Big Sandy Area Occupational Outlook to 2014

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Office of Employment and Training

Kentucky
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Big Sandy Area
Occupational Outlook to 2014

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PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

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INTRODUCTION

Big Sandy Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *Big Sandy Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

NOTE: Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page http://www.bls.gov/soc/home.htm.

BIG SANDY
HIGHLIGHTS
2004-2014

- ✓ Employment is projected to grow from 53,483 to 59,668, a gain of 11.6 percent.

- ✓ Total annual job openings are expected to be about 1,961.

- ✓ Growth in employment will create about 675 job openings annually.

- ✓ Approximately 1,286 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.

- ✓ Thirty-four percent of job openings will result from growth; the remaining 66 percent will result from separations from the labor force.

- ✓ The greatest number of annual job openings will be in Sales and Related Occupations (274), followed by Construction and Extraction Occupations (218), and Office and Administrative Support Occupations (217).

- ✓ Occupations with the largest percentage change are Network Systems and Data Communications Analysts (59.1%), Home Health Aides (40.0%), Physician Assistants (39.1%) and Network and Computer Systems Administrators (37.5%).

- ✓ The largest growth rates are likely to be in Fire Fighting and Prevention Occupations (31.7%), Computer Specialists Occupations (30.4%), and Postsecondary Teacher Occupations (28.7%).

- ✓ The two occupations with the largest number of annual job openings are Cashiers (107) and Retail Salespersons (85).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	**1)** Total average annual job openings and **2)** employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	**1)** Employment growth (new jobs), **2)** employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	*Industrial growth or decline* has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. *Technological change* may raise the demand for some skills while eliminating the demand for others. *Self-service, out-sourcing, or 24 hour operations* can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	**1)** The number of workers who are currently employed, **2)** the number of job vacancies created by worker separation, and **3)** the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Big Sandy Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014 Growth	Separations	Total
	Management Occupations			
11-1021	General & Operations Mgrs.	11	15	**26**
	Legal Occupations			
23-2011	Paralegals & Legal Assistants	9	3	**12**
	Education, Training and Library Occupations			
25-9041	Teacher Assistants	11	15	**26**
25-2021	Elem. School Teachers, Ex. Special Education	9	16	**25**
25-3099	Teachers & Instructors, All Other	14	8	**22**
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	5	12	**17**
	Healthcare Practitioners and Technical Occupations			
29-1111	Registered Nurses	27	22	**49**
29-2061	Licensed Practical & Licensed Voc. Nurses	5	11	**16**
	Healthcare Support Occupations			
31-1012	Nursing Aides, Orderlies & Attendants	13	10	**23**
31-9092	Medical Assistants	14	8	**22**
	Protective Service Occupations			
33-3012	Correctional Officers & Jailers	7	9	**16**
	Food Preparation and Serving Related Occupations			
35-3021	Combined Food Prep. & Serving Workers	23	56	**79**
35-3031	Waiters & Waitresses	6	21	**27**
35-2021	Food Preparation Workers	8	14	**22**
35-1012	Mgrs. of Food Preparation & Serving Workers	7	10	**17**
35-2011	Cooks, Fast Food	5	10	**15**
35-2012	Cooks, Institution & Cafeteria	1	13	**14**
	Building and Grounds Cleaning and Maintenance Occupations			
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	15	16	**31**
37-2012	Maids & Housekeeping Cleaners	4	9	**13**
	Personal Care and Service Occupations			
39-9011	Child Care Workers	8	12	**20**
	Sales and Related Occupations			
41-2011	Cashiers	10	97	**107**
41-2031	Retail Salespersons	19	66	**85**
41-1011	Mgrs. of Retail Sales Workers	10	21	**31**
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	5	7	**12**

Top 45
Big Sandy Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014 Growth	Separations	Total
	Office and Administrative Support Occupations			
43-5081	Stock Clerks & Order Fillers	0	27	**27**
43-9061	Office Clerks, General	1	19	**20**
43-4171	Receptionists & Information Clerks	6	12	**18**
43-3071	Tellers	3	14	**17**
43-6014	Secretaries, Ex. Legal, Medical & Executive	0	14	**14**
43-1011	Mgrs. of Office & Admin. Support Workers	2	11	**13**
43-3031	Bookkeeping, Accounting & Auditing Clerks	2	11	**13**
43-4051	Customer Service Representatives	7	5	**12**
43-6011	Executive Secretaries & Admin. Assistants	3	8	**11**
	Constructing and Extraction Occupations			
47-2073	Operating Engineers & Other Constr. Equip. Ops.	28	37	**65**
47-1011	Mgrs. of Constr. Trades & Extraction Workers	16	16	**32**
47-5081	Helpers--Extraction Workers	6	13	**19**
47-2111	Electricians	4	9	**13**
47-2061	Construction Laborers	2	8	**10**
	Installation, Maintenance and Repair Occupations			
49-9042	Maintenance & Repair Workers, General	6	11	**17**
49-3023	Automotive Service Technicians & Mechanics	4	7	**11**
	Transportation and Material Moving Occupations			
53-3032	Truck Drivers, Heavy & Tractor-Trailer	24	20	**44**
53-7062	Laborer & Freight, Stock & Material Mover, Hand	3	21	**24**
53-3033	Truck Drivers, Light or Delivery Services	10	6	**16**
53-3022	Bus Drivers, School	5	10	**15**
53-7032	Excavating & Loading Machine & Dragline Ops.	6	7	**13**

Top 45
Fastest Growing Big Sandy Area Occupations

Occupation Code	Occupational Title	Fast Growing Occupations: Employment Actual 2004	Employment Projected 2014	Change 2004-2014 Number	Change 2004-2014 Percent	Total Job Openings Average Annual 2004-2014
	Management Occupations					
11-2022	Sales Mgrs.	55	67	12	**21.8**	2
11-9041	Engineering Mgrs.	44	53	9	**20.5**	2
11-9111	Medical & Health Services Mgrs.	178	214	36	**20.2**	8
	Business and Financial Operations Occupations					
13-1071	Employment, Recruitment & Placement Spec.	39	47	8	**20.5**	2
	Computer and Mathematical Occupations					
15-1081	Network Systems & Data Comm. Analysts	44	70	26	**59.1**	4
15-1071	Network & Computer Systems Admin.	56	77	21	**37.5**	3
15-1051	Computer Systems Analysts	34	41	7	**20.6**	1
	Architecture and Engineering Occupations					
17-3023	Electrical & Electronic Engineering Technicians	34	42	8	**23.5**	2
	Life, Physical, and Social Science Occupations					
19-3031	Clinical, Counseling & School Psychologists	50	61	11	**22.0**	2
	Community and Social Service Occupations					
21-1022	Medical & Public Health Social Workers	43	53	10	**23.3**	2
21-1093	Social & Human Service Assistants	154	185	31	**20.1**	6
	Legal Occupations					
23-2011	Paralegals & Legal Assistants	411	497	86	**20.9**	12
	Education, Training and Library Occupations					
25-1194	Vocational Education Teachers, Post.	104	132	28	**26.9**	5
25-9031	Instructional Coordinators	52	66	14	**26.9**	2
25-3099	Teachers & Instructors, All Other	609	752	143	**23.5**	22
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	81	100	19	**23.5**	3
25-2042	Special Education Teachers, Middle School	60	74	14	**23.3**	2
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	125	154	29	**23.2**	6
25-9099	Education, Training & Library Work., All Other	96	116	20	**20.8**	4
	Healthcare Practitioners and Technical Occupations					
29-1071	Physician Assistants	92	128	36	**39.1**	5
29-2041	EMTs & Paramedics	116	149	33	**28.4**	4
29-1111	Registered Nurses	1,064	1,336	272	**25.6**	49
29-2021	Dental Hygienists	42	52	10	**23.8**	1
29-1126	Respiratory Therapists	39	48	9	**23.1**	2

Top 45
Fastest Growing Big Sandy Area Occupations

Occupation Code	Occupational Title	Fast Growing Occupations: Employment Actual 2004	Employment Projected 2014	Change 2004-2014 Number	Change 2004-2014 Percent	Total Job Openings Average Annual 2004-2014
	Healthcare Practitioners and Technical Occupations (cont.)					
29-1122	Occupational Therapists	31	38	7	**22.6**	1
29-2055	Surgical Technologists	40	49	9	**22.5**	2
29-2031	Cardiovascular Technologists & Technicians	38	46	8	**21.1**	2
	Healthcare Support Occupations					
31-1011	Home Health Aides	130	182	52	**40.0**	7
31-9092	Medical Assistants	438	582	144	**32.9**	22
31-9091	Dental Assistants	113	139	26	**23.0**	6
	Protective Service Occupations					
33-2011	Fire Fighters	56	75	19	**33.9**	4
33-1012	Mgrs. of Police & Detectives	31	38	7	**22.6**	2
	Personal Care and Service Occupations					
39-9021	Personal & Home Care Aides	77	104	27	**35.1**	4
	Sales and Related Occupations					
41-2021	Counter & Rental Clerks	116	140	24	**20.7**	6
41-3099	Sales Representatives, Services, All Other	114	137	23	**20.2**	4
	Office and Administrative Support Occupations					
43-4051	Customer Service Representatives	324	398	74	**22.8**	12
43-3051	Payroll & Timekeeping Clerks	72	88	16	**22.2**	4
	Constructing and Extraction Occupations					
47-4051	Highway Maintenance Workers	124	158	34	**27.4**	5
47-5013	Service Unit Operators, Oil, Gas & Mining	61	75	14	**23.0**	3
	Installation, Maintenance and Repair Occupations					
49-9052	Telecomm. Line Installers & Repairers	47	62	15	**31.9**	3
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	53	64	11	**20.8**	2
	Transportation and Material Moving Occupations					
53-7033	Loading Machine Ops., Underground Mining	135	168	33	**24.4**	7
53-7032	Excavating & Loading Machine & Dragline Ops.	265	328	63	**23.8**	13
53-3041	Taxi Drivers & Chauffeurs	56	69	13	**23.2**	2
53-3031	Driver/Sales Workers	182	219	37	**20.3**	7

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2004 2014		Job Growth 2004 2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure. **NOTE:** **Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.**		**Estimated** 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers. **Projected** 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014. **NOTE:** **The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.**		**Number** The total number of jobs in an occupation gained or lost over the 2004 to 2014 period. **Percent** Percent change in employment in an occupation over the 10 year period. **NOTE:** **In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014.** **The growth of an occupation is classified as one of the following based on its percent change:** **1) Declining (< 0%)** **2) Stable (0% - 6.99%)** **3) Growing (7% - 16.99%)** **4) Fast Growing (17% - 23.99%)** **5) Very Fast Growing (> 24%)**		**Growth** Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014. **Separations** Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers. **Total** The sum of openings due to **growth** and openings due to **separations** for an occupation. **NOTE:** **If employment growth is negative, the total number of job openings will equal the number of separations.**			**Average Wage** in this report always refers to the 2005 mean hourly wage.	**Education and/or Training Levels Required** are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11). **NOTE:** **The various categories are described in detail on page 76 of this report.**

Big Sandy Area
Occupational Employment Outlook

Management Occupations

Occupational Code	Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
00-0000	**Total, All Occupations**	**53,483**	**59,668**	**6,185**	**11.6**	**675**	**1,286**	**1,961**	**14.36**	**n/a**
11-0000	**Management Occupations**	**2,729**	**3,073**	**344**	**12.6**	**35**	**52**	**87**	**34.26**	**n/a**
11-1000	**Top Executives**	**1,006**	**1,161**	**155**	**15.4**	**16**	**19**	**35**	**n/a**	**n/a**
11-1011	Chief Executives	215	256	41	19.1	4	4	8	51.34	4
11-1021	General & Operations Mgrs.	791	905	114	14.4	11	15	26	40.35	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	4
11-2000	**Advertising, Market, Promotions, P.R. & Sales**	**98**	**115**	**17**	**17.3**	**2**	**2**	**4**	**n/a**	**n/a**
11-2011	Advertising & Promotions Mgrs.	*	*	*	*	*	*	*	n/a	4
11-2021	Marketing Mgrs.	*	*	*	*	*	*	*	n/a	4
11-2022	Sales Mgrs.	55	67	12	21.8	1	1	2	40.03	4
11-2031	Public Relations Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3000	**Operations Specialties Mgrs.**	**351**	**404**	**53**	**15.1**	**5**	**6**	**11**	**n/a**	**n/a**
11-3011	Administrative Services Mgrs.	43	47	4	9.3	0	1	1	20.08	4
11-3021	Computer & Information Systems Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3031	Financial Mgrs.	159	183	24	15.1	2	2	4	28.76	4
11-3041	Compensation & Benefits Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3042	Training & Development Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3049	Human Resources Mgrs., All Other	*	*	*	*	*	*	*	n/a	4
11-3051	Industrial Production Mgrs.	*	*	*	*	*	*	*	n/a	8
11-3061	Purchasing Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3071	Transportation, Storage & Distribution Mgrs.	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Management Occupations (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
11-9000	**Other Management Occupations**	**1,274**	**1,393**	**119**	**9.3**	**13**	**26**	**39**	**n/a**	**n/a**
11-9011	Farm, Ranch & Other Agricultural Mgrs.	69	69	0	0.0	0	1	1	n/a	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	105	122	17	16.2	2	2	4	n/a	5
11-9031	Education Admin., Preschool, Child Care Center	*	*	*	*	*	*	*	n/a	4
11-9032	Education Admin., Elem. & Secondary School	127	140	13	10.2	1	3	4	n/a	4
11-9033	Education Admin., Post.	*	*	*	*	*	*	*	n/a	4
11-9039	Education Admin., All Other	*	*	*	*	*	*	*	31.26	4
11-9041	Engineering Mgrs.	44	53	9	20.5	1	1	2	n/a	4
11-9051	Food Service Mgrs.	129	149	20	15.5	2	2	4	16.84	8
11-9061	Funeral Directors	73	75	2	2.7	0	2	2	n/a	6
11-9081	Lodging Mgrs.	*	*	*	*	*	*	*	n/a	8
11-9111	Medical & Health Services Mgrs.	178	214	36	20.2	4	4	8	32.12	4
11-9121	Natural Sciences Mgrs.	*	*	*	*	*	*	*	n/a	4
11-9131	Postmasters & Mail Superintendents	76	73	-3	-3.9	0	1	1	21.23	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	81	77	-4	-4.9	0	2	2	19.12	5
11-9151	Social & Community Service Mgrs.	51	58	7	13.7	1	1	2	16.22	5
11-9199	Mgrs., All Other	257	266	9	3.5	1	5	6	33.68	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Business & Financial Operations Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
13-0000	**Business & Financial Operations Occupations**	**1,088**	**1,234**	**146**	**13.4**	**15**	**20**	**35**	**19.43**	**n/a**
13-1000	**Business Operations Spec.**	**577**	**647**	**70**	**12.1**	**7**	**11**	**18**	**n/a**	**n/a**
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	*	*	*	*	*	*	*	n/a	4
13-1021	Purchasing Agents & Buyers, Farm Products	*	*	*	*	*	*	*	n/a	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	43	49	6	14.0	1	1	2	n/a	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	54	59	5	9.3	1	1	2	19.47	8
13-1031	Claims Adjusters, Examiners & Investigators	30	35	5	16.7	1	0	1	n/a	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	69	74	5	7.2	1	2	3	21.51	9
13-1051	Cost Estimators	55	66	11	20.0	1	1	2	23.95	8
13-1061	Emergency Management Spec.	*	*	*	*	*	*	*	n/a	8
13-1071	Employment, Recruitment & Placement Spec.	39	47	8	20.5	1	1	2	16.52	5
13-1072	Compensation, Benefits & Job Analysis Spec.	*	*	*	*	*	*	*	n/a	5
13-1073	Training & Development Spec.	39	46	7	17.9	1	1	2	n/a	5
13-1079	HR, Training & Labor Relations Spec.	*	*	*	*	*	*	*	19.95	5
13-1081	Logisticians	*	*	*	*	*	*	*	n/a	5
13-1111	Management Analysts	37	39	2	5.4	0	1	1	n/a	4
13-1121	Meeting & Convention Planners	*	*	*	*	*	*	*	n/a	5
13-1199	Business Operations Spec., All Other	143	156	13	9.1	1	2	3	20.11	5
13-2000	**Financial Specialists**	**511**	**587**	**76**	**14.9**	**8**	**9**	**17**	**n/a**	**n/a**
13-2011	Accountants & Auditors	194	228	34	17.5	3	4	7	19.45	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	n/a	7
13-2031	Budget Analysts	*	*	*	*	*	*	*	n/a	5
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	5
13-2051	Financial Analysts	*	*	*	*	*	*	*	n/a	5
13-2052	Personal Financial Advisors	*	*	*	*	*	*	*	n/a	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	5
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	n/a	5
13-2072	Loan Officers	169	189	20	11.8	2	3	5	22.34	5
13-2081	Tax Examiners, Collectors & Revenue Agents	*	*	*	*	*	*	*	n/a	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	n/a	10
13-2099	Financial Spec., All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Computer & Mathematical Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
15-0000	**Computer & Mathematical Occupations**	**291**	**379**	**88**	**30.2**	**9**	**4**	**13**	**18.82**	**n/a**
15-1000	**Computer Specialists**	**289**	**377**	**88**	**30.4**	**9**	**4**	**13**	**n/a**	**n/a**
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	*	*	*	*	*	*	*	n/a	5
15-1031	Computer Software Engineers, Applications	*	*	*	*	*	*	*	n/a	5
15-1032	Computer Software Engineers, Systems Soft.	*	*	*	*	*	*	*	n/a	5
15-1041	Computer Support Spec.	73	85	12	16.4	1	1	2	14.05	6
15-1051	Computer Systems Analysts	34	41	7	20.6	1	0	1	n/a	5
15-1061	Database Admin.	*	*	*	*	*	*	*	n/a	5
15-1071	Network & Computer Systems Admin.	56	77	21	37.5	2	1	3	19.36	5
15-1081	Network Systems & Data Comm. Analysts	44	70	26	59.1	3	1	4	21.41	5
15-1099	Computer Spec., All Other	*	*	*	*	*	*	*	n/a	6
15-2000	**Mathematical Scientists**	*****	*****	*****	*****	*****	*****	*****	**n/a**	**n/a**
15-2011	Actuaries	*	*	*	*	*	*	*	n/a	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Architecture & Engineering Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
17-0000	**Architecture & Engineering Occupations**	**362**	**398**	**36**	**9.9**	**4**	**9**	**13**	**20.07**	**n/a**
17-1000	**Architects, Surveyors & Cartographers**	*	*	*	*	*	*	*	**n/a**	**n/a**
17-1011	Architects, Ex. Landscape & Naval	*	*	*	*	*	*	*	n/a	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	n/a	5
17-1021	Cartographers & Photogrammetrists	*	*	*	*	*	*	*	n/a	5
17-1022	Surveyors	*	*	*	*	*	*	*	15.40	5
17-2000	**Engineers**	**174**	**190**	**16**	**9.2**	**2**	**4**	**6**	**n/a**	**n/a**
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	*	*	*	*	*	*	*	n/a	5
17-2051	Civil Engineers	49	54	5	10.2	1	1	2	n/a	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	5
17-2071	Electrical Engineers	*	*	*	*	*	*	*	n/a	5
17-2072	Electronics Engineers, Ex. Computer	*	*	*	*	*	*	*	n/a	5
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2112	Industrial Engineers	*	*	*	*	*	*	*	n/a	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	5
17-2141	Mechanical Engineers	*	*	*	*	*	*	*	n/a	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	30	30	0	0.0	0	1	1	30.79	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	23.67	5
17-2199	Engineers, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Architecture & Engineering Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
17-3000	**Drafters, Engineering & Mapping Technicians**	**159**	**179**	**20**	**12.6**	**2**	**4**	**6**	**n/a**	**n/a**
17-3011	Architectural & Civil Drafters	*	*	*	*	*	*	*	n/a	7
17-3012	Electrical & Electronics Drafters	*	*	*	*	*	*	*	n/a	7
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	n/a	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	50	57	7	14.0	1	1	2	n/a	6
17-3023	Electrical & Electronic Engineering Technicians	34	42	8	23.5	1	1	2	n/a	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3026	Industrial Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	*	*	*	*	*	*	*	n/a	6
17-3031	Surveying & Mapping Technicians	*	*	*	*	*	*	*	14.01	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Life, Physical & Social Science Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
19-0000	**Life, Physical & Social Science Occupations**	**205**	**224**	**19**	**9.3**	**2**	**5**	**7**	**18.90**	**n/a**
19-1000	**Life Scientists**	**35**	**36**	**1**	**2.9**	**0**	**1**	**1**	**n/a**	**n/a**
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	*	*	*	*	*	*	*	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-1031	Conservation Scientists	*	*	*	*	*	*	*	n/a	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-2000	**Physical Scientists**	*****	*****	*****	*****	*****	*****	*****	**n/a**	**n/a**
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	*	*	*	*	*	*	*	n/a	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	*	*	*	*	*	*	*	n/a	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	*	*	*	*	*	*	*	n/a	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Life, Physical & Social Science Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
19-3000	**Social Scientists & Related Workers**	**100**	**113**	**13**	**13.0**	**1**	**2**	**3**	**n/a**	**n/a**
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3021	Market Research Analysts	*	*	*	*	*	*	*	n/a	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	50	61	11	22.0	1	1	2	24.48	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	n/a	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	n/a	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	3
19-4000	**Life, Physical & Social Science Technicians**	**49**	**51**	**2**	**4.1**	**0**	**1**	**1**	**n/a**	**n/a**
19-4011	Agricultural & Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	n/a	6
19-4031	Chemical Technicians	*	*	*	*	*	*	*	14.25	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	*	*	*	*	*	*	*	n/a	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	*	*	*	*	*	*	*	n/a	6
19-4099	Life, Physical & Social Sci. Tech., All Other	*	*	*	*	*	*	*	n/a	6

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Community & Social Service Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
21-0000	**Community & Social Services Occupations**	**884**	**1,026**	**142**	**16.1**	**14**	**16**	**30**	**14.28**	**n/a**
21-1000	**Counselors, Social Work. & Other Social Serv.**	**877**	**1,019**	**142**	**16.2**	**14**	**16**	**30**	**n/a**	**n/a**
21-1011	Substance Abuse & Behavioral Disorder Couns.	*	*	*	*	*	*	*	n/a	3
21-1012	Educational, Vocational & School Counselors	94	110	16	17.0	2	2	4	17.07	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	*	*	*	*	*	*	*	n/a	3
21-1015	Rehabilitation Counselors	*	*	*	*	*	*	*	n/a	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	13.37	5
21-1022	Medical & Public Health Social Workers	43	53	10	23.3	1	1	2	n/a	5
21-1023	Mental Health & Subst. Abuse Social Workers	*	*	*	*	*	*	*	n/a	3
21-1029	Social Workers, All Other	*	*	*	*	*	*	*	n/a	5
21-1091	Health Educators	*	*	*	*	*	*	*	n/a	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	154	185	31	20.1	3	3	6	10.14	10
21-1099	Community & Social Service Spec., All Other	*	*	*	*	*	*	*	16.52	5
21-2000	**Religious Workers**	*	*	*	*	*	*	*	**n/a**	**n/a**
21-2011	Clergy	*	*	*	*	*	*	*	n/a	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Legal Occupations

Occupational Code	Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
23-0000	**Legal Occupations**	**734**	**849**	**115**	**15.7**	**12**	**7**	**19**	**25.42**	**n/a**
23-1000	**Lawyers, Judges & Related Workers**	**235**	**267**	**32**	**13.6**	**3**	**3**	**6**	**n/a**	**n/a**
23-1011	Lawyers	210	242	32	15.2	3	3	6	36.59	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	n/a	4
23-1023	Judges, Magistrate Judges & Magistrates	*	*	*	*	*	*	*	n/a	4
23-2000	**Legal Support Workers**	**499**	**582**	**83**	**16.6**	**9**	**4**	**13**	**n/a**	**n/a**
23-2011	Paralegals & Legal Assistants	411	497	86	20.9	9	3	12	19.52	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	*	*	*	*	*	*	*	n/a	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	n/a	10
23-2099	Legal Support Workers, All Other	58	54	-4	-6.9	0	1	1	22.54	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Education, Training & Library Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
25-0000	**Education, Training & Library Occupations**	**4,280**	**4,982**	**702**	**16.4**	**70**	**87**	**157**	**15.88**	**n/a**
25-1000	**Postsecondary Teachers**	**328**	**422**	**94**	**28.7**	**9**	**7**	**16**	**n/a**	**n/a**
25-1011	Business Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1021	Computer Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1022	Mathematical Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1042	Biological Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	*	*	*	*	*	*	*	n/a	2
25-1052	Chemistry Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1066	Psychology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1067	Sociology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1072	Nursing Instructors & Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1081	Education Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Education, Training & Library Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
25-1111	Crim. Justice & Law Enforcement Teach., Post.	*	*	*	*	*	*	*	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1122	Communications Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1123	English Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1125	History Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	5
25-1192	Home Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1194	Vocational Education Teachers, Post.	104	132	28	26.9	3	2	5	22.17	4
25-1199	Post. Teachers, All Other	*	*	*	*	*	*	*	n/a	2
25-2000	**Primary, Secondary & Special Ed. Teachers**	**1,992**	**2,257**	**265**	**13.3**	**27**	**44**	**71**	**n/a**	**n/a**
25-2011	Preschool Teachers, Ex. Special Education	179	206	27	15.1	3	2	5	9.75	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	n/a	5
25-2021	Elem. School Teachers, Ex. Special Education	704	795	91	12.9	9	16	25	n/a	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	290	313	23	7.9	2	6	8	n/a	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	422	468	46	10.9	5	12	17	n/a	5
25-2032	Vocational Ed. Teachers, Secondary School	*	*	*	*	*	*	*	n/a	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	125	154	29	23.2	3	3	6	n/a	5
25-2042	Special Education Teachers, Middle School	60	74	14	23.3	1	1	2	n/a	5
25-2043	Special Education Teachers, Secondary School	89	104	15	16.9	2	2	4	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Education, Training & Library Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
25-3000	**Other Teachers & Instructors**	**740**	**909**	**169**	**22.8**	**17**	**9**	**26**	**n/a**	**n/a**
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	81	100	19	23.5	2	1	3	15.16	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	17.73	8
25-3099	Teachers & Instructors, All Other	609	752	143	23.5	14	8	22	n/a	5
25-4000	**Librarians, Curators & Archivists**	**286**	**319**	**33**	**11.5**	**3**	**9**	**12**	**n/a**	**n/a**
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	120	126	6	5.0	1	3	4	21.77	3
25-4031	Library Technicians	*	*	*	*	*	*	*	n/a	7
25-9000	**Other Ed., Training & Library Occupations**	**934**	**1,075**	**141**	**15.1**	**14**	**18**	**32**	**n/a**	**n/a**
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	52	66	14	26.9	1	1	2	30.35	3
25-9041	Teacher Assistants	786	893	107	13.6	11	15	26	n/a	11
25-9099	Education, Training & Library Workers, Other	96	116	20	20.8	2	2	4	13.28	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
27-0000	**Arts, Design, Entertain., Sports & Media Occs.**	**448**	**478**	**30**	**6.7**	**4**	**8**	**12**	**12.45**	**n/a**
27-1000	**Art & Design Workers**	**181**	**199**	**18**	**9.9**	**2**	**3**	**5**	**n/a**	**n/a**
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	4
27-1012	Craft Artists	*	*	*	*	*	*	*	n/a	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	*	*	*	*	*	*	*	n/a	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	n/a	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-1021	Commercial & Industrial Designers	*	*	*	*	*	*	*	n/a	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	61	65	4	6.6	0	1	1	n/a	10
27-1024	Graphic Designers	35	40	5	14.3	1	1	2	n/a	5
27-1025	Interior Designers	*	*	*	*	*	*	*	n/a	6
27-1026	Merchandise Displayers & Window Trimmers	*	*	*	*	*	*	*	15.47	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	n/a	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
27-2000	**Entertainers & Performers, Sports & Related**	**67**	**69**	**2**	**3.0**	**0**	**1**	**1**	**n/a**	**n/a**
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	*	*	*	*	*	*	*	n/a	4
27-2021	Athletes & Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches & Scouts	*	*	*	*	*	*	*	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	*	*	*	*	*	*	*	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	*	*	*	*	*	*	*	n/a	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	33	35	2	6.1	0	1	1	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	*	*	*	*	*	*	*	n/a	9

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
27-3000	**Media & Communication Workers**	**141**	**144**	**3**	**2.1**	**1**	**3**	**4**	**n/a**	**n/a**
27-3011	Radio & Television Announcers	*	*	*	*	*	*	*	n/a	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	n/a	9
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	4
27-3022	Reporters & Correspondents	*	*	*	*	*	*	*	n/a	4
27-3031	Public Relations Spec.	51	56	5	9.8	1	1	2	n/a	5
27-3041	Editors	*	*	*	*	*	*	*	n/a	5
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	5
27-3043	Writers & Authors	*	*	*	*	*	*	*	n/a	5
27-3091	Interpreters & Translators	*	*	*	*	*	*	*	n/a	9
27-3099	Media & Communication Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-4000	**Media & Communication Equipment Workers**	**59**	**66**	**7**	**11.9**	**1**	**1**	**2**	**n/a**	**n/a**
27-4011	Audio & Video Equipment Technicians	*	*	*	*	*	*	*	n/a	9
27-4012	Broadcast Technicians	*	*	*	*	*	*	*	n/a	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	7
27-4021	Photographers	*	*	*	*	*	*	*	n/a	9
27-4031	Camera Operators, TV, Video & Motion Picture	*	*	*	*	*	*	*	n/a	10
27-4032	Film & Video Editors	*	*	*	*	*	*	*	n/a	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Healthcare Practitioners & Technical Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
29-0000	**Healthcare Practitioners & Technical Occs.**	**3,264**	**3,864**	**600**	**18.4**	**60**	**62**	**122**	**22.21**	**n/a**
29-1000	**Health Diagnosing & Treating Practitioners**	**1,770**	**2,166**	**396**	**22.4**	**40**	**35**	**75**	**n/a**	**n/a**
29-1011	Chiropractors	*	*	*	*	*	*	*	n/a	1
29-1021	Dentists, General	62	63	1	1.6	0	1	1	n/a	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	*	*	*	*	*	*	*	n/a	5
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	134	160	26	19.4	3	3	6	43.04	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	n/a	1
29-1062	Anesthesiologists	46	50	4	8.7	0	1	1	96.14	1
29-1063	Family & General Practitioners	*	*	*	*	*	*	*	n/a	1
29-1064	Internists, General	60	67	7	11.7	1	1	2	n/a	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	n/a	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	n/a	1
29-1067	Psychiatrists	*	*	*	*	*	*	*	n/a	1
29-1069	Surgeons	33	37	4	12.1	0	0	0	n/a	1
29-1071	Physician Assistants	92	128	36	39.1	4	1	5	40.05	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	1,064	1,336	272	25.6	27	22	49	21.83	6
29-1121	Audiologists	*	*	*	*	*	*	*	n/a	1
29-1122	Occupational Therapists	31	38	7	22.6	1	0	1	28.34	3
29-1123	Physical Therapists	52	62	10	19.2	1	1	2	31.56	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	5
29-1126	Respiratory Therapists	39	48	9	23.1	1	1	2	n/a	6
29-1127	Speech-Language Pathologists	54	60	6	11.1	1	1	2	19.88	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	n/a	5
29-1131	Veterinarians	*	*	*	*	*	*	*	n/a	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Healthcare Practitioners & Tech. Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
29-2000	**Health Technologists & Technicians**	**1,369**	**1,574**	**205**	**15.0**	**21**	**25**	**46**	**n/a**	**n/a**
29-2011	Medical & Clinical Laboratory Technologists	75	86	11	14.7	1	2	3	19.43	5
29-2012	Medical & Clinical Laboratory Technicians	39	46	7	17.9	1	1	2	16.11	6
29-2021	Dental Hygienists	42	52	10	23.8	1	0	1	n/a	6
29-2031	Cardiovascular Technologists & Technicians	38	46	8	21.1	1	1	2	n/a	6
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	n/a	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	6
29-2034	Radiologic Technologists & Technicians	126	150	24	19.0	2	2	4	19.75	6
29-2041	Emergency Medical Technicians & Paramedics	116	149	33	28.4	3	1	4	11.38	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	n/a	10
29-2052	Pharmacy Technicians	222	259	37	16.7	4	3	7	9.89	10
29-2053	Psychiatric Technicians	*	*	*	*	*	*	*	n/a	10
29-2054	Respiratory Therapy Technicians	50	51	1	2.0	0	1	1	15.74	6
29-2055	Surgical Technologists	40	49	9	22.5	1	1	2	n/a	7
29-2056	Veterinary Technologists & Technicians	*	*	*	*	*	*	*	9.21	6
29-2061	Licensed Practical & Licensed Voc. Nurses	491	537	46	9.4	5	11	16	13.71	7
29-2071	Medical Records & Health Info. Technicians	67	79	12	17.9	1	1	2	11.73	6
29-2081	Opticians, Dispensing	*	*	*	*	*	*	*	17.37	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	n/a	5
29-2099	Health Technologists & Technicians, All Other	*	*	*	*	*	*	*	n/a	7
29-9000	**Other Healthcare Practitioners & Tech. Occs.**	**125**	**124**	**-1**	**-0.8**	**0**	**3**	**3**	**n/a**	**n/a**
29-9011	Occupational Health & Safety Spec.	*	*	*	*	*	*	*	n/a	5
29-9012	Occupational Health & Safety Technicians	86	82	-4	-4.7	0	2	2	31.82	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Healthcare Support Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
31-0000	**Healthcare Support Occupations**	**1,688**	**2,087**	**399**	**23.6**	**40**	**28**	**68**	**9.18**	**n/a**
31-1000	**Nursing, Psychiatric & Home Health Aides**	**889**	**1,075**	**186**	**20.9**	**19**	**12**	**31**	**n/a**	**n/a**
31-1011	Home Health Aides	130	182	52	40.0	5	2	7	9.47	11
31-1012	Nursing Aides, Orderlies & Attendants	758	892	134	17.7	13	10	23	8.47	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	11
31-2000	**Occupational & Phys. Therapist Assist. & Aides**	**39**	**49**	**10**	**25.6**	**1**	**1**	**2**	**n/a**	**n/a**
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-9000	**Other Healthcare Support Occupations**	**760**	**963**	**203**	**26.7**	**20**	**15**	**35**	**n/a**	**n/a**
31-9011	Massage Therapists	*	*	*	*	*	*	*	n/a	7
31-9091	Dental Assistants	113	139	26	23.0	3	3	6	n/a	10
31-9092	Medical Assistants	438	582	144	32.9	14	8	22	9.11	10
31-9093	Medical Equipment Preparers	*	*	*	*	*	*	*	n/a	11
31-9094	Medical Transcriptionists	91	106	15	16.5	2	2	4	10.79	7
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	n/a	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	11
31-9099	Healthcare Support Workers, All Other	63	72	9	14.3	1	1	2	10.29	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Protective Service Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
33-0000	**Protective Service Occupations**	**1,017**	**1,156**	**139**	**13.7**	**15**	**28**	**43**	**13.90**	**n/a**
33-1000	**Mgrs., Protective Service Workers**	**110**	**130**	**20**	**18.2**	**2**	**3**	**5**	**n/a**	**n/a**
33-1011	Mgrs. of Correctional Officers	59	69	10	16.9	1	2	3	17.20	8
33-1012	Mgrs. of Police & Detectives	31	38	7	22.6	1	1	2	n/a	8
33-1021	Mgrs. of Fire Fighting & Prevent	*	*	*	*	*	*	*	n/a	8
33-1099	Mgrs. of Protective Service Workers, Other	*	*	*	*	*	*	*	n/a	8
33-2000	**Fire Fighting & Prevention Workers**	**60**	**79**	**19**	**31.7**	**2**	**2**	**4**	**n/a**	**n/a**
33-2011	Fire Fighters	56	75	19	33.9	2	2	4	n/a	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	n/a	8
33-2022	Forest Fire Inspectors & Prevention Spec.	*	*	*	*	*	*	*	n/a	8
33-3000	**Law Enforcement Workers**	**628**	**727**	**99**	**15.8**	**10**	**14**	**24**	**n/a**	**n/a**
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	10
33-3012	Correctional Officers & Jailers	451	521	70	15.5	7	9	16	*	10
33-3021	Detectives & Criminal Investigators	*	*	*	*	*	*	*	n/a	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	11
33-3051	Police & Sheriff's Patrol Officers	147	173	26	17.7	3	4	7	12.71	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	**Other Protective Service Workers**	**219**	**220**	**1**	**0.5**	**1**	**9**	**10**	**n/a**	**n/a**
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	10
33-9021	Private Detectives & Investigators	*	*	*	*	*	*	*	n/a	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	131	124	-7	-5.3	0	3	3	8.77	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	n/a	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	*	*	*	*	*	*	*	n/a	11
33-9099	Protective Service Workers, All Other	60	65	5	8.3	1	4	5	17.01	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Food Preparation & Serving Related Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
35-0000	**Food Preparation & Serving Related Occs.**	**3,823**	**4,417**	**594**	**15.5**	**59**	**146**	**205**	**7.53**	**n/a**
35-1000	**Supervisors, Food Prep. & Serving Workers**	**413**	**481**	**68**	**16.5**	**7**	**10**	**17**	**n/a**	**n/a**
35-1011	Chefs & Head Cooks	*	*	*	*	*	*	*	n/a	8
35-1012	Mgrs. of Food Preparation & Serving Workers	399	467	68	17.0	7	10	17	13.32	8
35-2000	**Cooks & Food Preparation Workers**	**1,349**	**1,519**	**170**	**12.6**	**17**	**44**	**61**	**n/a**	**n/a**
35-2011	Cooks, Fast Food	324	377	53	16.4	5	10	15	7.59	11
35-2012	Cooks, Institution & Cafeteria	433	441	8	1.8	1	13	14	7.79	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	111	132	21	18.9	2	3	5	8.10	9
35-2015	Cooks, Short Order	75	87	12	16.0	1	2	3	6.75	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	406	482	76	18.7	8	14	22	7.30	11
35-3000	**Food & Beverage Serving Workers**	**1,868**	**2,192**	**324**	**17.3**	**32**	**86**	**118**	**n/a**	**n/a**
35-3011	Bartenders	38	42	4	10.5	0	2	2	n/a	11
35-3021	Combined Food Prep. & Serving Workers	1,297	1,531	234	18.0	23	56	79	6.50	11
35-3022	Counter Attend., Cafeteria & Food Concession	98	117	19	19.4	2	6	8	6.59	11
35-3031	Waiters & Waitresses	403	467	64	15.9	6	21	27	6.21	11
35-3041	Food Servers, Nonrestaurant	32	35	3	9.4	0	1	1	n/a	11
35-9000	**Other Food Prep. & Serving Related Workers**	**193**	**225**	**32**	**16.6**	**3**	**6**	**9**	**n/a**	**n/a**
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	44	51	7	15.9	1	2	3	6.84	11
35-9021	Dishwashers	119	138	19	16.0	2	4	6	6.46	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	*	*	*	*	*	*	*	7.85	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Building, Grounds Cleaning & Maintenance Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
37-0000	**Building & Grounds Cleaning & Maint. Occs.**	**1,516**	**1,734**	**218**	**14.4**	**22**	**30**	**52**	**9.65**	**n/a**
37-1000	**Sprvisors., Bldg. & Grounds Cleaning Workers**	**116**	**132**	**16**	**13.8**	**2**	**2**	**4**	**n/a**	**n/a**
37-1011	Mgrs. of Housekeeping & Janitorial Workers	84	96	12	14.3	1	2	3	12.35	8
37-1012	Mgrs. of Landscaping, Lawn Service	32	36	4	12.5	0	0	0	n/a	8
37-2000	**Building Cleaning & Pest Control Workers**	**1,245**	**1,429**	**184**	**14.8**	**18**	**24**	**42**	**n/a**	**n/a**
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	834	979	145	17.4	15	16	31	8.30	11
37-2012	Maids & Housekeeping Cleaners	405	444	39	9.6	4	9	13	7.63	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	n/a	10
37-3000	**Grounds Maintenance Workers**	**155**	**173**	**18**	**11.6**	**2**	**3**	**5**	**n/a**	**n/a**
37-3011	Landscaping & Groundskeeping Workers	143	161	18	12.6	2	3	5	17.37	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	n/a	10
37-3013	Tree Trimmers & Pruners	*	*	*	*	*	*	*	n/a	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Personal Care & Service Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
39-0000	**Personal Care & Service Occupations**	**1,027**	**1,214**	**187**	**18.2**	**19**	**25**	**44**	**8.65**	**n/a**
39-1000	**Supervisors, Personal Care & Service Workers**	**45**	**53**	**8**	**17.8**	**1**	**1**	**2**	**n/a**	**n/a**
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	45	53	8	17.8	1	1	2	15.12	8
39-2000	**Animal Care & Service Workers**	*****	*****	*****	*****	*****	*****	*****	**n/a**	**n/a**
39-2011	Animal Trainers	*	*	*	*	*	*	*	n/a	10
39-2021	Nonfarm Animal Caretakers	*	*	*	*	*	*	*	n/a	11
39-3000	**Entertainment Attendants & Related Workers**	**83**	**99**	**16**	**19.3**	**2**	**3**	**5**	**n/a**	**n/a**
39-3012	Gaming & Sports Book Writers & Runners	*	*	*	*	*	*	*	n/a	11
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	n/a	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	*	*	*	*	*	*	*	n/a	11
39-3091	Amusement & Recreation Attendants	*	*	*	*	*	*	*	n/a	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	*	*	*	*	*	*	*	n/a	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	7.60	10
39-4000	**Funeral Service Workers**	*****	*****	*****	*****	*****	*****	*****	**n/a**	**n/a**
39-4011	Embalmers	*	*	*	*	*	*	*	n/a	7
39-4021	Funeral Attendants	*	*	*	*	*	*	*	n/a	11
39-5000	**Personal Appearance Workers**	**177**	**208**	**31**	**17.5**	**3**	**3**	**6**	**n/a**	**n/a**
39-5011	Barbers	*	*	*	*	*	*	*	n/a	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	172	203	31	18.0	3	3	6	10.19	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	*	*	*	*	*	*	*	n/a	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	**Transportation, Tourism & Lodging Attendants**	*****	*****	*****	*****	*****	*****	*****	**n/a**	**n/a**
39-6011	Baggage Porters & Bellhops	*	*	*	*	*	*	*	n/a	11
39-6012	Concierges	*	*	*	*	*	*	*	n/a	10
39-6021	Tour Guides & Escorts	*	*	*	*	*	*	*	n/a	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Personal Care & Service Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
39-9000	**Other Personal Care & Service Workers**	**618**	**737**	**119**	**19.3**	**12**	**16**	**28**	**n/a**	**n/a**
39-9011	Child Care Workers	454	532	78	17.2	8	12	20	7.02	11
39-9021	Personal & Home Care Aides	77	104	27	35.1	3	1	4	n/a	11
39-9031	Fitness Trainers & Aerobics Instructors	*	*	*	*	*	*	*	n/a	7
39-9032	Recreation Workers	60	69	9	15.0	1	1	2	8.78	11
39-9041	Residential Advisors	*	*	*	*	*	*	*	8.86	10
39-9099	Personal Care & Service Workers, All Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Sales & Related Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
41-0000	**Sales & Related Occupations**	**6,363**	**6,906**	**543**	**8.5**	**57**	**217**	**274**	**10.20**	**n/a**
41-1000	**Supervisors, Sales Workers**	**1,333**	**1,447**	**114**	**8.6**	**11**	**24**	**35**	**n/a**	**n/a**
41-1011	Mgrs. of Retail Sales Workers	1,192	1,296	104	8.7	10	21	31	12.07	8
41-1012	Mgrs. of Non-Retail Sales Workers	141	151	10	7.1	1	3	4	18.16	8
41-2000	**Retail Sales Workers**	**4,050**	**4,350**	**300**	**7.4**	**32**	**171**	**203**	**n/a**	**n/a**
41-2011	Cashiers	1,991	2,094	103	5.2	10	97	107	6.64	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	116	140	24	20.7	2	4	6	9.74	11
41-2022	Parts Salespersons	125	109	-16	-12.8	0	4	4	11.26	10
41-2031	Retail Salespersons	1,818	2,007	189	10.4	19	66	85	8.99	11
41-3000	**Sales Representatives, Services**	**303**	**350**	**47**	**15.5**	**5**	**6**	**11**	**n/a**	**n/a**
41-3011	Advertising Sales Agents	37	39	2	5.4	0	1	1	n/a	10
41-3021	Insurance Sales Agents	132	152	20	15.2	2	3	5	13.64	5
41-3031	Securities, Commodities & Financial Serv. Sales	*	*	*	*	*	*	*	n/a	5
41-3041	Travel Agents	*	*	*	*	*	*	*	n/a	7
41-3099	Sales Representatives, Services, All Other	114	137	23	20.2	2	2	4	19.98	10
41-4000	**Sales Reps., Wholesale & Manufacturing**	**329**	**385**	**56**	**17.0**	**6**	**9**	**15**	**n/a**	**n/a**
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	53	61	8	15.1	1	1	2	41.97	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	276	324	48	17.4	5	7	12	28.65	10
41-9000	**Other Sales & Related Workers**	**348**	**374**	**26**	**7.5**	**3**	**7**	**10**	**n/a**	**n/a**
41-9011	Demonstrators & Product Promoters	*	*	*	*	*	*	*	n/a	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	8
41-9022	Real Estate Sales Agents	201	217	16	8.0	2	4	6	n/a	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	n/a	5
41-9041	Telemarketers	37	31	-6	-16.2	0	1	1	n/a	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	*	*	*	*	*	*	*	20.69	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Office & Administrative Support Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
43-0000	**Office & Administrative Support Occupations**	**7,523**	**7,601**	**78**	**1.0**	**38**	**179**	**217**	**10.76**	**n/a**
43-1000	**Supervisors, Office & Admin. Support Workers**	**524**	**544**	**20**	**3.8**	**2**	**11**	**13**	**n/a**	**n/a**
43-1011	Mgrs. of Office & Admin. Support Workers	524	544	20	3.8	2	11	13	15.14	8
43-2000	**Communications Equipment Operators**	**43**	**39**	**-4**	**-9.3**	**0**	**1**	**1**	**n/a**	**n/a**
43-2011	Switchboard Operators, Incl. Answering Service	42	38	-4	-9.5	0	1	1	9.20	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
43-3000	**Financial Clerks**	**1,550**	**1,641**	**91**	**5.9**	**10**	**38**	**48**	**n/a**	**n/a**
43-3011	Bill & Account Collectors	163	194	31	19.0	3	3	6	11.05	11
43-3021	Billing & Posting Clerks & Machine Operators	412	405	-7	-1.7	0	7	7	11.50	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	592	610	18	3.0	2	11	13	11.65	10
43-3051	Payroll & Timekeeping Clerks	72	88	16	22.2	2	2	4	13.35	10
43-3061	Procurement Clerks	*	*	*	*	*	*	*	13.74	11
43-3071	Tellers	287	320	33	11.5	3	14	17	8.94	11
43-4000	**Information & Record Clerks**	**1,461**	**1,573**	**112**	**7.7**	**19**	**33**	**52**	**n/a**	**n/a**
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	n/a	10
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	n/a	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	n/a	11
43-4041	Credit Authorizers, Checkers & Clerks	*	*	*	*	*	*	*	n/a	11
43-4051	Customer Service Representatives	324	398	74	22.8	7	5	12	10.04	10
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	n/a	10
43-4071	File Clerks	70	39	-31	-44.3	0	2	2	8.36	11
43-4081	Hotel, Motel & Resort Desk Clerks	80	84	4	5.0	0	4	4	n/a	11
43-4111	Interviewers, Ex. Eligibility & Loan	100	117	17	17.0	2	3	5	n/a	11
43-4121	Library Assistants, Clerical	*	*	*	*	*	*	*	10.22	11
43-4131	Loan Interviewers & Clerks	86	89	3	3.5	0	1	1	n/a	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	8
43-4151	Order Clerks	91	65	-26	-28.6	0	2	2	10.58	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	*	*	*	*	*	*	*	13.41	11
43-4171	Receptionists & Information Clerks	467	531	64	13.7	6	12	18	8.55	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	n/a	11
43-4199	Information & Record Clerks, All Other	84	72	-12	-14.3	0	1	1	12.96	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Office & Administrative Support Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
43-5000	**Material Recording, Dispatching & Distributing**	**1,491**	**1,376**	**-115**	**-7.7**	**2**	**46**	**48**	**n/a**	**n/a**
43-5011	Cargo & Freight Agents	*	*	*	*	*	*	*	n/a	10
43-5021	Couriers & Messengers	200	184	-16	-8.0	0	5	5	8.53	11
43-5031	Police, Fire & Ambulance Dispatchers	56	66	10	17.9	1	1	2	9.73	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	73	69	-4	-5.5	0	2	2	12.43	10
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	n/a	11
43-5051	Postal Service Clerks	41	39	-2	-4.9	0	1	1	21.21	11
43-5052	Postal Service Mail Carriers	88	84	-4	-4.5	0	3	3	20.04	11
43-5053	Postal Service Mail Sorters & Processors	57	55	-2	-3.5	0	2	2	14.16	11
43-5061	Production, Planning & Expediting Clerks	*	*	*	*	*	*	*	n/a	11
43-5071	Shipping, Receiving & Traffic Clerks	122	122	0	0.0	0	3	3	13.30	11
43-5081	Stock Clerks & Order Fillers	740	663	-77	-10.4	0	27	27	8.59	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	36	33	-3	-8.3	0	1	1	n/a	11
43-6000	**Secretaries & Administrative Assistants**	**1,347**	**1,340**	**-7**	**-0.5**	**4**	**26**	**30**	**n/a**	**n/a**
43-6011	Executive Secretaries & Admin. Assistants	427	456	29	6.8	3	8	11	14.85	10
43-6012	Legal Secretaries	117	124	7	6.0	1	2	3	14.19	7
43-6013	Medical Secretaries	60	63	3	5.0	0	1	1	n/a	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	743	697	-46	-6.2	0	14	14	9.35	10
43-9000	**Other Office & Administrative Support Workers**	**1,107**	**1,088**	**-19**	**-1.7**	**2**	**25**	**27**	**n/a**	**n/a**
43-9011	Computer Operators	*	*	*	*	*	*	*	n/a	10
43-9021	Data Entry Keyers	57	56	-1	-1.8	0	1	1	8.29	10
43-9022	Word Processors & Typists	67	61	-6	-9.0	0	2	2	n/a	10
43-9031	Desktop Publishers	*	*	*	*	*	*	*	n/a	7
43-9041	Insurance Claims & Policy Processing Clerks	*	*	*	*	*	*	*	n/a	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	n/a	11
43-9061	Office Clerks, General	855	869	14	1.6	1	19	20	9.00	11
43-9071	Office Machine Operators, Ex. Computer	*	*	*	*	*	*	*	n/a	11
43-9081	Proofreaders & Copy Markers	*	*	*	*	*	*	*	n/a	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Administrative Support Workers, Other	35	38	3	8.6	0	1	1	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Farming, Fishing & Forestry Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
45-0000	**Farming, Fishing & Forestry Occupations**	**286**	**261**	**-25**	**-8.7**	**0**	**8**	**8**	**n/a**	**n/a**
45-1000	**Supervisors, Farming, Fishing & Forestry Work.**	*	*	*	*	*	*	*	**n/a**	**n/a**
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	*	*	*	*	*	*	*	n/a	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	**Agricultural Workers**	**235**	**210**	**-25**	**-10.6**	**0**	**7**	**7**	**n/a**	**n/a**
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	8
45-2021	Animal Breeders	*	*	*	*	*	*	*	n/a	11
45-2041	Graders & Sorters, Agricultural Products	*	*	*	*	*	*	*	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	181	161	-20	-11.1	0	5	5	n/a	11
45-2093	Farmworkers, Farm & Ranch Animals	*	*	*	*	*	*	*	n/a	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
45-3000	**Fishing & Hunting Workers**	*	*	*	*	*	*	*	**n/a**	**n/a**
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
45-4000	**Forest, Conservation & Logging Workers**	**35**	**33**	**-2**	**-5.7**	**0**	**1**	**1**	**n/a**	**10**
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-4023	Log Graders & Scalers	*	*	*	*	*	*	*	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Construction & Extraction Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
47-0000	**Construction & Extraction Occupations**	**6,109**	**6,944**	**835**	**13.7**	**86**	**132**	**218**	**15.81**	**8**
47-1000	**Supervisors, Construction & Extraction Workers**	**931**	**1,086**	**155**	**16.6**	**16**	**16**	**32**	**n/a**	**n/a**
47-1011	Mgrs. of Constr. Trades & Extraction Workers	931	1,086	155	16.6	16	16	32	26.31	9
47-2000	**Construction Trades Workers**	**3,231**	**3,667**	**436**	**13.5**	**44**	**68**	**112**	**n/a**	**n/a**
47-2011	Boilermakers	*	*	*	*	*	*	*	n/a	9
47-2021	Brickmasons & Blockmasons	*	*	*	*	*	*	*	17.16	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	298	340	42	14.1	4	5	9	15.07	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	n/a	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	n/a	10
47-2051	Cement Masons & Concrete Finishers	32	35	3	9.4	0	1	1	12.26	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	610	626	16	2.6	2	8	10	9.75	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	*	*	*	*	*	*	*	n/a	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	1,436	1,718	282	19.6	28	37	65	14.42	10
47-2081	Drywall & Ceiling Tile Installers	*	*	*	*	*	*	*	n/a	10
47-2082	Tapers	*	*	*	*	*	*	*	n/a	9
47-2111	Electricians	443	487	44	9.9	4	9	13	19.81	9
47-2121	Glaziers	*	*	*	*	*	*	*	n/a	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	*	*	*	*	*	*	*	n/a	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	10
47-2141	Painters, Construction & Maintenance	54	62	8	14.8	1	1	2	n/a	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	66	74	8	12.1	1	2	3	n/a	9
47-2152	Plumbers, Pipefitters & Steamfitters	98	112	14	14.3	1	2	3	12.49	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	*	*	*	*	*	*	*	n/a	10
47-2181	Roofers	*	*	*	*	*	*	*	n/a	9
47-2211	Sheet Metal Workers	*	*	*	*	*	*	*	n/a	10
47-2221	Structural Iron & Steel Workers	*	*	*	*	*	*	*	n/a	9

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Construction & Extraction Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
47-3000	**Helpers, Construction Trades**	**81**	**88**	**7**	**8.6**	**1**	**4**	**5**	**n/a**	**n/a**
47-3011	Helpers--Brick, Block, Stone & Tile Setters	*	*	*	*	*	*	*	n/a	11
47-3012	Helpers--Carpenters	*	*	*	*	*	*	*	n/a	11
47-3013	Helpers--Electricians	*	*	*	*	*	*	*	10.08	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	n/a	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	*	*	*	*	*	*	*	12.18	11
47-3016	Helpers--Roofers	*	*	*	*	*	*	*	n/a	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	n/a	11
47-4000	**Other Construction & Related Workers**	**193**	**239**	**46**	**23.8**	**5**	**3**	**8**	**n/a**	**n/a**
47-4011	Construction & Building Inspectors	*	*	*	*	*	*	*	13.08	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	n/a	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	10
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	n/a	10
47-4051	Highway Maintenance Workers	124	158	34	27.4	3	2	5	9.20	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	n/a	10
47-5000	**Extraction Workers**	**1,673**	**1,864**	**191**	**11.4**	**22**	**42**	**64**	**n/a**	**n/a**
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	61	75	14	23.0	1	2	3	12.66	10
47-5021	Earth Drillers, Ex. Oil & Gas	150	179	29	19.3	3	3	6	16.51	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	40	47	7	17.5	1	2	3	n/a	10
47-5041	Continuous Mining Machine Operators	171	199	28	16.4	3	5	8	17.37	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	438	413	-25	-5.7	0	8	8	16.91	10
47-5071	Roustabouts, Oil & Gas	55	66	11	20.0	1	2	3	15.77	10
47-5081	Helpers--Extraction Workers	468	532	64	13.7	6	13	19	13.82	11
47-5099	Extraction Workers, All Other	155	181	26	16.8	3	4	7	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Installation, Maintenance & Repair Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
49-0000	**Installation, Maintenance & Repair Occupations**	**2,613**	**2,877**	**264**	**10.1**	**28**	**61**	**89**	**16.47**	**n/a**
49-1000	**Supervisors of Installation, Maint. & Repair**	**285**	**318**	**33**	**11.6**	**3**	**7**	**10**	**n/a**	**n/a**
49-1011	Mgrs. of Mechanics, Installers & Repairers	285	318	33	11.6	3	7	10	26.51	8
49-2000	**Electric. & Electron. Equip. Mechanics, Installer**	**176**	**191**	**15**	**8.5**	**2**	**4**	**6**	**n/a**	**n/a**
49-2011	Computer, Auto. Teller & Office Machine Repairer	*	*	*	*	*	*	*	n/a	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	n/a	7
49-2022	Telecomm. Equip. Installers & Repairers	86	97	11	12.8	1	2	3	15.07	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	7
49-2092	Electric Motor, Power Tool & Related Repairers	*	*	*	*	*	*	*	n/a	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	*	*	*	*	*	*	*	n/a	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	*	*	*	*	*	*	*	n/a	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	n/a	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	*	*	*	*	*	*	*	n/a	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	n/a	7
49-3000	**Vehicle & Mobile Equip. Mechanics, Installers**	**874**	**968**	**94**	**10.8**	**10**	**23**	**33**	**n/a**	**n/a**
49-3011	Aircraft Mechanics & Service Technicians	*	*	*	*	*	*	*	n/a	7
49-3021	Automotive Body & Related Repairers	33	35	2	6.1	0	1	1	10.68	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	n/a	9
49-3023	Automotive Service Technicians & Mechanics	279	315	36	12.9	4	7	11	14.68	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	167	190	23	13.8	2	4	6	14.95	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	n/a	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	265	293	28	10.6	3	6	9	16.86	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	*	*	*	*	*	*	*	n/a	9
49-3052	Motorcycle Mechanics	31	35	4	12.9	0	1	1	10.66	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	*	*	*	*	*	*	*	n/a	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	9
49-3093	Tire Repairers & Changers	78	78	0	0.0	0	3	3	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Installation, Maintenance & Repair Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
49-9000	**Other Installation, Maintenance & Repair Occs.**	**1,278**	**1,400**	**122**	**9.5**	**13**	**28**	**41**	**n/a**	**n/a**
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	*	*	*	*	*	*	*	n/a	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	53	64	11	20.8	1	1	2	15.46	9
49-9031	Home Appliance Repairers	*	*	*	*	*	*	*	n/a	9
49-9041	Industrial Machinery Mechanics	173	181	8	4.6	1	4	5	19.34	9
49-9042	Maintenance & Repair Workers, General	569	625	56	9.8	6	11	17	12.58	10
49-9043	Maintenance Workers, Machinery	166	192	26	15.7	3	4	7	14.99	11
49-9044	Millwrights	*	*	*	*	*	*	*	n/a	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	63	59	-4	-6.3	0	2	2	n/a	9
49-9052	Telecommunications Line Installers & Repairers	47	62	15	31.9	2	1	3	n/a	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	n/a	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	n/a	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	*	*	*	*	*	*	*	n/a	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	*	*	*	*	*	*	*	n/a	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	n/a	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	48	54	6	12.5	1	2	3	9.16	11
49-9099	Installation, Maint. & Repair Workers, All Other	71	72	1	1.4	0	2	2	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Production Occupations

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
51-0000	**Production Occupations**	**2,355**	**2,514**	**159**	**6.8**	**21**	**60**	**81**	**15.13**	**n/a**
51-1000	**Supervisors, Production Workers**	**180**	**193**	**13**	**7.2**	**1**	**4**	**5**	**n/a**	**n/a**
51-1011	Mgrs. of Production & Operating	180	193	13	7.2	1	4	5	24.01	8
51-2000	**Assemblers & Fabricators**	**372**	**392**	**20**	**5.4**	**2**	**9**	**11**	**n/a**	**n/a**
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	*	*	*	*	*	*	*	n/a	9
51-2021	Coil Winders, Tapers & Finishers	*	*	*	*	*	*	*	n/a	11
51-2022	Electrical & Electronic Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2031	Engine & Other Machine Assemblers	*	*	*	*	*	*	*	n/a	11
51-2041	Structural Metal Fabricators & Fitters	*	*	*	*	*	*	*	n/a	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	n/a	10
51-2092	Team Assemblers	260	272	12	4.6	1	7	8	n/a	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	12.96	10
51-3000	**Food Processing Workers**	**132**	**141**	**9**	**6.8**	**1**	**3**	**4**	**n/a**	**n/a**
51-3011	Bakers	*	*	*	*	*	*	*	n/a	9
51-3021	Butchers & Meat Cutters	81	86	5	6.2	1	2	3	8.89	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	*	*	*	*	*	*	*	n/a	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	*	*	*	*	*	*	*	n/a	11
51-3092	Food Batchmakers	*	*	*	*	*	*	*	n/a	11
51-3093	Food Cooking Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	11
51-4000	**Metal Workers & Plastic Workers**	**415**	**442**	**27**	**6.5**	**3**	**11**	**14**	**n/a**	**n/a**
51-4011	Computer-Controlled Machine Tool Operators	*	*	*	*	*	*	*	n/a	10
51-4012	Numerical Tool & Process Control Programmers	*	*	*	*	*	*	*	n/a	9
51-4021	Extruding & Drawing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4022	Forging Machine SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4023	Rolling Machine SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Production Occupations (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
51-4031	Cutting, Punching & Press Machine SOT^	*	*	*	*	*	*	*	11.22	10
51-4032	Drilling & Boring Machine Tool SOT^	*	*	*	*	*	*	*	n/a	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	*	*	*	*	*	*	*	n/a	10
51-4034	Lathe & Turning Machine Tool SOT^	*	*	*	*	*	*	*	n/a	10
51-4035	Milling & Planing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4041	Machinists	94	105	11	11.7	1	2	3	n/a	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4111	Tool & Die Makers	*	*	*	*	*	*	*	n/a	9
51-4121	Welders, Cutters, Solderers & Brazers	224	242	18	8.0	2	6	8	12.82	9
51-4122	Welding, Soldering & Brazing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4192	Lay-Out Workers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4193	Plating & Coating Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4194	Tool Grinders, Filers & Sharpeners	*	*	*	*	*	*	*	n/a	10
51-4199	Metal Workers & Plastic Workers, All Other	*	*	*	*	*	*	*	n/a	10
51-5000	**Printing Workers**	**44**	**40**	**-4**	**-9.1**	**0**	**1**	**1**	**n/a**	**n/a**
51-5011	Bindery Workers	*	*	*	*	*	*	*	n/a	11
51-5012	Bookbinders	*	*	*	*	*	*	*	n/a	10
51-5021	Job Printers	*	*	*	*	*	*	*	n/a	9
51-5022	Prepress Technicians & Workers	*	*	*	*	*	*	*	n/a	7
51-5023	Printing Machine Operators	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Production Occupations (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
51-6000	**Textile, Apparel & Furnishings Workers**	**128**	**126**	**-2**	**-1.6**	**1**	**3**	**4**	**n/a**	**n/a**
51-6011	Laundry & Dry-Cleaning Workers	44	51	7	15.9	1	1	2	7.29	10
51-6021	Pressers, Textile, Garment & Related Materials	*	*	*	*	*	*	*	n/a	11
51-6031	Sewing Machine Operators	*	*	*	*	*	*	*	n/a	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	n/a	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	n/a	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6063	Textile Knitting & Weaving Machine SOT^	*	*	*	*	*	*	*	n/a	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
51-7000	**Woodworkers**	**31**	**32**	**1**	**3.2**	**0**	**1**	**1**	**n/a**	**n/a**
51-7011	Cabinetmakers & Bench Carpenters	*	*	*	*	*	*	*	n/a	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	*	*	*	*	*	*	*	n/a	10
51-7042	Woodworking Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Production Occupations (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
51-8000	**Plant & System Operators**	**154**	**166**	**12**	**7.8**	**2**	**5**	**7**	**n/a**	**n/a**
51-8012	Power Distributors & Dispatchers	*	*	*	*	*	*	*	n/a	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8021	Stationary Engineers & Boiler Operators	*	*	*	*	*	*	*	n/a	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	71	83	12	16.9	1	2	3	n/a	9
51-8091	Chemical Plant & System Operators	*	*	*	*	*	*	*	n/a	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	n/a	9
51-8099	Plant & System Operators, All Other	*	*	*	*	*	*	*	n/a	9
51-9000	**Other Production Occupations**	**899**	**982**	**83**	**9.2**	**10**	**23**	**33**	**n/a**	**n/a**
51-9011	Chemical Equipment Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	31	36	5	16.1	1	1	2	16.58	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	n/a	10
51-9022	Grinding & Polishing Workers, Hand	*	*	*	*	*	*	*	n/a	10
51-9023	Mixing & Blending Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9031	Cutters & Trimmers, Hand	*	*	*	*	*	*	*	n/a	11
51-9032	Cutting & Slicing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	*	*	*	*	*	*	*	n/a	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	*	*	*	*	*	*	*	n/a	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	99	107	8	8.1	1	2	3	12.16	10
51-9071	Jewelers & Precious Stone & Metal Workers	*	*	*	*	*	*	*	n/a	7
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	n/a	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	n/a	10
51-9111	Packaging & Filling Machine Ops. & Tenders	95	89	-6	-6.3	0	2	2	10.98	11
51-9121	Coating, Painting & Spraying Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	n/a	9
51-9123	Painting, Coating & Decorating Workers	*	*	*	*	*	*	*	n/a	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	n/a	10
51-9132	Photographic Processing Machine Operators	*	*	*	*	*	*	*	7.97	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Production Occupations (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
51-9191	Cementing & Gluing Machine Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	43	43	0	0.0	0	1	1	n/a	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-9196	Paper Goods Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	234	247	13	5.6	1	7	8	11.39	11
51-9199	Production Workers, All Other	39	42	3	7.7	0	1	1	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Transportation & Material Moving Occs.

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
53-0000	**Transportation & Material Moving Occupations**	**4,878**	**5,450**	**572**	**11.7**	**66**	**104**	**170**	**12.38**	**n/a**
53-1000	**Supervisors, Transp. & Material Moving Work.**	**142**	**162**	**20**	**14.1**	**2**	**3**	**5**	**n/a**	**n/a**
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	45	48	3	6.7	0	1	1	n/a	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	97	114	17	17.5	2	2	4	19.12	8
53-2000	**Air Transportation Workers**	*	*	*	*	*	*	*	**n/a**	**n/a**
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	*	*	*	*	*	*	*	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	n/a	9
53-3000	**Motor Vehicle Operators**	**2,543**	**3,000**	**457**	**18.0**	**46**	**39**	**85**	**n/a**	**n/a**
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	n/a	10
53-3021	Bus Drivers, Transit & Intercity	*	*	*	*	*	*	*	n/a	10
53-3022	Bus Drivers, School	438	491	53	12.1	5	10	15	12.41	11
53-3031	Driver/Sales Workers	182	219	37	20.3	4	3	7	9.24	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	1,199	1,440	241	20.1	24	20	44	13.65	10
53-3033	Truck Drivers, Light or Delivery Services	624	723	99	15.9	10	6	16	11.73	11
53-3041	Taxi Drivers & Chauffeurs	56	69	13	23.2	1	1	2	7.02	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	n/a	11
53-4000	**Rail Transportation Workers**	*	*	*	*	*	*	*	**n/a**	**n/a**
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
53-5000	**Water Transportation Workers**	*	*	*	*	*	*	*	**n/a**	**n/a**
53-5011	Sailors & Marine Oilers	*	*	*	*	*	*	*	n/a	11
53-5021	Captains, Mates & Pilots of Water Vessels	*	*	*	*	*	*	*	n/a	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Big Sandy Area
Occupational Employment Outlook

Transportation & Material Moving Occs. (cont'd)

Occupational Code	Occupational Title	Employment* 2004 Estimated	Employment* 2014 Projected	Change 2004-2014 Number	Change 2004-2014 Percent	Job Openings Average Annual 2004-2014 Growth	Job Openings Average Annual 2004-2014 Separations	Job Openings Average Annual 2004-2014 Total	Average Wage 2005	Educ/ Training Req'd~
53-6000	**Other Transportation Workers**	**72**	**61**	**-11**	**-15.3**	**0**	**3**	**3**	**n/a**	**n/a**
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	*	*	*	*	*	*	*	n/a	11
53-6031	Service Station Attendants	63	53	-10	-15.9	0	3	3	n/a	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	11
53-7000	**Material Moving Workers**	**2,045**	**2,164**	**119**	**5.8**	**18**	**56**	**74**	**n/a**	**n/a**
53-7011	Conveyor Operators & Tenders	117	139	22	18.8	2	3	5	13.56	11
53-7021	Crane & Tower Operators	*	*	*	*	*	*	*	n/a	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	265	328	63	23.8	6	7	13	15.75	10
53-7033	Loading Machine Ops., Underground Mining	135	168	33	24.4	3	4	7	17.58	10
53-7041	Hoist & Winch Operators	*	*	*	*	*	*	*	n/a	10
53-7051	Industrial Truck & Tractor Operators	118	122	4	3.4	0	2	2	13.26	11
53-7061	Cleaners of Vehicles & Equipment	80	80	0	0.0	0	3	3	6.25	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	636	663	27	4.2	3	21	24	8.40	11
53-7063	Machine Feeders & Offbearers	33	31	-2	-6.1	0	1	1	n/a	11
53-7064	Packers & Packagers, Hand	265	287	22	8.3	2	5	7	6.22	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumpers	65	66	1	1.5	0	2	2	13.64	10
53-7081	Refuse & Recyclable Material Collectors	55	63	8	14.5	1	1	2	9.92	11
53-7111	Shuttle Car Operators	226	165	-61	-27.0	0	6	6	16.25	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	n/a	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

Postsecondary awards

(1) ***First professional degree.*** Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(2) ***Doctoral degree.*** Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(3) ***Master's degree.*** Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

(4) ***Bachelor's or higher degree, plus work experience.*** Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(5) ***Bachelor's degree.*** Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

(6) ***Associate's degree.*** Completion of the degree usually requires at least two years of full-time academic study.

(7) ***Postsecondary vocational awards.*** Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) ***Work experience in a related occupation.*** Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

(9) ***Long-term, on-the-job training.*** More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

(10) ***Moderate-term, on-the-job training***. Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

(11) ***Short-term, on-the-job training***. Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

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