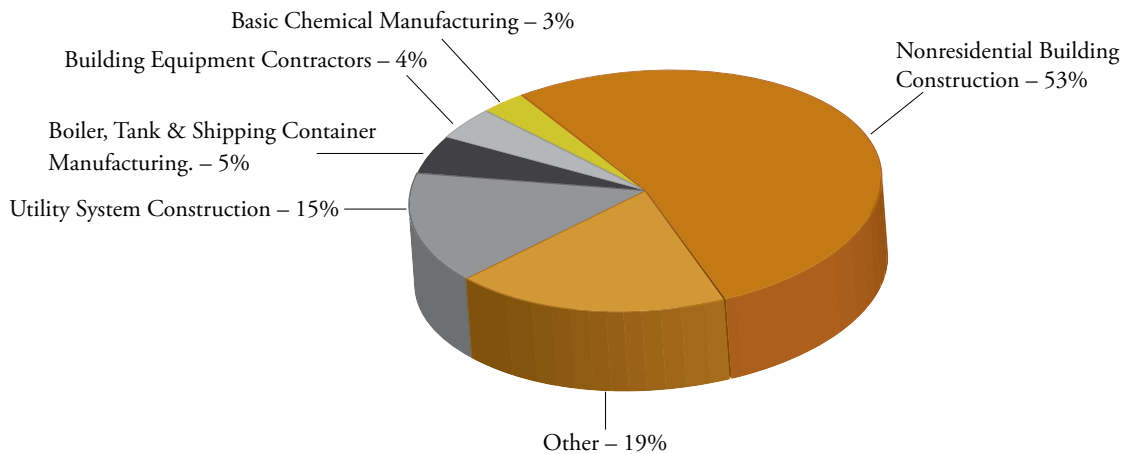
Brought to you by the Education Committee of The Gulf Coast Workforce Board. For more information, visit us on the Web at wrksolutions.com. Latest data available as of June 2013.

FOCUS ON BOILERMAKERS

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MOST BOILERMAKERS WORK FOR CONSTRUCTION COMPANIES AT A WIDE VARIETY OF JOB SITES SUCH AS BUILDING EQUIPMENT, CONSTRUCTION, CHEMICAL MANUFACTURERS, AND SHIPYARDS.

Boilermakers – Gulf Coast Region 2020



CONSIDER THE FOLLOWING BEFORE MAKING THE DECISION TO BECOME A BOILERMAKER.

- The work is strenuous and physically demanding
- Work may be at extreme heights handling heavy and potentially dangerous equipment
- To stay employed travel will likely be required
- Sometimes conditions can be extreme (hot and dirty)
- Overtime required but you are rewarded with great pay

PATHWAY TO BECOMING A BOILERMAKER

Most companies require individuals to have a high school diploma or equivalent. Boilermakers are required to spend several years of long-term on-the-job training as an apprentice or helper coupled with classroom work. Apprenticeship programs and helper positions are generally filled by individuals with welding skills. Work is physically demanding requiring work in hazardous conditions and often requires working at extreme heights. In the Gulf Coast region, there are three options for obtaining training for this occupation:

- Apprenticeship programs Union or Merit (Non-union) – combined on-the-job training with related classroom instruction.
- Training programs at community colleges
- On-the-job training



FOCUS ON BOILERMAKERS

PREPARING FOR A CAREER AS A BOILERMAKER*

9th Grade	Suggested Coursework		
	English I	World Geography	Career-Related Electives: Technology Systems (Modular Lab-Based)
	Algebra I	Languages other than English I	
	Biology	Health/PE or Equivalent	
10th Grade	Suggested Coursework		
	English II	World History	Career-Related Electives: Construction Systems
	Geometry	Languages other than English II	
	Principles of Technology I	Technology Applications	
11th Grade	Suggested Coursework		
	English III	United States History	Career-Related Electives: Energy, Power, and Transportation Systems or Power Technology or Manufacturing Systems
	Mathematics Models w/ Applications	Communication Applications	
	Physics	PE or Equivalent	
12th Grade	Suggested Coursework		
	English IV	Government/Economics	Career-Related Electives: Research Design and Development or Manufacturing Technology
	Algebra II	Fine Arts	
	Engineering		

*Source: AchieveTexas.org

ADDITIONAL INFORMATION

- Boilermaker National Joint Apprenticeship Program, <http://www.bnap.com/>
- Southeaster Area Joint Apprenticeship Committee, <http://www.sajac-boilermakers.org/>

FOCUS ON BOILERMAKERS

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GULF COAST REGION

BOILERMAKER AND RELATED PROGRAMS (INCLUDING WELDING)

COMMUNITY COLLEGES THAT OFFER RELATED TRAINING:

- Alvin Community College
- Brazosport College
- College of the Mainland
- Galveston College
- Houston Community College System
- Lee College
- Lone Star College System
- San Jacinto Community College
- Wharton County Junior College



MAJOR EMPLOYERS IN THE GULF COAST REGION

- Ashland Services
- Austin Industrial
- Bay Limited
- Holman Boiler Works
- Jacobs
- JE Merit
- JV Industrial
- Mundy Co
- Shaw Group
- Team Industrial Services
- Turner Industries
- Zachry Construction

Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities.

Relay Texas Numbers:

1-800-735-2989(TDD) • 1-800-735-2988(VOICE) • 711

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