

## Sustainability and Green Technologies - Occupational Employment and Annual Wage Estimates

Greater Phoenix, 2008

Occ. Code	Occupational Title	Employment (rounded)	Average Wage	Wages by Percentile					Growth*	Turnover**
				10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile		
<b>Management Occupations</b>										
11-9021	Construction managers	2,930	\$96,870	\$53,180	\$65,430	\$84,010	\$112,420	\$161,720	6.5%	0.4
11-9041	Engineering managers	4,540	\$116,490	\$78,450	\$95,710	\$115,800	\$135,120	\$161,170	13.7%	0.7
11-1021	General and operations managers	29,300	\$105,960	\$45,650	\$63,280	\$89,330	\$132,230	N/A	6.3%	0.3
11-3051	Industrial production managers	1,320	\$86,620	\$45,840	\$60,300	\$80,640	\$107,720	\$136,710	-0.9%	0.0
11-2021	Marketing managers	2,770	\$87,730	\$43,130	\$52,860	\$76,700	\$112,220	\$153,410	13.1%	0.6
11-9121	Natural sciences managers	350	\$86,350	\$53,460	\$67,600	\$87,700	\$102,590	\$123,200	30.3%	1.3
11-3071	Transportation, storage, and distribution managers	1,410	\$66,380	\$33,670	\$43,190	\$61,270	\$81,190	\$111,800	13.1%	0.4
<b>Business, Financial, and Computer Occupations</b>										
15-1032	Computer software engineers, systems software	3,700	\$81,070	\$45,710	\$61,700	\$81,230	\$100,540	\$120,310	17.0%	1.2
13-2051	Financial analysts	3,020	\$68,890	\$37,900	\$46,720	\$64,830	\$84,170	\$105,780	35.6%	6.2
13-2052	Personal financial advisors	1,680	\$67,790	\$26,600	\$36,620	\$56,020	\$83,460	\$128,180	36.2%	4.0
13-1021	Purchasing agents and buyers, farm products	280	\$61,020	\$30,510	\$44,530	\$58,190	\$78,740	\$93,250	5.4%	0.4
13-1073	Training and development specialists	4,500	\$53,210	\$30,280	\$37,880	\$48,690	\$65,350	\$84,870	21.9%	1.0
13-1022	Wholesale and retail buyers, except farm products	2,460	\$68,210	\$28,890	\$36,210	\$59,560	\$90,030	\$104,950	4.5%	0.2
<b>Architecture and Engineering Occupations</b>										
17-2011	Aerospace engineers	1,530	\$77,430	\$51,030	\$59,100	\$66,210	\$99,790	\$129,660	13.9%	0.7
17-1011	Architects, except landscape and naval	1,430	\$76,760	\$42,140	\$54,080	\$72,470	\$88,790	\$107,970	19.3%	1.1
17-3011	Architectural and civil drafters	2,720	\$46,110	\$25,160	\$35,000	\$44,190	\$57,410	\$69,200	10.6%	0.4
17-2041	Chemical engineers	180	\$78,780	\$44,750	\$61,870	\$77,030	\$94,690	\$107,410	25.9%	1.0
17-2051	Civil engineers	2,960	\$77,750	\$50,680	\$59,810	\$73,690	\$92,460	\$112,500	18.5%	0.7
17-3023	Electrical and electronic engineering technicians	4,630	\$51,150	\$30,480	\$37,560	\$49,190	\$61,860	\$76,380	-6.3%	0.0
17-2071	Electrical engineers	3,160	\$82,050	\$49,680	\$62,290	\$78,910	\$101,780	\$124,230	12.8%	0.6
17-3024	Electro-mechanical technicians	240	\$43,380	\$33,030	\$36,310	\$41,680	\$49,440	\$57,850	3.5%	0.2
17-2072	Electronics engineers, except computer	2,720	\$76,940	\$49,930	\$61,680	\$76,130	\$92,340	\$107,450	-13.3%	0.0
17-3025	Environmental engineering technicians	310	\$42,980	\$25,120	\$29,550	\$37,630	\$50,200	\$75,980	30.5%	1.7
17-2081	Environmental engineers	490	\$70,410	\$42,640	\$51,620	\$64,690	\$90,540	\$105,990	17.7%	0.6
17-2111	Health and safety engineers, except mining safety	460	\$77,180	\$49,060	\$62,960	\$78,990	\$93,690	\$106,640	14.3%	0.6
17-3026	Industrial engineering technicians	1,610	\$38,960	\$23,380	\$27,490	\$33,550	\$46,140	\$66,700	-3.7%	0.0

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17-2112	Industrial engineers	3,270	\$78,480	\$52,190	\$60,940	\$74,310	\$95,560	\$118,730	21.5%	0.9
17-1012	Landscape architects	510	\$65,320	\$43,480	\$48,580	\$60,330	\$81,360	\$99,890	20.7%	1.0
17-2141	Mechanical engineers	3,200	\$74,650	\$48,130	\$57,260	\$68,760	\$86,060	\$117,240	11.9%	0.6
17-2161	Nuclear engineers	1,000	\$93,350	\$73,550	\$88,110	\$96,200	\$104,300	\$109,300	12.1%	0.5
<b>Life and Physical Science Occupations</b>										
19-4011	Agricultural and food science technicians	N/A	\$42,650	\$26,400	\$29,780	\$40,450	\$56,070	\$61,110	N/A	N/A
19-2021	Atmospheric and space scientists	N/A	\$80,580	\$55,520	\$66,620	\$83,230	\$95,920	\$103,460	5.3%	0.3
19-4031	Chemical technicians	310	\$47,680	\$27,420	\$33,370	\$42,860	\$63,850	\$78,700	14.1%	0.4
19-2031	Chemists	890	\$67,820	\$37,820	\$52,340	\$65,590	\$80,560	\$107,980	21.1%	0.8
19-1031	Conservation scientists	90	\$54,510	\$34,680	\$38,710	\$51,210	\$65,290	\$78,360	19.3%	0.7
19-4091	Environmental science and protection technicians, including health	230	\$46,180	\$30,000	\$38,140	\$47,290	\$54,050	\$61,820	44.6%	1.2
19-2041	Environmental scientists and specialists, including health	930	\$54,360	\$34,870	\$40,250	\$48,700	\$61,040	\$82,950	28.1%	1.1
19-4093	Forest and conservation technicians	100	\$33,910	\$21,730	\$24,690	\$29,940	\$41,780	\$54,070	8.4%	0.2
19-4041	Geological and petroleum technicians	N/A	\$37,750	\$24,750	\$34,320	\$37,320	\$40,340	\$48,010	N/A	N/A
19-2042	Geoscientists, except hydrologists and geographers	140	\$63,520	\$41,350	\$46,430	\$57,000	\$79,160	\$99,330	26.5%	1.3
19-2043	Hydrologists	170	\$58,000	\$41,500	\$45,660	\$52,820	\$65,530	\$83,580	17.3%	0.6
19-3051	Urban and regional planners	660	\$61,820	\$40,670	\$48,690	\$60,610	\$73,730	\$86,290	10.3%	0.4
19-1023	Zoologists and wildlife biologists	120	\$59,170	\$34,920	\$43,000	\$58,450	\$73,510	\$88,630	6.3%	0.3
<b>Legal Occupations</b>										
23-1022	Arbitrators, mediators, and conciliators	90	\$60,550	\$43,890	\$48,640	\$56,530	\$68,060	\$89,620	N/A	N/A
<b>Art and Media Occupations</b>										
27-1021	Commercial and industrial designers	550	\$57,260	\$29,920	\$38,250	\$54,820	\$69,130	\$92,420	5.1%	0.2
27-3031	Public relations specialists	2,450	\$49,900	\$24,700	\$32,310	\$43,450	\$61,480	\$79,650	20.9%	2.8
27-3022	Reporters and correspondents	540	\$40,500	\$25,530	\$27,980	\$31,060	\$39,030	\$52,980	-5.5%	0.0
<b>Health Services Occupations</b>										
29-9011	Occupational health and safety specialists	440	\$62,190	\$36,380	\$47,560	\$60,680	\$77,240	\$96,120	5.3%	0.3
29-9012	Occupational health and safety technicians	120	\$70,650	\$46,500	\$58,190	\$71,360	\$86,790	\$100,870	7.4%	0.5

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<b>Sales and Administrative Support Occupations</b>										
43-4051	Customer service representatives	51,460	\$31,440	\$20,420	\$24,480	\$29,710	\$37,130	\$45,670	29.8%	1.1
43-5032	Dispatchers, except police, fire, and ambulance	2,740	\$34,830	\$20,840	\$25,250	\$31,740	\$43,640	\$51,800	4.6%	0.2
43-5061	Production, planning, and expediting clerks	4,360	\$40,740	\$24,980	\$29,800	\$38,760	\$49,660	\$61,910	8.5%	0.3
41-4011	Sales representatives, technical and scientific products	9,830	\$66,470	\$30,150	\$37,920	\$55,030	\$84,470	\$118,620	14.3%	0.6
43-5071	Shipping, receiving, and traffic clerks	25,490	\$22,240	\$15,790	\$17,210	\$19,390	\$25,170	\$33,510	14.8%	0.6
<b>Agriculture Occupations</b>										
45-2011	Agricultural inspectors	70	\$38,350	\$27,250	\$30,320	\$36,270	\$45,080	\$55,650	1.7%	0.1
45-1011	First-line supervisors/managers of farming, fishing, and forestry workers	140	\$43,790	\$24,850	\$29,720	\$36,070	\$60,320	\$78,850	1.0%	0.1
<b>Construction and Extraction Occupations</b>										
47-2011	Boilermakers	150	\$47,070	\$37,470	\$41,770	\$46,360	\$51,450	\$59,460	17.5%	0.4
47-2031	Carpenters	24,340	\$36,700	\$19,590	\$25,540	\$34,560	\$44,580	\$57,440	1.1%	0.1
47-2051	Cement masons and concrete finishers	6,410	\$37,840	\$23,680	\$29,410	\$36,720	\$43,800	\$52,580	3.1%	0.1
47-4011	Construction and building inspectors	1,730	\$50,980	\$30,540	\$39,680	\$50,770	\$61,390	\$72,740	16.6%	0.9
47-2061	Construction laborers	21,660	\$28,410	\$15,200	\$19,430	\$25,970	\$33,770	\$44,340	4.4%	0.6
47-5041	Continuous mining machine operators	170	\$34,910	\$28,080	\$30,550	\$34,600	\$39,990	\$43,190	13.5%	0.4
47-2111	Electricians	10,500	\$43,070	\$27,250	\$32,930	\$41,010	\$51,600	\$63,430	7.9%	0.3
47-4041	Hazardous materials removal workers	600	\$28,580	\$20,870	\$23,600	\$28,290	\$31,500	\$33,570	3.5%	0.2
47-3012	Helpers--carpenters	2,830	\$28,090	\$19,030	\$22,780	\$28,760	\$32,770	\$37,020	3.0%	0.1
47-2131	Insulation workers, floor, ceiling, and wall	460	\$23,960	\$15,260	\$16,600	\$22,300	\$28,740	\$33,340	0.6%	0.0
47-2073	Operating engineers and other construction equipment operators	8,300	\$44,150	\$32,410	\$37,550	\$44,030	\$49,970	\$56,870	7.8%	0.4
47-2152	Plumbers, pipefitters, and steamfitters	7,410	\$41,210	\$25,300	\$31,730	\$39,730	\$50,080	\$61,060	4.6%	0.2
47-2181	Roofers	3,540	\$29,460	\$18,750	\$22,590	\$28,240	\$34,500	\$41,610	2.5%	0.1
47-2211	Sheet metal workers	2,170	\$37,420	\$20,820	\$26,600	\$35,280	\$47,350	\$57,490	2.1%	0.1
47-2221	Structural iron and steel workers	1,390	\$34,210	\$23,450	\$27,360	\$33,430	\$39,910	\$47,790	-3.2%	0.0
<b>Installation, Maintenance, and Repair Occupations</b>										
49-3023	Automotive service technicians and mechanics	9,500	\$37,790	\$18,760	\$24,420	\$35,900	\$49,500	\$61,170	12.5%	0.6
49-2094	Electrical and electronics repairers, commercial and industrial equipment	1,300	\$47,820	\$26,760	\$37,390	\$47,550	\$58,820	\$66,910	16.7%	0.5
49-9051	Electrical power-line installers and repairers	1,370	\$61,340	\$42,120	\$53,340	\$63,250	\$73,900	\$80,640	14.8%	0.5
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	6,190	\$61,430	\$35,060	\$44,210	\$59,930	\$79,390	\$94,700	10.1%	0.4

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49-9021	Heating, air conditioning, and refrigeration mechanics and installers	3,520	\$41,250	\$23,760	\$31,070	\$40,010	\$50,010	\$61,300	6.7%	0.4
49-9098	Helpers--installation, maintenance, and repair workers	1,440	\$27,040	\$17,860	\$21,310	\$25,710	\$31,620	\$38,920	12.0%	0.5
49-9041	Industrial machinery mechanics	1,620	\$51,990	\$30,260	\$37,910	\$52,460	\$64,570	\$77,390	19.1%	1.2
49-9042	Maintenance and repair workers, general	17,090	\$35,250	\$21,360	\$25,540	\$33,000	\$42,550	\$53,760	14.8%	6.0
49-9044	Millwrights	N/A	\$39,400	\$22,990	\$34,890	\$38,530	\$42,670	\$57,530	7.9%	0.7
<b>Production Occupations</b>										
51-2011	Aircraft structure, surfaces, rigging, and systems assemblers	820	\$39,460	\$22,500	\$26,040	\$39,590	\$51,660	\$60,250	24.2%	1.2
51-4011	Computer-controlled machine tool operators, metal and plastic	1,020	\$36,640	\$25,770	\$29,600	\$36,340	\$43,830	\$49,640	12.4%	1.0
51-4031	Cutting, punching, and press machine setters, operators, and tenders	1,480	\$27,910	\$17,270	\$19,920	\$25,930	\$34,180	\$41,540	-6.9%	0.0
51-4032	Drilling and boring machine tool setters, operators, and tenders	140	\$29,610	\$15,690	\$19,360	\$30,320	\$38,720	\$44,000	-8.8%	0.0
51-2022	Electrical and electronic equipment assemblers	5,960	\$36,270	\$21,800	\$26,720	\$34,620	\$45,390	\$52,960	-32.2%	0.0
51-2031	Engine and other machine assemblers	50	\$39,230	\$27,860	\$30,830	\$41,710	\$47,850	\$51,310	N/A	N/A
51-1011	First-line supervisors/managers of production and operating workers	6,820	\$50,770	\$30,480	\$36,490	\$46,500	\$62,030	\$80,370	4.6%	0.3
51-9061	Inspectors, testers, sorters, samplers, and weighers	5,180	\$33,580	\$18,170	\$23,650	\$31,510	\$41,860	\$51,910	-1.4%	0.0
51-4041	Machinists	4,090	\$35,390	\$20,280	\$25,690	\$34,450	\$44,290	\$52,420	10.0%	0.7
51-9023	Mixing and blending machine setters, operators, and tenders	670	\$33,800	\$20,770	\$25,140	\$31,610	\$43,020	\$50,610	6.8%	0.4
51-8012	Power distributors and dispatchers	110	N/A	N/A	N/A	N/A	N/A	N/A	5.6%	0.3
51-8013	Power plant operators	40	\$47,640	\$41,200	\$43,820	\$47,520	\$51,280	\$57,200	11.6%	0.3
51-9012	Separating, filtering, clarifying, precipitating, and still machine operators	350	\$29,610	\$17,100	\$20,030	\$29,200	\$37,680	\$44,760	21.7%	0.9
51-8021	Stationary engineers and boiler operators	190	\$44,500	\$33,670	\$36,200	\$40,830	\$50,360	\$62,350	19.2%	1.1
51-2041	Structural metal fabricators and fitters	940	\$30,830	\$21,230	\$25,250	\$30,330	\$36,310	\$40,400	2.1%	0.1
51-2092	Team assemblers	13,410	\$24,700	\$16,280	\$18,340	\$22,390	\$28,920	\$37,160	4.3%	0.2
51-4121	Welders, cutters, solderers, and brazers	4,060	\$33,040	\$21,340	\$25,900	\$31,180	\$38,990	\$47,870	10.7%	0.5
<b>Transportation and Material Moving Occupations</b>										
53-3021	Bus drivers, transit and intercity	2,480	\$23,990	\$16,180	\$21,240	\$23,370	\$25,510	\$31,250	17.1%	1.3
53-7051	Industrial truck and tractor operators	4,100	\$29,320	\$20,500	\$23,690	\$28,710	\$34,080	\$39,520	11.1%	0.4
53-7062	Laborers and freight, stock, and material movers, hand	31,710	\$24,030	\$15,580	\$17,940	\$22,450	\$28,680	\$35,770	7.3%	0.2
53-7081	Refuse and recyclable material collectors	900	\$36,880	\$26,930	\$31,440	\$36,770	\$42,920	\$49,420	19.3%	0.7
53-6051	Transportation inspectors	270	\$76,070	\$33,760	\$55,330	\$75,780	\$99,410	\$113,700	19.2%	0.6
53-3032	Truck drivers, heavy and tractor-trailer	17,450	\$40,120	\$26,680	\$31,600	\$38,240	\$47,360	\$58,160	20.0%	1.1

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	Total, All Occupations	1,890,060	\$40,110	\$16,550	\$21,370	\$31,510	\$47,970	\$73,180	15.2%	0.7

\*Ten-year employment growth projection, 2006-2016 for the State of Arizona

\*\*Projected number of annual openings due to growth divided by the projected number of annual openings due to replacement (such as career changes, retirements, promotions, etc.). Higher ratios indicate lower turnover. Based on 2006-2016 occupational projection data for the State of Arizona.

Source: Arizona Department of Commerce