

Occupational Profile: Helpers - Electricians

GENERAL OCCUPATION DESCRIPTION

Help electricians by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation. Exclude construction laborers who do not primarily assist electricians, and classify them under "Construction Laborers".

Source: O*NET online. <http://online.onetcenter.org>

REQUIRED EDUCATION

As shown in the table to right, 78% of interviewed employers reportedly require a High School diploma or less, while an additional 22% require a two-year degree or the equivalent.

Required Education	
Percent of Employers Requiring HS Diploma or Less	77.52%
Percent of Employers Requiring 2-Year Degree or Equiv	22.48%
Percent of Employers Requiring BS Diploma or More	0%

Source: Bureau of Labor Statistics

WAGES

Electrician's Helper is considered a low -wage occupation, with low to moderate possibility for wage advancement with experience. Employers in Greater Phoenix and the State of Arizona generally pay lower as compared with the overall United States.

Location	Pay Period	2005				
		10%	25%	Median	75%	90%
United States	Hourly	\$7.84	\$9.28	\$11.17	\$13.72	\$16.82
	Yearly	\$16,300	\$19,300	\$23,200	\$28,500	\$35,000
Greater Phoenix	Hourly	\$6.90	\$7.70	\$9.27	\$12.28	\$13.85
	Yearly	\$14,359	\$16,024	\$19,291	\$25,555	\$28,822
Arizona	Hourly	\$7.14	\$7.76	\$9.15	\$12.26	\$13.88
	Yearly	\$14,900	\$16,100	\$19,000	\$25,500	\$28,900

Source: Bureau of Labor Statistics

As shown in the table to right, a national comparison of wages for this occupation reveals Arizona ranks 52nd in terms of median wages.

RANK	Location	Median Wage 2005	
		Hourly	Annual
1	Hawaii	\$15.74	\$32,700
2	Alaska	\$15.58	\$32,400
3	Missouri	\$15.29	\$31,800
4	New York	\$15.20	\$31,600
5	Illinois	\$14.64	\$30,500
52	ARIZONA	\$9.15	\$19,000

Source: Bureau of Labor Statistics

The table below provides a comparison of wages by sub-industry for the Greater Phoenix region (2005). As shown, the main employment sector, "Specialty Trade Contractors" pays comparably as compared with the other main employment sector "Construction of Buildings."

Wages by Industry: Greater Phoenix MSA (2005)	Rounded Employment	Mean Wage	10th Percentile Wage	25th Percentile Wage	Median Wage	75th Percentile Wage	90th Percentile Wage
Specialty Trade Contractors	1,570	\$10.13	\$7.17	\$7.80	\$9.36	\$12.50	\$14.03
Construction of Buildings	.	\$9.75	\$6.62	\$7.59	\$9.17	\$12.05	\$13.67

EMPLOYMENT

As shown in the table below, this occupation has a projected 40% growth rate over 10 years (between 2003 and 2013) for the Greater Phoenix region. There are an average projected 98 job openings each year, comprised of 45 new jobs and 53 positions vacated by individuals leaving the field (due to retirement, death, career changes, or other reasons).

	10-YEAR CHANGE			AVERAGE ANNUAL		
	Employment		Percent Change	Job Openings	Growth	Separations
	2004	2014				
United States						
Helpers-Electricians	95,200	98,900	4%	4,330	n/a	n/a
Arizona						
Helpers-Electricians	2,220	2,970	34%	170	n/a	n/a
Greater Phoenix						
Helpers-Electricians	1,265	1,711	40%	98	45	53

Source: Bureau of Labor Statistics

*Job Openings refers to the average annual job openings due to growth and net replacement.

Source: Bureau of Labor Statistics

**N/A is displayed in cases where data is not available or cannot be published because of federal data privacy standards.

An additional source of information regarding this occupation can be provided by analysis of employer survey data collected for the Maricopa County Community Colleges by the ERISS Corporation in 2004. As shown, the ERISS survey data shows a projected 1-year growth rate of 3%, which is comparable to the average of 4% per year reflected by the BLS data above.

Additionally, the ERISS data provides an indicator of yearly turnover for this occupation, which is reported to be higher at 24%.

ERISS Occupational Survey Data (2004)			
Greater Phoenix	Growth	Turnover	Demand
Helpers--Electricians	3%	24%	27%

Comparison of employment projections for top five regions for Electrician's Helper

As shown in the table to right, a national comparison reveals the State of Arizona ranks 2nd in terms of projected 10-year growth for this occupation (34%).

RANK	Location	Employment		Percent
		2004	2014	Change
1	Colorado	1,200	1,660	38%
2	ARIZONA	2,220	2,970	34%
3	Wyoming	90	120	33%
4	Nevada	1,230	1,590	29%
5	Idaho	80	110	28%

Employment by Industry

The table below shows the industries that most commonly employ Electrician's Helper, and the proportion of employment accounted for at the national level. As shown, "Electrical contractor" is the largest employer for this occupation (87.2%).

Percent of Employment Nationally by Industry	
Percent	Industry
87.2%	Electrical contractors
2.5%	Plumbing, heating, and air-conditioning contractors

Source: Bureau of Labor Statistics

Geo-Location Overlay of Employers with 10 or More Employees that Potentially Employ Occupation (n = 221)

