

FOCUS ON ELECTRICIANS

Houston Gulf Coast Region*

GET WIRED FOR SUCCESS AS AN ELECTRICIAN

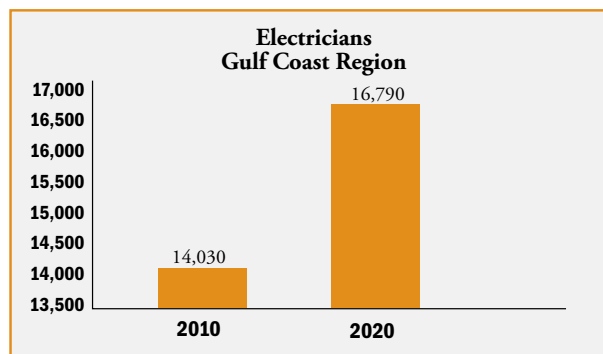
The world would quite simply be in the dark without electricians! Electricians are in short supply in the Gulf Coast Region* as well as at the state and national level. Demand continues to grow in response to an ever-increasing population and as a growing number of baby boomers retire. The shortage of electricians translates into outstanding career opportunities to individuals entering into the workforce.



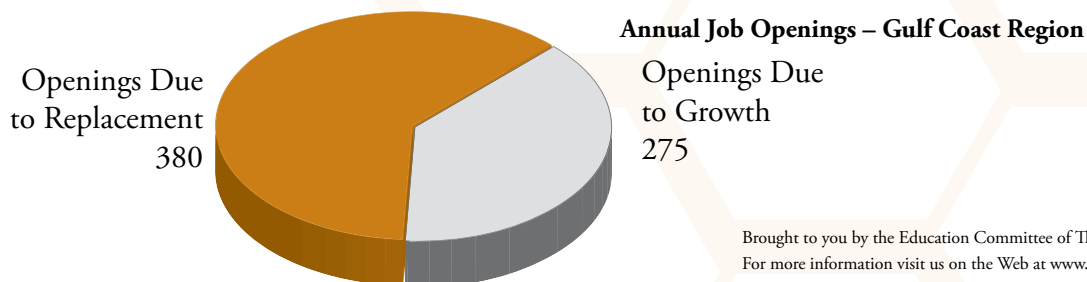
Factors contributing to the shortage:

- a growing population
- a workforce that is approaching retirement age
- the underrated value of vocational education

THE DEMAND FOR ELECTRICIANS IS GROWING STEADILY THROUGHOUT THE GULF COAST REGION, WITH MORE THAN 16,000 NEW MEN AND WOMEN WORKING IN THE TRADE BY 2020.



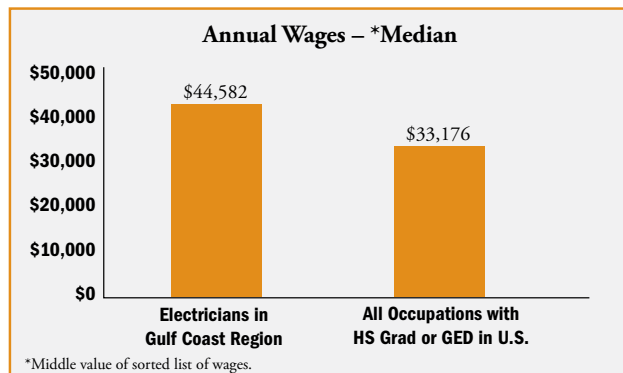
MORE THAN 650 ELECTRICIANS ARE NEEDED IN THE REGION EACH YEAR AS A RESULT OF THE DEMAND DUE TO GROWTH AS WELL AS REPLACEMENT.



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

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

ELECTRICIANS HAVE ONE OF THE BEST PAYING CAREERS NOT REQUIRING A COLLEGE DEGREE. IN 2011, THEY EARNED AN AVERAGE OF \$22.35 PER HOUR IN THE GULF COAST REGION. OK, SO HOW MUCH BETTER IS THE PAY? ELECTRICIANS THIRTY-FIVE PERCENT MORE THAN PERSONS WITH SIMILAR EDUCATION LEVELS IN 2009.



SO WHAT KIND OF ELECTRICAL CAREERS ARE THERE?

- Residential construction, maintenance, and repair
- Commercial construction, maintenance, and repair
- Industrial construction, maintenance, and repair
- Line installers and repairers

PATHWAY TO BECOMING AN ELECTRICIAN

Remember, electricians work both indoors and out; at construction sites, in homes, and in businesses or factories. Work may be strenuous at times. Some electricians may have to travel to jobsites. Most electricians learn the trade through apprenticeship programs. In the Gulf Coast Region, there are three options for obtaining training as an electrician:

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



LICENSE REQUIRED!

Persons who perform electrical work must be licensed. Types of licenses vary from an apprentice to a master electrician. In addition, licensed electricians in the State of Texas are required to complete four hours of continuing education annually.

PREPARING FOR AN ELECTRICIAN CAREER*

9th Grade		Suggested Coursework	
	English I	World Geography	Career-Related Electives: Technology Systems (Modular Lab Based) or Electrical Trades or Industrial Electronics or Machine Shop
	Algebra I	Languages other than English I	
	Biology	Health/PE or Equivalent	
10th Grade		Suggested Coursework	
	English II	World History	Career-Related Electives: Engineering Graphics or Engineering Principles or Electronics Technology or 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 or Introduction to Robotics
	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 Problems and Solutions in Technology or Manufacturing Technology
	Algebra II	Fine Arts	
	Engineering		

*Source: AchieveTexas.org

GULF COAST REGION ELECTRICIAN PROGRAMS

COMMUNITY COLLEGES THAT MAY OFFER TRAINING DEPENDING ON DEMAND:

- Brazosport College
- College of the Mainland
- Houston Community College
- Lee College
- Lone Star College
- San Jacinto College

UNIVERSITIES

- Houston Baptist University
- Prairie View A&M University
- Texas Woman's University



APPRENTICESHIP TRAINING

- Houston Joint Apprenticeship and Training Committee (JATC)
<http://www.njatc.org>
- National Electrical Contractors Association (NECA) <http://www.necanet.org>
- International Brotherhood of Electrical Workers (IBEW) <http://www.ibew.org>
- Associated Builders and Contractors <http://abchouston.org>
- Independent Electrical Contractors <http://ieci.org>

MAJOR EMPLOYERS IN THE GULF COAST REGION

- Integrated Electrical Service
- Quanta Services, Inc.
- North Houston Pole Line Corp.
- Correct Electric, Inc.
- Capp Electric of Houston
- Mid-West Electric, Co.
- Pollock Summitt Electric, Inc.
- Joe Swartz Electric, Co.
- C W Henderson Electric, Inc.
- Design Electric
- American Residential Service
- Boyer, Inc.
- Wayne Electric, Inc.
- M & I Electric Industries Inc
- Melton Electric
- Merit Electric, Co.
- Kenmore Electric, Co.
- McBride Electric, Inc.

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Relay Texas Numbers:

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