



# ENERGY AND UTILITIES

Utilizing renewable energy and sustainable resources will impact our future for generations to come. Hydroelectric, geothermal, and nuclear power are part of the current resources, but what new energy technology might the future hold? Doing more with less will likely be a focus of future research and development. Pollution created by energy and utility use poses a significant challenge for environmentalists and scientists now and in the future. Improving the recycling of waste materials from trash to sewage will offer many employment opportunities in the Energy and Utilities Industry Sector.

The information below is just a small sample of the many great employment related resources available on the State of California website [www.edd.ca.gov](http://www.edd.ca.gov). We encourage you to visit the website and explore the available information.

Occupation Title	Employment Levels in 2006	Projected Employment level 2016	Projected Job Growth	Percent of Job Growth	2008 Hourly Mean Wage	2008 Weekly Mean Wage	2008 Monthly Mean Wage	2008 Annual Mean Wage
Commercial & Industrial Designers	5,900	6,600	700	11.90%	\$36.46	\$1,458.40	\$6,125.28	\$73,503.36
Conservation Scientists	1,000	1,100	100	10.00%	\$32.92	\$1,316.80	\$5,530.56	\$66,366.72
Electric Motor, Power Tool Repairs	1,600	1,600	0	0.00%	\$19.75	\$790.00	\$3,318.00	\$39,816.00
Electrical & Electronic Engineering Techs	23,000	25,300	2,300	10.00%	\$28.31	\$1,132.40	\$4,756.08	\$57,072.96
Electrical Engineers	19,600	20,700	1,100	5.60%	\$45.45	\$1,818.00	\$7,635.60	\$91,627.20
Engineering Technicians	12,000	13,900	1,900	15.80%	\$27.70	\$1,108.00	\$4,653.60	\$55,843.20
Environmental Engineers	4,800	6,000	1,200	25.00%	\$39.69	\$1,587.60	\$6,667.92	\$80,015.04
Geological & Petroleum Engineers	2,200	2,500	300	13.60%	\$40.44	\$1,617.60	\$6,793.92	\$81,527.04
Geological & Petroleum Technicians	2,200	2,500	300	13.60%	\$40.44	\$1,617.60	\$6,793.92	\$81,527.04
Heating/Air-Conditioning & Refrigeration	19,700	22,200	2,500	12.70%	\$22.81	\$912.40	\$3,832.08	\$45,984.96
Home Appliance Repairers	6,200	6,900	700	11.30%	\$19.25	\$770.00	\$3,234.00	\$38,808.00
Hydrologists	\$1,000.00	1,300	300	30.00%	\$38.07	\$1,522.80	\$6,395.76	\$76,749.12
Industrial Engineering Technicians	6,500	8,100	1,600	24.60%	\$27.67	\$1,106.80	\$4,648.56	\$55,782.72
Industrial Engineers	19,400	24,700	5,300	27.30%	\$40.79	\$1,631.60	\$6,852.72	\$82,232.64
Management Analysts	89,100	105,900	16,800	18.90%	\$42.41	\$1,696.40	\$7,124.88	\$85,498.56
Meter Readers, Utilities	5,000	4,700	-300	-6.00%	\$20.75	\$830.00	\$3,486.00	\$41,832.00
Nuclear Engineers	1,100	1,200	100	9.10%	\$48.70	\$1,948.00	\$8,181.60	\$98,179.20
Power Distributors and Dispatchers	N/A	N/A	N/A	N/A	\$35.53	\$1,421.20	\$5,969.04	\$71,628.48
Sound Engineering Technicians	4,300	4,900	600	14.00%	\$34.23	\$1,369.20	\$5,750.64	\$69,007.68
Water & Liquid Waste Treatment Workers	8,300	9,900	1,600	19.30%	\$25.80	\$1,032.00	\$4,334.40	\$52,012.80

These selected occupations with information on job growth, percent growth and earning potentials are based on information found at [www.labormarketinfo.edd.ca.gov](http://www.labormarketinfo.edd.ca.gov)

<sup>1</sup> **Mean:** Midpoint between highest & lowest

<sup>2</sup> **Weekly:** Based on 40 hours

<sup>3</sup> **Monthly:** Based on 168 hours



# TIPS FOR JOB SEEKERS

*How can you improve your chances of getting a job? Applying for a job is the easy part, but getting it can be more of a challenge. Following these five tips can help you reach your goal:*

## 1 The Job

- Determine your interests: talk to others and consider your hobbies and talents
- Search “career assessments” on the Internet

## 2 The Resume

- Should be easy to read: not too long, too wordy or too cluttered
- Make it powerful
- Show you can cooperate, you can learn, and you can do

## 3 The Application

- Make it neat, complete and accurate
- Include recommendations from teachers, employers, coaches, friends, etc.

## 4 The Interview

- Show enthusiasm: it separates the winners from the losers
- Dress appropriately/similar to those on the job

## 5 The Follow-up

- Send a thank you note
- Call to see if a decision has been made
- If not, ask, “Am I still a candidate?”
- If you are, ask, “Is it okay if I call back in a couple of days?”



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