

FOCUS ON

ELECTRICAL POWER-LINE INSTALLERS/REPAIRERS

Houston Gulf Coast Region*

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ELECTRICAL POWER-LINE INSTALLERS/REPAIRERS ARE WIRED FOR THE FUTURE.

When it comes to choosing a career don't be stuck in the dark! Electrical power-line installers/repairers install and maintain the vast network of cable connections that run between power plants and consumers. Power line work continues year round and just like emergency personnel power-line installers/repairers work straight through bad weather, natural disasters, and emergencies. Electrical power-line installers and repairers are in short supply in the Gulf Coast Region*. The shortage of electrical power-line installers/repairers translates into outstanding career opportunities to individuals entering into the workforce.



Factors contributing to the shortage:

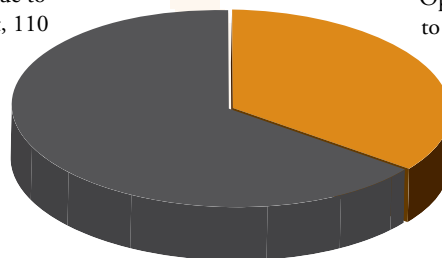
- a workforce that is approaching retirement age
- an aging electrical infrastructure
- a growing population
- the values of society lean towards the pursuit of higher education and not vocational education

Electrical power-line installers/repairers are retiring fast. The region needs to train 205 each year to replace those retiring, advancing, or changing careers.

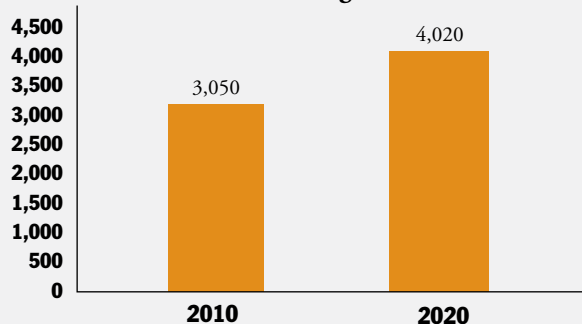
Annual Job Openings – Gulf Coast Region

Openings Due to Replacement, 110

Openings Due to Growth, 95



Electrical Power-Line Installers & Repairers– Gulf Coast Region



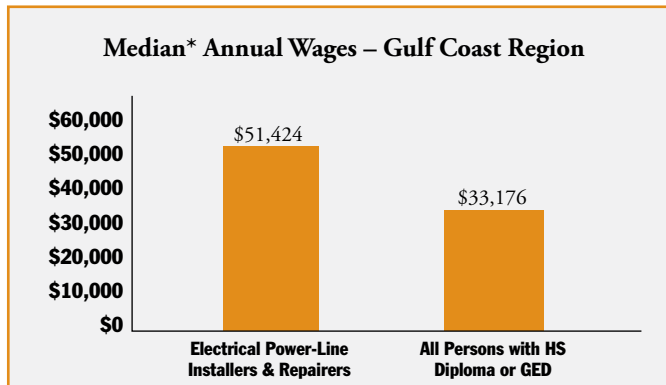
There are expected to be more than 4,000 electrical power-line installers/repairers working in the Gulf Coast Region by 2020.

*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.
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Latest data available as of June 2013.

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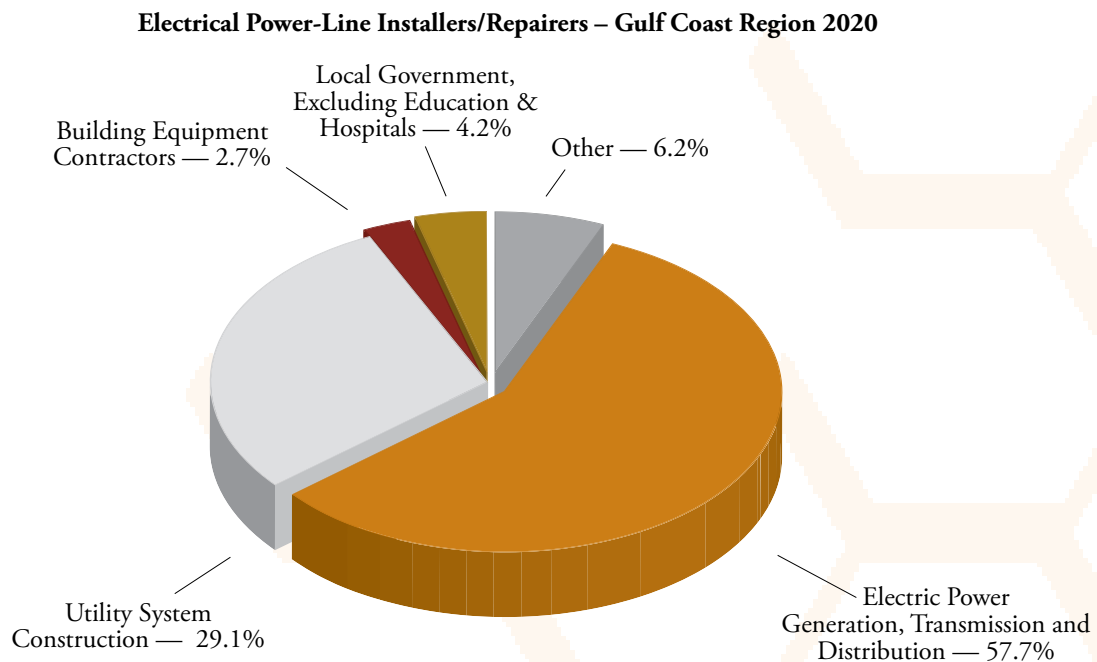
ELECTRICAL POWER-LINE INSTALLERS/REPAIRERS EARN MUCH HIGHER WAGES THAN MOST OCCUPATIONS NOT REQUIRING POSTSECONDARY EDUCATION.



*Middle value of sorted list of wages



MOST ELECTRICAL POWER-LINE INSTALLERS/REPAIRERS WORK FOR UTILITY CONSTRUCTION COMPANIES OR ELECTRICITY PROVIDERS.



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PATHWAY TO BECOMING AN ELECTRICAL POWER-LINE INSTALLER/REPAIRER

Most companies require individuals to have a high school diploma or equivalent. Technical knowledge of electricity or electronics obtained through military service, vocational programs or community colleges can be helpful. Electrical power-line installers/repairers spend several years of long-term on-the-job training coupled with classroom work. Work is physically demanding requiring work in hazardous conditions and often requires working at extreme heights. If you feel you could never climb a 55 foot pole using metal spikes then this job is not for you. While training procedures vary whether you enter this occupation through a utility company, contractor, or union hall, programs generally place workers on the ground stocking and loading trucks, preparing work materials and learning procedures and what materials and tools are needed at each stage of installation or repair. 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

ADDITIONAL INFORMATION

- American Public Power Association, 1875 Connecticut Ave. NW., Suite 1200, Washington, DC 20009-5715. Internet: <http://www.appanet.org>
- Center for Energy Workforce Development, 701 Pennsylvania Ave. NW., Washington, DC 20004-2696. Internet: <http://www.cewd.org>
- International Brotherhood of Electrical Workers, 900 Seventh St. NW., Washington, DC 20001. Internet: <http://www.ibew.org>
- National Joint Apprenticeship and Training Committee (NJATC), 301 Prince Georges Blvd., Suite D, Upper Marlboro, MD 20774. Internet: <http://www.njatc.org>

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PREPARING FOR A CAREER AS AN ELECTRICAL POWER-LINE INSTALLER/REPAIRER*

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, Engineering Principles, Electronics Technology, 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, Power Technology, Manufacturing Systems, Introduction to Robotics
	Mathematics Models w/ Applications	Communications Applications	
	Physics	PE or Equivalent	
12th Grade	Suggested Coursework		
	English IV	Government/Economics	Career-Related Electives: Research Design and Development, Problems and Solutions in Technology, Manufacturing Technology
	Algebra II	Fine Arts	
	Engineering		

*Source: AchieveTexas.org

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GULF COAST REGION

ELECTRICAL POWER-LINE INSTALLER/REPAIRER AND RELATED PROGRAMS.

Community Colleges that offer related training:

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

Major Employers in the Gulf Coast Region

- Center Point Energy
- Dacon Corp
- Jacobs Engineering
- North Houston Pole Line Corporation
- Quanta Services Inc
- Reliant Energy
- The Mundy Companies

For more information visit us on the web at www.wrksolutions.com

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