

Big Sandy Area Occupational Outlook to 2020



Education and Workforce Development Cabinet
Department of Workforce Investment
Office of Employment and Training

 **Kentucky
Career Center**
Career Training Employer

**Big Sandy Area
Occupational Outlook to 2020**

STEVEN L. BESHEAR
Governor

**A LABOR MARKET INFORMATION PUBLICATION BY:
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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 2018. Staff utilized data from all programs to create the 2018 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 2020* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors and others will find this information beneficial.

Tables listing the 50 occupations with the largest number of annual job openings and the 50 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 2010 to 2020.

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 2010 through 2020. 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 2010-2020 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 2010-2020 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
2010-2020**

- ✓ Employment is projected to grow from 53,284 to 60,199, a gain of 13.0 percent.
- ✓ Total annual job openings are expected to be about 1,947.
- ✓ Growth in employment will create about 712 job openings annually.
- ✓ Approximately 1,235 annual job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-seven percent of job openings will result from growth; the remaining 63 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Office and Administrative Support Occupations (263) followed by Sales and Related Occupations (235) and Healthcare Practitioners and Technical Occupations (210).
- ✓ The two occupations with the largest projected number of annual job openings are Cashiers (77) and Retail Salespersons (72).
- ✓ The highest growth rates among occupational groups are likely to be in Other Personal Care and Service Workers Occupations (40.2) followed by Occupational and Therapy and Physical Therapist Assistants and Aides (31.8%) and Personal Care and Service Occupations.

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	<p>1) Total average annual job openings, and 2) employment change expressed as a percentage.</p> <p>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.</p>
What creates job openings?	<p>1) Employment growth (new jobs), and 2) employment separations (job vacancies created by persons separating from an occupation).</p>
What causes employment change?	<p><i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.</p>
What about employment separations?	<p>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.</p>
Do workers tend to leave one occupation more than other occupations?	<p>Every occupation has a different rate of employment separation. 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.</p>
What factors affect the number of job openings for an occupation?	<p>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.</p>
Which factor is more important?	<p>The size of employment and separation rate is more important than rate of change.</p>
What is the best way to compare one occupation with another?	<p>Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicate 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.</p>

**Top 50 Fastest
Growing Big Sandy Area Occupations**

Rank	Area	SOC	Title	Employment		Change		Annual
				2010	2020	Number	Percent	Openings
1	Big Sandy	39-9021	Personal Care Aides	71	134	63	88.7	7
2	Big Sandy	31-1011	Home Health Aides	87	151	64	73.6	7
3	Big Sandy	29-2041	Emergency Medical Techs. & Paramedics	370	550	180	48.7	25
4	Big Sandy	29-1122	Occupational Therapists	43	63	20	46.5	3
5	Big Sandy	29-2056	Veterinary Technologists and Technicians	35	51	16	45.7	3
5	Big Sandy	47-2021	Brickmasons and Blockmasons	35	51	16	45.7	3
7	Big Sandy	11-9151	Social & Community Service Managers	94	135	41	43.6	6
8	Big Sandy	29-2021	Dental Hygienists	67	95	28	41.8	4
9	Big Sandy	29-1123	Physical Therapists	72	102	30	41.7	4
10	Big Sandy	39-9041	Residential Advisors	99	140	41	41.4	8
11	Big Sandy	43-6013	Medical Secretaries	332	461	129	38.9	17
12	Big Sandy	29-1128	Therapists, all other	125	173	48	38.4	8
13	Big Sandy	49-9052	Telecomms. Line Installers & Repairers	155	210	55	35.5	9
14	Big Sandy	19-3031	Clinical, Counseling, & Sch. Psychologists	34	46	12	35.3	2
14	Big Sandy	21-1093	Social and Human Service Assistants	278	376	98	35.3	16
16	Big Sandy	31-9092	Medical Assistants	265	356	91	34.3	13
17	Big Sandy	47-2051	Cement Masons and Concrete Finishers	46	61	15	32.6	3
17	Big Sandy	29-1069	Physicians and Surgeons, All Other	172	228	56	32.6	9
19	Big Sandy	19-4091	Envi. Protection & Technicians, Incl. Health	37	49	12	32.4	3
20	Big Sandy	21-1029	Social Workers, All Other	53	70	17	32.1	3
21	Big Sandy	27-3091	Interpreters and Translators	50	66	16	32.0	3
22	Big Sandy	29-1062	Family and General Practitioners	38	50	12	31.6	2
23	Big Sandy	29-2037	Radiologic Technologists and Technicians	187	246	59	31.6	9
24	Big Sandy	21-1011	Subs.Abuse & Behav. Disorder Counselors	92	121	29	31.5	5

Top 50 Fastest (contd)
Growing Big Sandy Area Occupations

Rank	Area	SOC	Title	Employment		Change		Annual
				2010	2020	Number	Percent	Openings
25	Big Sandy	43-4051	Customer Service Representatives	660	866	206	31.2	40
26	Big Sandy	27-2021	Athletes and Sports Competitors	81	106	25	30.9	4
27	Big Sandy	13-1151	Training and Development Specialists	43	56	13	30.2	2
28	Big Sandy	33-9032	Security Guards	666	865	199	29.9	31
29	Big Sandy	43-5031	Police, Fire, and Ambulance Dispatchers	47	61	14	29.8	2
30	Big Sandy	43-4171	Receptionists and Information Clerks	445	576	131	29.4	27
31	Big Sandy	29-2052	Pharmacy Technicians	360	464	104	28.9	16
32	Big Sandy	49-9021	Heating, A.C. & Refrigeration Mech. & Installers	157	202	45	28.7	7
33	Big Sandy	39-9032	Recreation Workers	60	77	17	28.3	3
34	Big Sandy	13-2052	Personal Financial Advisors	48	61	13	27.1	2
34	Big Sandy	27-3031	Public Relations Specialists	48	61	13	27.1	2
36	Big Sandy	29-1051	Pharmacists	343	435	92	26.8	18
37	Big Sandy	31-9093	Medical Equipment Preparers	45	57	12	26.7	2
38	Big Sandy	47-2152	Plumbers, Pipefitters, and Steamfitters	196	248	52	26.5	11
39	Big Sandy	29-2031	Cardiovascular Technologists & Techs.	31	39	8	25.8	1
40	Big Sandy	53-3041	Taxi Drivers and Chauffeurs	171	215	44	25.7	6
41	Big Sandy	29-1111	Registered Nurses	1347	1692	345	25.6	58
41	Big Sandy	49-3052	Motorcycle Mechanics	43	54	11	25.6	2
43	Big Sandy	15-1142	Network & Computer Sys. Administrators	47	59	12	25.5	2
44	Big Sandy	11-9111	Medical and Health Services Managers	240	300	60	25.0	12
44	Big Sandy	21-1012	Educ., Guidance, Sch., & Voc. Counselors	132	165	33	25.0	6
44	Big Sandy	29-2071	Medical Records & Health Info. Technicians	104	130	26	25.0	5
44	Big Sandy	27-2022	Coaches and Scouts	44	55	11	25.0	2
48	Big Sandy	29-1126	Respiratory Therapists	61	76	15	24.6	3
49	Big Sandy	51-7041	Sawing Machine SOT Wood	53	66	13	24.5	2
50	Big Sandy	43-5032	Dispatchers, Except Police, Fire, & Ambulance	37	46	9	24.3	2

**Top 50
Big Sandy Area Occupations with Most Annual Job Openings**

Rank	Area	SOC	Title	Employment		Change		Annual Openings
				2010	2020	Number	Percent	
1	Big Sandy	41-2011	Cashiers	1547	1616	69	4.5	77
2	Big Sandy	41-2031	Retail Salespersons	1540	1810	270	17.5	72
3	Big Sandy	53-3032	Heavy and Tractor-Trailer Truck Drivers	1702	1985	283	16.6	62
4	Big Sandy	29-1111	Registered Nurses	1347	1692	345	25.6	58
5	Big Sandy	47-2073	Operating Engineers & Other Const. Equip. Op.	1640	1762	122	7.4	50
6	Big Sandy	35-3021	Comb. Food Prep. & Serving Wrks, Inc. Fast Food	1288	1361	73	5.7	43
7	Big Sandy	43-4051	Customer Service Representatives	660	866	206	31.2	40
8	Big Sandy	35-3031	Waiters and Waitresses	761	779	18	2.4	40
9	Big Sandy	41-1011	First-Line Sups. of Retail Sales Workers	1126	1219	93	8.3	35
10	Big Sandy	33-9032	Security Guards	666	865	199	29.9	31
11	Big Sandy	47-1011	First-Line Sup. of Const. Trades & Extr. Wrks.	823	923	100	12.2	29
12	Big Sandy	43-4171	Receptionists and Information Clerks	445	576	131	29.4	27
13	Big Sandy	25-2021	Elem. Sch. Teachers, Except Special Educ.	864	939	75	8.7	27
14	Big Sandy	31-1012	Nursing Aides, Orderlies, and Attendants	767	929	162	21.1	26
15	Big Sandy	29-2041	Emergency Medical Techs. & Paramedics	370	550	180	48.7	25
16	Big Sandy	43-3031	Bookkeeping, Accounting, and Auditing Clerks	879	1017	138	15.7	24
17	Big Sandy	35-2021	Food Preparation Workers	495	537	42	8.5	22
18	Big Sandy	43-9061	Office Clerks, General	600	696	96	16.0	21
19	Big Sandy	43-1011	First-Line Sup. of Off. & Adm. Supp. Workers	482	558	76	15.8	21
20	Big Sandy	43-5081	Stock Clerks and Order Fillers	792	800	8	1.0	21
21	Big Sandy	53-7062	Laborers & Freight, Stock, & Mat. Movers, Hand	394	457	63	16.0	19
22	Big Sandy	37-2011	Janitors & Cleaners, Exc. Maids & Housekeeping	705	761	56	7.9	19
23	Big Sandy	29-1051	Pharmacists	343	435	92	26.8	18
24	Big Sandy	43-6013	Medical Secretaries	332	461	129	38.9	17
25	Big Sandy	49-9041	Industrial Machinery Mechanics	388	481	93	24.0	17

Top 50 (contd)

Big Sandy Area Occupations with Most Annual Job Openings

Rank	Area	SOC	Title	Employment		Change		Annual Openings
				2010	2020	Number	Percent	
26	Big Sandy	53-3033	Light Truck or Delivery Services Drivers	454	536	82	18.1	17
27	Big Sandy	29-2061	Licensed Practical & Licensed Voc. Nurses	376	442	66	17.6	17
28	Big Sandy	25-9041	Teacher Assistants	615	644	29	4.7	17
29	Big Sandy	21-1093	Social and Human Service Assistants	278	376	98	35.3	16
30	Big Sandy	29-2052	Pharmacy Technicians	360	464	104	28.9	16
31	Big Sandy	43-3021	Billing and Posting Clerks	395	487	92	23.3	16
32	Big Sandy	21-1021	Child, Family, and School Social Workers	375	437	62	16.5	15
33	Big Sandy	49-9071	Maintenance and Repair Workers, General	497	560	63	12.7	15
35	Big Sandy	47-2061	Construction Laborers	512	610	98	19.1	14
36	Big Sandy	31-9092	Medical Assistants	265	356	91	34.3	13
37	Big Sandy	47-2111	Electricians	375	402	27	7.2	13
38	Big Sandy	35-2014	Cooks, Restaurant	444	472	28	6.3	13
39	Big Sandy	11-1021	General and Operations Managers	613	631	18	2.9	13
40	Big Sandy	11-9111	Medical and Health Services Managers	240	300	60	25.0	12
41	Big Sandy	41-4012	Sales Reps., Wholesale & Manu., Exp. Tech. & Sci.	338	379	41	12.1	12
42	Big Sandy	25-2031	Sec. Sch. Teachers, Exc. Spec. & Career/Tech. Ed	444	441	-3	-0.7	12
43	Big Sandy	47-2152	Plumbers, Pipefitters, and Steamfitters	196	248	52	26.5	11
44	Big Sandy	53-7032	Excavating & Loading Mach. & Dragline Opts.	251	291	40	15.9	11
45	Big Sandy	49-3023	Automotive Service Techs. & Mech.	221	261	40	18.1	10
46	Big Sandy	49-3042	Mobile Heavy Equip. Mech., Except Engines	256	284	28	10.9	10
47	Big Sandy	43-6011	Exe. Secretaries & Executive Adm. Assistants	417	452	35	8.4	10
48	Big Sandy	33-3012	Correctional Officers and Jailers	471	495	24	5.1	10
49	Big Sandy	43-6014	Secr. & Adm. Assist., Except Legal, Med., & Exe.	642	651	9	1.4	10
50	Big Sandy	11-9013	Farmers, Ranchers, & Other Agricultural Mgrs.	514	505	-9	-1.8	10

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment		Job Growth		Average Annual Job Openings			Average Wage	Education/ Training Required		
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Growth	Separations	Total	2011			
<p>Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure.</p>		<p>Estimated 2010 employment is based on the Occupational Employment Statistics (OES) Survey of employers.</p> <p>Projected 2020 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2010 and 2020.</p> <p>NOTE: The occupational employment estimates for 2010 to 2020 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</p>		<p>Number The total number of jobs in an occupation gained or lost over the 2010 to 2020 period.</p> <p>Percent Percent change in employment in an occupation over the 10 year period.</p> <p>NOTE: In Kentucky, the average growth for all occupations is projected to be 12.4 percent between 2010-2020.</p> <p>The growth of an occupation is classified as one of the following based on its percent change:</p> <ol style="list-style-type: none"> 1) Declining (< -4.0%) 2) Stable (-4.0% - 4.0%) 3) Growing (4.1% - 10.0%) 4) Fast Growing (10.1% - 15.0%) 5) Very Fast Growing (> 15.0%) 		<p>Growth Provides estimates of the average number of job openings expected to occur due to employment growth each year between 2010 and 2020.</p> <p>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.</p> <p>Total The sum of openings due to growth and openings due to separations for an occupation.</p> <p>NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.</p>			<p>Average Wage in this report always refers to the 2011 statewide mean hourly wage for each occupation.</p> <p>NOTE: For area-specific wage information, please visit the Occupational Wages section of our web site.</p>		<p>Education and/or Training Levels Required are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11).</p> <p>NOTE: The various categories are described in detail on page 50 of this report.</p>	

Big Sandy Area Occupational Employment Outlook

Management Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
00-0000 Total, All Occupations		53,284	60,199	6,915	13	712	1,235	1,947	n/a	n/a
11-0000 Management Occupations		3,031	3,289	258	9	27	62	89	\$38.36	n/a
11-1000 Top Executives		795	820	25	3	2	16	18	n/a	n/a
11-1011	Chief Executives	*	*	*	*	*	*	*	\$67.66	3
11-1021	General and Operations Managers	613	631	18	3	2	11	13	\$41.81	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	3
11-2000 Advert., Marketing, Promotions, Pub. Relations, & Sales Mgrs.		80	87	7	9	1	2	3	n/a	n/a
11-2011	Advertising and Promotions Managers	*	*	*	*	*	*	*	n/a	3
11-2021	Marketing Managers	*	*	*	*	*	*	*	n/a	3
11-2022	Sales Managers	45	49	4	9	0	1	1	\$31.19	3
11-2031	Public Relations and Fundraising Managers	*	*	*	*	*	*	*	n/a	3
11-3000 Operations Specialties Managers		346	378	32	9	3	7	10	n/a	n/a
11-3011	Administrative Services Managers	51	58	7	14	1	1	2	\$27.28	7
11-3021	Computer and Information Systems Managers	33	39	6	18	1	0	1	\$35.54	3
11-3031	Financial Managers	184	193	9	5	1	3	4	\$54.54	3
11-3051	Industrial Production Managers	*	*	*	*	*	*	*	\$40.19	3
11-3061	Purchasing Managers	*	*	*	*	*	*	*	\$31.94	3
11-3071	Transportation, Storage, and Distribution Managers	*	*	*	*	*	*	*	\$26.64	7
11-3111	Compensation and Benefits Managers	*	*	*	*	*	*	*	n/a	3
11-3121	Human Resources Managers	*	*	*	*	*	*	*	\$35.10	3
11-3131	Training and Development Managers	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Management Occupations (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
11-9000	Other Management Occupations	1,810	2,004	194	11	20	37	57	n/a	n/a
11-9013	Farmers, Ranchers, and Other Agricultural Managers	514	505	-9	-2	0	10	10	n/a	7
11-9021	Construction Managers	211	253	42	20	4	1	5	\$31.24	4
11-9031	Education Administrators, Preschool and Childcare Center/Program	*	*	*	*	*	*	*	n/a	3
11-9032	Education Administrators, Elementary and Secondary School	165	172	7	4	1	5	6	n/a	2
11-9033	Education Administrators, Postsecondary	*	*	*	*	*	*	*	n/a	2
11-9039	Education Administrators, All Other	*	*	*	*	*	*	*	\$40.37	3
11-9041	Architectural and Engineering Managers	47	52	5	11	0	1	1	\$44.22	3
11-9051	Food Service Managers	98	99	1	1	0	2	2	\$22.09	7
11-9081	Lodging Managers	*	*	*	*	*	*	*	n/a	7
11-9111	Medical and Health Services Managers	240	300	60	25	6	6	12	\$37.49	3
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	n/a	3
11-9131	Postmasters and Mail Superintendents	72	72	0	0	0	1	1	\$27.35	7
11-9141	Property, Real Estate, and Community Association Managers	153	171	18	12	2	3	5	\$27.45	7
11-9151	Social and Community Service Managers	94	135	41	44	4	2	6	\$23.41	3
11-9161	Emergency Management Directors	*	*	*	*	*	*	*	n/a	3
11-9199	Managers, All Other	137	158	21	15	2	3	5	\$36.00	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Business & Financial Operations occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
13-0000	Business and Financial Operations Occupations	1,142	1,296	154	13.5	16	23	39	\$24.34	n/a
13-1000	Business Operations Specialists	601	682	81	13.5	9	11	20	n/a	n/a
13-1021	Buyers and Purchasing Agents, Farm Products	*	*	*	*	*	*	*	n/a	7
13-1022	Wholesale and Retail Buyers, Except Farm Products	*	*	*	*	*	*	*	n/a	7
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	43	47	4	9.3	0	1	1	\$26.24	7
13-1031	Claims Adjusters, Examiners, and Investigators	69	62	-7	-10.1	0	2	2	n/a	7
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	5
13-1041	Compliance Officers	147	175	28	19.1	3	2	5	\$22.90	3
13-1051	Cost Estimators	*	*	*	*	*	*	*	\$30.13	3
13-1074	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
13-1078	Human Resources, Training, and Labor Relations Specialists, All Other	150	165	15	10.0	2	2	4	n/a	3
13-1081	Logisticians	*	*	*	*	*	*	*	n/a	3
13-1111	Management Analysts	*	*	*	*	*	*	*	\$28.73	3
13-1121	Meeting, Convention, and Event Planners	*	*	*	*	*	*	*	\$13.95	3
13-1141	Compensation, Benefits, and Job Analysis Specialists	*	*	*	*	*	*	*	n/a	3
13-1151	Training and Development Specialists	43	56	13	30.2	1	1	2	\$23.11	3
13-1161	Market Research Analysts and Marketing Specialists	*	*	*	*	*	*	*	n/a	3
13-1199	Business Operations Specialists, All Other	62	69	7	11.3	1	1	2	\$24.78	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Business & Financial Operations occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
13-2000	Financial Specialists	541	614	73	13.5	7	12	19	n/a	n/a
13-2011	Accountants and Auditors	191	214	23	12.0	2	4	6	\$25.90	3
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	*	*	*	n/a	7
13-2031	Budget Analysts	*	*	*	*	*	*	*	n/a	3
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	3
13-2051	Financial Analysts	*	*	*	*	*	*	*	n/a	3
13-2052	Personal Financial Advisors	48	61	13	27.1	1	1	2	n/a	3
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	3
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	3
13-2071	Credit Counselors	*	*	*	*	*	*	*	n/a	3
13-2072	Loan Officers	120	138	18	15.0	2	3	5	\$30.43	7
13-2081	Tax Examiners and Collectors, and Revenue Agents	*	*	*	*	*	*	*	n/a	3
13-2099	Financial Specialists, All Other	95	102	7	7.4	1	2	3	\$23.99	3

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Computer & Mathematical Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
15-0000	Computer and Mathematical Occupations	316	362	46	14.6	5	6	11	\$24.99	n/a
15-1000	Computer Specialists	299	345	46	15.4	5	6	11	n/a	n/a
15-1121	Computer Systems Analysts	*	*	*	*	*	*	*	\$22.92	3
15-1131	Computer Programmers	*	*	*	*	*	*	*	n/a	3
15-1132	Software Developers, Applications	35	42	7	20.0	1	0	1	n/a	3
15-1133	Software Developers, Systems Software	*	*	*	*	*	*	*	\$32.65	3
15-1141	Database Administrators	*	*	*	*	*	*	*	n/a	3
15-1142	Network and Computer Systems Administrators	47	59	12	25.5	1	1	2	\$26.05	3
15-1150	Computer Support Specialists	122	137	15	12.3	2	3	5	n/a	6
15-1179	Information Security Analysts, Web Developers, & Com. Net. Architects	37	42	5	13.5	0	0	0	n/a	3
15-1799	Computer Occupations, All Other	*	*	*	*	*	*	*	n/a	3
15-2000	Mathematical Science Occupations	*	*	*	*	*	*	*	n/a	n/a
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Architecture & Engineering Occupations

Occupational Code	Occupational Title	Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020				
						Gro.	Seps.	Total		
17-0000	Architecture and Engineering Occupations	466	504	38	8.2	4	10	14	\$28.70	n/a
17-1000	Architects, Surveyors, and Cartographers	59	67	8	13.6	1	1	2	n/a	n/a
17-1012	Landscape Architects	*	*	*	*	*	*	*	n/a	3
17-1021	Cartographers and Photogrammetrists	*	*	*	*	*	*	*	n/a	3
17-1022	Surveyors	44	50	6	13.6	1	1	2	\$19.30	3
17-2000	Engineers	185	201	16	8.7	2	4	6	n/a	n/a
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	3
17-2051	Civil Engineers	41	46	5	12.2	0	1	1	\$38.28	3
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	3
17-2072	Electronics Engineers, Except Computer	*	*	*	*	*	*	*	\$40.02	3
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	3
17-2111	Health & Safety Eng., Except Mining Safety Engineers & Inspectors	*	*	*	*	*	*	*	n/a	3
17-2112	Industrial Engineers	*	*	*	*	*	*	*	n/a	3
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	3
17-2141	Mechanical Engineers	*	*	*	*	*	*	*	n/a	3
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	54	57	3	5.6	0	1	1	\$37.52	3
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	3
17-2199	Engineers, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Architecture & Engineering Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	222	236	14	6.3	2	4	6	n/a	n/a
17-3011	Architectural and Civil Drafters	31	30	-1	-3.2	0	1	1	\$23.82	4
17-3012	Electrical and Electronics Drafters	*	*	*	*	*	*	*	n/a	4
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	n/a	4
17-3019	Drafters, All Other	*	*	*	*	*	*	*	\$19.38	4
17-3022	Civil Engineering Technicians	60	61	1	1.7	0	1	1	n/a	4
17-3023	Electrical and Electronics Engineering Technicians	*	*	*	*	*	*	*	n/a	4
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	4
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	\$19.56	4
17-3026	Industrial Engineering Technicians	*	*	*	*	*	*	*	n/a	4
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	n/a	4
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	*	*	*	n/a	4
17-3031	Surveying and Mapping Technicians	78	87	9	11.5	1	2	3	\$13.65	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Life, Physical & Social Science Occs.

Occupational Code	Occupational Title	Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020				
						Gro.	Seps.	Total		
19-0000	Life, Physical, and Social Science Occupations	253	303	50	19.8	5	8	13	\$24.20	n/a
19-1000	Life Scientists	33	35	2	6.1	0	0	0	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	1
19-1012	Food Scientists and Technologists	*	*	*	*	*	*	*	n/a	3
19-1013	Soil and Plant Scientists	*	*	*	*	*	*	*	n/a	3
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	3
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	n/a	3
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	1
19-1031	Conservation Scientists	*	*	*	*	*	*	*	n/a	3
19-1032	Foresters	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	*	*	*	n/a	1
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	3
19-2000	Physical Scientists	90	109	19	21.1	2	3	5	n/a	n/a
19-2031	Chemists	*	*	*	*	*	*	*	n/a	3
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	3
19-2041	Environmental Scientists and Specialists, Including Health	70	86	16	22.9	2	2	4	\$26.67	3
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	*	*	*	n/a	3
19-3000	Social Scientists and Related Workers	69	85	16	23.2	2	2	4	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3031	Clinical, Counseling, and School Psychologists	34	46	12	35.3	1	1	2	\$30.82	1
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	2
19-3051	Urban and Regional Planners	*	*	*	*	*	*	*	n/a	2
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	\$31.22	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

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

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
19-4000	Life, Physical, and Social Science Technicians	61	74	13	21.3	1	2	3	n/a	n/a
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	n/a	4
19-4031	Chemical Technicians	*	*	*	*	*	*	*	n/a	4
19-4091	Environmental Science and Protection Technicians, Including Health	37	49	12	32.4	1	2	3	n/a	4
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	n/a	4
19-4099	Life, Physical, and Social Science Technicians, All Other	*	*	*	*	*	*	*	n/a	4

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Community & Social Service Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
21-0000	Community and Social Service Occupations	1,138	1,414	276	24.3	28	26	54	\$18.08	n/a
21-1000	Counselors, Soc. Wrks., & Other Comm.& Soc. Service Spec.	1,128	1,403	275	24.4	28	25	53	n/a	n/a
21-1011	Substance Abuse and Behavioral Disorder Counselors	92	121	29	31.5	3	2	5	\$18.50	7
21-1012	Educational, Guidance, School, and Vocational Counselors	132	165	33	25.0	3	3	6	\$25.52	2
21-1014	Mental Health Counselors	*	*	*	*	*	*	*	n/a	2
21-1015	Rehabilitation Counselors	64	72	8	12.5	1	1	2	\$17.31	2
21-1021	Child, Family, and School Social Workers	375	437	62	16.5	6	9	15	\$18.17	3
21-1022	Healthcare Social Workers	*	*	*	*	*	*	*	\$21.61	2
21-1023	Mental Health and Substance Abuse Social Workers	*	*	*	*	*	*	*	\$15.69	3
21-1029	Social Workers, All Other	53	70	17	32.1	2	1	3	n/a	3
21-1091	Health Educators	44	49	5	11.4	0	1	1	\$19.72	3
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	*	*	*	n/a	3
21-1093	Social and Human Service Assistants	278	376	98	35.3	10	6	16	\$12.85	7
21-1798	Community and Social Service Specialists, All Other	*	*	*	*	*	*	*	\$17.52	3
21-2000	Religious Workers	*	*	*	*	*	*	*	n/a	n/a
21-2011	Clergy	*	*	*	*	*	*	*	\$24.83	3
21-2021	Directors, Religious Activities and Education	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Legal Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
23-0000	Legal Occupations	499	546	47	9.4	5	9	14	\$37.24	n/a
23-1000	Lawyers, Judges, and Related Workers	314	342	28	8.9	3	6	9	n/a	n/a
23-1011	Lawyers	268	293	25	9.3	2	5	7	\$53.25	1
23-1012	Judicial Law Clerks	*	*	*	*	*	*	*	n/a	1
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	*	*	*	n/a	3
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	*	*	*	n/a	1
23-2000	Legal Support Workers	185	204	19	10.3	2	3	5	n/a	n/a
23-2011	Paralegals and Legal Assistants	102	115	13	12.8	1	2	3	\$16.95	4
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	5
23-2093	Title Examiners, Abstractors, and Searchers	72	75	3	4.2	0	1	1	\$20.69	7
23-2099	Legal Support Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Education, Training & Library Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
25-0000	Education, Training, and Library Occupations	3,427	3,686	259	7.6	26	76	102	\$22.46	n/a
25-1000	Postsecondary Teachers	595	654	59	9.9	6	9	15	n/a	n/a
25-1011	Business Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1021	Computer Science Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1022	Mathematical Science Teachers, Postsecondary	46	49	3	6.5	0	1	1	n/a	1
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1052	Chemistry Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1054	Physics Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1063	Economics Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1064	Geography Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1066	Psychology Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1067	Sociology Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1069	Social Sciences Teachers, Postsecondary, All Other	*	*	*	*	*	*	*	n/a	1
25-1071	Health Specialties Teachers, Postsecondary	50	55	5	10.0	0	1	1	n/a	1
25-1072	Nursing Instructors and Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	2
25-1081	Education Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	2
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	2
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Education, Training & Library Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
25-1121	Art, Drama, and Music Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1122	Communications Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1123	English Language and Literature Teachers, Postsecondary	38	41	3	7.9	0	1	1	n/a	1
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1125	History Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	1
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	2
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	2
25-1194	Vocational Education Teachers, Postsecondary	250	276	26	10.4	3	4	7	n/a	3
25-1199	Postsecondary Teachers, All Other	*	*	*	*	*	*	*	n/a	2
25-2000	Preschool, Primary, Sec., & Special Education School Teachers	1,873	1,989	116	6.2	12	46	58	n/a	n/a
25-2011	Preschool Teachers, Except Special Education	54	60	6	11.1	1	1	2	\$20.15	2
25-2012	Kindergarten Teachers, Except Special Education	*	*	*	*	*	*	*	n/a	3
25-2021	Elementary School Teachers, Except Special Education	864	939	75	8.7	8	19	27	n/a	3
25-2022	Middle Sch. Teachers, Except Special and Career/Technical Education	212	231	19	9.0	2	5	7	n/a	3
25-2031	Sec. Sch. Teachers, Except Special and Career/Technical Education	444	441	-3	-0.7	0	12	12	n/a	3
25-2032	Career/Technical Education Teachers, Secondary School	*	*	*	*	*	*	*	n/a	3
25-2041	Special Educ. Teachers, Preschool, Kindergarten, & Elementary Sch.	130	145	15	11.5	2	4	6	n/a	3
25-2053	Special Education Teachers, Middle School	40	44	4	10.0	0	1	1	n/a	3
25-2054	Special Education Teachers, Secondary School	81	81	0	0.0	0	2	2	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

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

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
25-3000	Other Teachers and Instructors	213	259	46	21.6	5	3	8	n/a	n/a
25-3011	Adult Basic and Sec.Education and Literacy Teachers and Instructors	*	*	*	*	*	*	*	\$18.97	3
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	n/a	7
25-3999	Teachers and Instructors, All Other	138	150	12	8.7	1	2	3	n/a	3
25-4000	Librarians, Curators, and Archivists	67	68	1	1.5	0	2	2	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	2
25-4013	Museum Technicians and Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	61	62	1	1.6	0	2	2	\$21.89	2
25-4031	Library Technicians	*	*	*	*	*	*	*	\$11.98	5
25-9000	Other Education, Training, and Library Occupations	679	716	37	5.5	4	15	19	n/a	n/a
25-9021	Farm and Home Management Advisors	*	*	*	*	*	*	*	n/a	2
25-9031	Instructional Coordinators	37	43	6	16.2	1	1	2	\$30.13	2
25-9041	Teacher Assistants	615	644	29	4.7	3	14	17	n/a	7
25-9099	Education, Training, and Library Workers, All Other	*	*	*	*	*	*	*	\$20.27	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Arts, Design, Enter., Sports & Media Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	538	648	110	20.5	11	12	23	n/a	n/a
27-1000	Art and Design Workers	*	*	*	*	*	*	*	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	3
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	*	*	*	n/a	7
27-1014	Multi-Media Artists and Animators	*	*	*	*	*	*	*	n/a	3
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	n/a	3
27-1023	Floral Designers	*	*	*	*	*	*	*	n/a	7
27-1024	Graphic Designers	*	*	*	*	*	*	*	\$13.63	3
27-1025	Interior Designers	*	*	*	*	*	*	*	n/a	3
27-1026	Merchandise Displayers and Window Trimmers	*	*	*	*	*	*	*	n/a	7
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	3
27-2000	Entertainers and Performers, Sports and Related Workers	133	169	36	27.1	4	3	7	n/a	n/a
27-2012	Producers and Directors	*	*	*	*	*	*	*	n/a	3
27-2021	Athletes and Sports Competitors	81	106	25	30.9	2	2	4	n/a	7
27-2022	Coaches and Scouts	44	55	11	25.0	1	1	2	n/a	7
27-2041	Music Directors and Composers	*	*	*	*	*	*	*	n/a	3
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Arts, Design, Enter., Sports & Media Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
27-3000	Media and Communication Workers	261	307	46	17.6	5	7	12	n/a	n/a
27-3011	Radio and Television Announcers	72	74	2	2.8	0	2	2	n/a	3
27-3022	Reporters and Correspondents	*	*	*	*	*	*	*	n/a	3
27-3031	Public Relations Specialists	48	61	13	27.1	1	1	2	\$18.66	3
27-3041	Editors	*	*	*	*	*	*	*	n/a	3
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	3
27-3043	Writers and Authors	34	37	3	8.8	0	1	1	\$11.04	3
27-3091	Interpreters and Translators	50	66	16	32.0	2	1	3	n/a	3
27-3099	Media and Communication Workers, All Other	33	41	8	24.2	1	1	2	n/a	7
27-4000	Media and Communication Equipment Workers	119	142	23	19.3	2	1	3	n/a	n/a
27-4011	Audio and Video Equipment Technicians	*	*	*	*	*	*	*	n/a	2
27-4012	Broadcast Technicians	*	*	*	*	*	*	*	n/a	4
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	5
27-4021	Photographers	111	133	22	19.8	2	1	3	\$8.97	7
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Healthcare Practitioners & Technical Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
29-0000	Healthcare Practitioners and Technical Occupations	4,385	5,594	1,209	27.6	121	89	210	n/a	n/a
29-1000	Health Diagnosing and Treating Practitioners	2,421	3,107	686	28.3	69	47	116	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians and Nutritionists	*	*	*	*	*	*	*	\$26.69	3
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	343	435	92	26.8	9	9	18	\$57.67	1
29-1061	Anesthesiologists	*	*	*	*	*	*	*	n/a	1
29-1062	Family and General Practitioners	38	50	12	31.6	1	1	2	\$78.37	1
29-1063	Internists, General	*	*	*	*	*	*	*	n/a	1
29-1064	Obstetricians and Gynecologists	*	*	*	*	*	*	*	n/a	1
29-1065	Pediatricians, General	*	*	*	*	*	*	*	n/a	1
29-1066	Psychiatrists	*	*	*	*	*	*	*	n/a	1
29-1067	Surgeons	*	*	*	*	*	*	*	\$115.92	1
29-1069	Physicians and Surgeons, All Other	172	228	56	32.6	6	3	9	\$118.38	1
29-1071	Physician Assistants	*	*	*	*	*	*	*	n/a	2
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	1,347	1,692	345	25.6	34	24	58	n/a	4
29-1122	Occupational Therapists	43	63	20	46.5	2	1	3	\$37.88	2
29-1123	Physical Therapists	72	102	30	41.7	3	1	4	\$38.47	1
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	3
29-1126	Respiratory Therapists	61	76	15	24.6	2	1	3	\$19.26	4
29-1127	Speech-Language Pathologists	76	94	18	23.7	2	1	3	\$30.62	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

Occupational Employment Outlook

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

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
29-1128	Therapists, all other	125	173	48	38.4	5	3	8	n/a	2
29-1131	Veterinarians	*	*	*	*	*	*	*	\$31.33	1
29-1181	Audiologists	*	*	*	*	*	*	*	n/a	1
29-2000	Health Technologists and Technicians	1,784	2,302	518	29.0	52	36	88	n/a	n/a
29-2011	Medical and Clinical Laboratory Technologists	64	66	2	3.1	0	1	1	\$27.09	3
29-2012	Medical and Clinical Laboratory Technicians	33	37	4	12.1	0	1	1	\$19.45	4
29-2021	Dental Hygienists	67	95	28	41.8	3	1	4	\$18.23	4
29-2031	Cardiovascular Technologists and Technicians	31	39	8	25.8	1	0	1	n/a	4
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	n/a	4
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	4
29-2037	Radiologic Technologists and Technicians	187	246	59	31.6	6	3	9	n/a	4
29-2041	Emergency Medical Technicians and Paramedics	370	550	180	48.7	18	7	25	\$9.65	5
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	\$11.40	7
29-2052	Pharmacy Technicians	360	464	104	28.9	10	6	16	\$12.68	7
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	n/a	4
29-2055	Surgical Technologists	51	58	7	13.7	1	1	2	\$13.26	5
29-2056	Veterinary Technologists and Technicians	35	51	16	45.7	2	1	3	n/a	4
29-2061	Licensed Practical and Licensed Vocational Nurses	376	442	66	17.6	7	10	17	\$16.99	5
29-2071	Medical Records and Health Information Technicians	104	130	26	25.0	3	2	5	\$15.03	5
29-2081	Opticians, Dispensing	36	39	3	8.3	0	1	1	n/a	7
29-2799	Health Technologists and Technicians, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

Occupational Employment Outlook

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

Occupational Code	Occupational Title	Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020				
						Gro.	Seps.	Total		
29-9000	Other Healthcare Practitioners and Technical Occupations	180	185	5	2.8	1	6	7	n/a	n/a
29-9011	Occupational Health and Safety Specialists	149	144	-5	-3.4	0	5	5	\$35.19	3
29-9012	Occupational Health and Safety Technicians	*	*	*	*	*	*	*	\$23.82	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	3
29-9799	Healthcare Practitioners and Technical Workers, All Other	*	*	*	*	*	*	*	n/a	3
31-0000	Healthcare Support Occupations	1,472	1,865	393	26.7	39	21	60	\$11.24	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	854	1,080	226	26.5	23	11	34	n/a	n/a
31-1011	Home Health Aides	87	151	64	73.6	6	1	7	\$9.83	8
31-1012	Nursing Aides, Orderlies, and Attendants	767	929	162	21.1	16	10	26	n/a	5
31-2000	Occupational Therapy & Physical Therapist Assistants & Aides	44	58	14	31.8	1	1	2	n/a	n/a
31-2011	Occupational Therapy Assistants	*	*	*	*	*	*	*	n/a	4
31-2012	Occupational Therapy Aides	*	*	*	*	*	*	*	n/a	7
31-2021	Physical Therapist Assistants	*	*	*	*	*	*	*	\$19.24	4
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	\$10.26	7
31-9000	Other Healthcare Support Occupations	574	727	153	26.7	15	9	24	n/a	n/a
31-9011	Massage Therapists	*	*	*	*	*	*	*	n/a	5
31-9091	Dental Assistants	*	*	*	*	*	*	*	n/a	5
31-9092	Medical Assistants	265	356	91	34.3	9	4	13	\$12.39	7
31-9093	Medical Equipment Preparers	45	57	12	26.7	1	1	2	n/a	7
31-9094	Medical Transcriptionists	66	67	1	1.5	0	1	1	\$13.90	5
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	n/a	7
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	7
31-9799	Healthcare Support Workers, All Other	86	96	10	11.6	1	1	2	\$14.61	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Protective Service Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual	2010-2020 Gro. Septs.	Total	2010	Required
33-0000	Protective Service Occupations	1,600	1,869	269	16.8	27	34	61	n/a	n/a
33-1000	Supervisors of Protective Service Workers	157	176	19	12.1	2	6	8	n/a	n/a
33-1011	First-Line Supervisors of Correctional Officers	35	36	1	2.9	0	1	1	\$29.48	7
33-1012	First-Line Supervisors of Police and Detectives	*	*	*	*	*	*	*	n/a	7
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	*	*	*	*	*	*	*	n/a	5
33-1099	First-Line Supervisors of Protective Service Workers, All Other	86	103	17	19.8	2	3	5	\$11.27	7
33-2000	Fire Fighting and Prevention Workers	38	42	4	10.5	0	1	1	n/a	n/a
33-2011	Firefighters	*	*	*	*	*	*	*	n/a	5
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	n/a	7
33-3000	Law Enforcement Workers	696	737	41	5.9	4	15	19	n/a	n/a
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	7
33-3012	Correctional Officers and Jailers	471	495	24	5.1	2	8	10	\$16.62	7
33-3021	Detectives and Criminal Investigators	*	*	*	*	*	*	*	n/a	7
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	n/a	7
33-3051	Police and Sheriff's Patrol Officers	213	230	17	8.0	2	6	8	\$17.48	7
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	n/a	7
33-9000	Other Protective Service Workers	709	914	205	28.9	20	13	33	n/a	n/a
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	7
33-9021	Private Detectives and Investigators	*	*	*	*	*	*	*	n/a	6
33-9032	Security Guards	666	865	199	29.9	20	11	31	\$9.10	7
33-9099	Protective Service Workers, All Other	33	38	5	15.2	0	2	2	\$13.06	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Food Preparation & Serving Related Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
35-0000	Food Preparation and Serving Related Occupations	4,136	4,299	163	3.9	19	134	153	\$9.54	n/a
35-1000	Supervisors of Food Preparation and Serving Workers	341	354	13	3.8	1	7	8	n/a	n/a
35-1011	Chefs and Head Cooks	*	*	*	*	*	*	*	n/a	7
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	*	*	*	*	*	*	*	\$13.43	7
35-2000	Cooks and Food Preparation Workers	1,497	1,554	57	3.8	8	39	47	n/a	n/a
35-2011	Cooks, Fast Food	93	85	-8	-8.6	0	2	2	n/a	8
35-2012	Cooks, Institution and Cafeteria	402	384	-18	-4.5	0	9	9	\$10.06	8
35-2014	Cooks, Restaurant	444	472	28	6.3	3	10	13	\$11.10	8
35-2015	Cooks, Short Order	*	*	*	*	*	*	*	n/a	8
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	8
35-2021	Food Preparation Workers	495	537	42	8.5	4	18	22	\$9.03	8
35-3000	Food and Beverage Serving Workers	2,118	2,213	95	4.5	10	77	87	n/a	n/a
35-3011	Bartenders	*	*	*	*	*	*	*	n/a	8
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,288	1,361	73	5.7	7	36	43	\$8.28	8
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	30	31	1	3.3	0	2	2	\$8.97	8
35-3031	Waiters and Waitresses	761	779	18	2.4	2	38	40	\$9.52	8
35-3041	Food Servers, Nonrestaurant	*	*	*	*	*	*	*	n/a	8
35-9000	Other Food Preparation and Serving Related Workers	180	178	-2	-1.1	0	10	10	n/a	n/a
35-9021	Dishwashers	113	112	-1	-0.9	0	5	5	\$8.92	8
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	67	66	-1	-1.5	0	5	5	n/a	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area

Occupational Employment Outlook

Building, Grounds Cleaning & Maintenance Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
37-0000	Building and Grounds Cleaning and Maintenance Occupations	1,313	1,467	154	11.7	15	24	39	\$9.99	n/a
37-1000	Supervisors of Building & Grounds Cleaning & Maint. Workers	138	150	12	8.7	1	2	3	n/a	n/a
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	68	72	4	5.9	0	1	1	\$16.25	7
37-1012	First-Line Suprs. of Landsc., Lawn Service, & Groundskeeping Workers	70	78	8	11.4	1	1	2	\$15.48	7
37-2000	Building Cleaning and Pest Control Workers	1,035	1,152	117	11.3	12	19	31	n/a	n/a
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	705	761	56	7.9	6	13	19	\$9.49	8
37-2012	Maids and Housekeeping Cleaners	*	*	*	*	*	*	*	\$9.77	8
37-2021	Pest Control Workers	*	*	*	*	*	*	*	n/a	7
37-3000	Grounds Maintenance Workers	140	165	25	17.9	2	2	4	\$9.93	n/a
37-3011	Landscaping and Groundskeeping Workers	140	165	25	17.9	2	2	4	\$9.93	8
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	*	*	*		7
37-3013	Tree Trimmers and Pruners	*	*	*	*	*	*	*	n/a	7
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Personal Care & Service Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
39-0000	Personal Care and Service Occupations	691	901	210	30.4	21	20	41	\$11.18	n/a
39-1000	Supervisors of Personal Care and Service Workers	36	39	3	8.3	0	1	1	n/a	n/a
39-1021	First-Line Supervisors of Personal Service Workers	36	39	3	8.3	0	1	1	\$12.61	7
39-2000	Animal Care and Service Workers	38	48	10	26.3	1	1	2	n/a	n/a
39-2011	Animal Trainers	*	*	*	*	*	*	*	n/a	7
39-2021	Nonfarm Animal Caretakers	*	*	*	*	*	*	*	\$8.60	8
39-3000	Entertainment Attendants and Related Workers	81	97	16	19.8	2	5	7	n/a	n/a
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	n/a	8
39-3031	Ushers, Lobby Attendants, and Ticket Takers	35	40	5	14.3	0	2	2	n/a	8
39-3091	Amusement and Recreation Attendants	30	35	5	16.7	0	2	2	\$8.06	8
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	*	*	*	n/a	7
39-4000	Funeral Service Workers	101	115	14	13.9	1	3	4	n/a	n/a
39-4021	Funeral Attendants	31	32	1	3.2	0	2	2	n/a	7
39-4831	Funeral service managers, directors, morticians, and undertakers	70	83	13	18.6	1	1	2	n/a	8
39-5000	Personal Appearance Workers	39	47	8	20.5	1	1	2	n/a	n/a
39-5012	Hairdressers, Hairstylists, and Cosmetologists	39	47	8	20.5	1	1	2	n/a	5
39-7000	Tour and Travel Guides	*	*	*	*	*	*	*	n/a	n/a
39-7011	Tour Guides and Escorts	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

Occupational Employment Outlook

Personal Care & Service Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
39-9000	Other Personal Care and Service Workers	396	555	159	40.2	16	10	26	n/a	n/a
39-9011	Childcare Workers	145	180	35	24.1	4	5	9	n/a	7
39-9021	Personal Care Aides	71	134	63	88.7	6	1	7	n/a	8
39-9031	Fitness Trainers and Aerobics Instructors	*	*	*	*	*	*	*	n/a	7
39-9032	Recreation Workers	60	77	17	28.3	2	1	3	n/a	3
39-9041	Residential Advisors	99	140	41	41.4	4	4	8	NA	6
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Sales & Related Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
41-0000	Sales and Related Occupations	5,505	6,104	599	10.9	60	175	235	\$11.98	n/a
41-1000	Supervisors of Sales Workers	1,296	1,402	106	8.2	11	31	42	n/a	n/a
41-1011	First-Line Supervisors of Retail Sales Workers	1,126	1,219	93	8.3	9	26	35	\$15.29	7
41-1012	First-Line Supervisors of Non-Retail Sales Workers	170	183	13	7.7	1	4	5	\$35.35	7
41-2000	Retail Sales Workers	3,380	3,768	388	11.5	39	124	163	n/a	n/a
41-2011	Cashiers	1,547	1,616	69	4.5	7	70	77	\$8.60	8
41-2021	Counter and Rental Clerks	143	165	22	15.4	2	3	5	\$9.72	8
41-2022	Parts Salespersons	150	177	27	18.0	3	6	9	\$12.55	8
41-2031	Retail Salespersons	1,540	1,810	270	17.5	27	45	72	\$10.13	8
41-3000	Sales Representatives, Services	229	252	23	10.0	2	6	8	n/a	n/a
41-3011	Advertising Sales Agents	*	*	*	*	*	*	*	\$21.38	7
41-3021	Insurance Sales Agents	70	85	15	21.4	2	2	4	\$19.62	7
41-3031	Securities, Commodities, and Financial Services Sales Agents	*	*	*	*	*	*	*	n/a	3
41-3099	Sales Representatives, Services, All Other	104	110	6	5.8	1	3	4	\$13.86	7
41-4000	Sales Representatives, Wholesale and Manufacturing	384	434	50	13.0	5	9	14	n/a	n/a
41-4011	Sales Representatives, Wholesale & Manu., Tech. & Scientific Products	46	55	9	19.6	1	1	2	\$22.68	3
41-4012	Sales Reps., Wholesale & Manu., Except Tech. & Scientific Products	338	379	41	12.1	4	8	12	\$22.60	7
41-9000	Other Sales and Related Workers	216	248	32	14.8	3	5	8	n/a	n/a
41-9011	Demonstrators and Product Promoters	49	52	3	6.1	0	1	1	n/a	7
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	7
41-9022	Real Estate Sales Agents	149	175	26	17.5	3	3	6	\$25.93	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	n/a	3
41-9041	Telemarketers	*	*	*	*	*	*	*	n/a	8
41-9799	Sales and Related Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Office & Administration Support Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
43-0000 Office and Administrative Support Occupations		7,703	8,665	962	12.5	103	160	263	\$13.16	n/a
43-1000 Supervisors of Office and Administrative Support Workers		482	558	76	15.8	8	13	21	n/a	n/a
43-1011	First-Line Supervisors of Office and Administrative Support Workers	482	558	76	15.8	8	13	21	\$19.81	7
43-2000 Communications Equipment Operators		59	45	-14	-23.7	0	1	1	n/a	n/a
43-2011	Switchboard Operators, Including Answering Service	59	45	-14	-23.7	0	1	1	\$11.72	7
43-3000 Financial Clerks		1,600	1,845	245	15.3	24	28	52	n/a	n/a
43-3011	Bill and Account Collectors	50	53	3	6.0	0	1	1	\$12.92	7
43-3021	Billing and Posting Clerks	395	487	92	23.3	9	7	16	\$14.68	7
43-3031	Bookkeeping, Accounting, and Auditing Clerks	879	1,017	138	15.7	14	10	24	\$14.16	7
43-3041	Gaming Cage Workers	*	*	*	*	*	*	*	n/a	7
43-3051	Payroll and Timekeeping Clerks	48	57	9	18.8	1	1	2	\$15.54	7
43-3061	Procurement Clerks	*	*	*	*	*	*	*	n/a	7
43-3071	Tellers	217	220	3	1.4	0	9	9	\$11.05	7
43-4000 Information and Record Clerks		1,824	2,205	381	20.9	39	52	91	n/a	n/a
43-4031	Court, Municipal, and License Clerks	189	204	15	7.9	2	5	7	\$12.04	7
43-4041	Credit Authorizers, Checkers, and Clerks	*	*	*	*	*	*	*	n/a	7
43-4051	Customer Service Representatives	660	866	206	31.2	21	19	40	\$11.31	7
43-4061	Eligibility Interviewers, Government Programs	57	59	2	3.5	0	2	2	\$14.27	4
43-4071	File Clerks	60	62	2	3.3	0	2	2	\$9.54	7
43-4081	Hotel, Motel, and Resort Desk Clerks	81	89	8	9.9	1	3	4	\$10.89	7
43-4111	Interviewers, Except Eligibility and Loan	97	112	15	15.5	2	2	4	\$13.29	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

Occupational Employment Outlook

Office & Administration Support Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
43-4121	Library Assistants, Clerical	*	*	*	*	*	*	*	\$9.25	7
43-4131	Loan Interviewers and Clerks	100	94	-6	-6.0	0	2	2	\$12.27	7
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	7
43-4151	Order Clerks	38	41	3	7.9	0	1	1	\$12.69	7
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30	37	7	23.3	1	1	2	\$15.92	7
43-4171	Receptionists and Information Clerks	445	576	131	29.4	13	14	27	\$10.65	7
43-4199	Information and Record Clerks, All Other	43	41	-2	-4.7	0	1	1	\$14.59	7
43-5000	Material Recording, Scheduling, Dispatch., & Distributing Wrks.	1,291	1,305	14	1.1	5	31	36	n/a	n/a
43-5021	Couriers and Messengers	36	37	1	2.8	0	1	1	\$9.69	7
43-5031	Police, Fire, and Ambulance Dispatchers	47	61	14	29.8	1	1	2	\$17.13	7
43-5032	Dispatchers, Except Police, Fire, and Ambulance	37	46	9	24.3	1	1	2	\$15.86	7
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	n/a	7
43-5051	Postal Service Clerks	39	27	-12	-30.8	0	1	1	\$23.17	7
43-5052	Postal Service Mail Carriers	46	55	9	19.6	1	2	3	\$23.79	7
43-5053	Postal Ser. Mail Sorters, Processors, & Processing Mach. Operators	78	55	-23	-29.5	0	0	0	\$14.80	7
43-5061	Production, Planning, and Expediting Clerks	34	37	3	8.8	0	1	1	\$24.43	7
43-5071	Shipping, Receiving, and Traffic Clerks	133	134	1	0.8	0	3	3	\$16.83	7
43-5081	Stock Clerks and Order Fillers	792	800	8	1.0	1	20	21	\$10.31	8
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	*	*	*	*	*	*	*	n/a	7
43-6000	Secretaries and Administrative Assistants	1,741	1,908	167	9.6	17	23	40	n/a	n/a
43-6011	Executive Secretaries and Executive Administrative Assistants	417	452	35	8.4	4	6	10	\$18.03	7
43-6012	Legal Secretaries	350	344	-6	-1.7	0	5	5	\$13.97	7
43-6013	Medical Secretaries	332	461	129	38.9	13	4	17	\$12.82	7
43-6014	Secretaries & Adm. Assistants, Except Legal, Medical, & Executive	642	651	9	1.4	1	9	10	\$12.01	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Office & Administration Support Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
43-9000	Other Office and Administrative Support Workers	706	799	93	13.2	10	13	23	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	n/a	7
43-9021	Data Entry Keyers	38	35	-3	-7.9	0	1	1	\$15.00	7
43-9022	Word Processors and Typists	*	*	*	*	*	*	*	n/a	7
43-9041	Insurance Claims and Policy Processing Clerks	*	*	*	*	*	*	*	n/a	7
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	*	*	*	*	*	*	*	n/a	7
43-9061	Office Clerks, General	600	696	96	16.0	10	11	21	\$12.39	7
43-9071	Office Machine Operators, Except Computer	*	*	*	*	*	*	*	n/a	7
43-9081	Proofreaders and Copy Markers	*	*	*	*	*	*	*	n/a	3
43-9799	Office and Administrative Support Workers, All Other	31	32	1	3.2	0	1	1	\$13.67	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Farming, Fishing & Forestry Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
45-0000	Farming, Fishing, and Forestry Occupations	266	262	-4	-1.5	0	8	8	\$15.53	n/a
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	*	*	*	*	*	*	*	n/a	n/a
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	*	*	*	*	*	*	*	n/a	7
45-2000	Agricultural Workers	240	234	-6	-2.5	0	7	7	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	3
45-2021	Animal Breeders	*	*	*	*	*	*	*	n/a	7
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	*	*	*	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	8
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	184	177	-7	-3.8	0	6	6	n/a	8
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	*	*	*	*	*	*	*	n/a	8
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	8
45-3000	Fishing and Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers and Related Fishing Workers	*	*	*	*	*	*	*	n/a	8
45-4000	Forest, Conservation, and Logging Workers	*	*	*	*	*	*	*	n/a	n/a
45-4021	Fallers	*	*	*	*	*	*	*	n/a	7
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	7
45-4023	Log Graders and Scalers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Construction & Extraction Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
47-0000	Construction and Extraction Occupations	5,778	6,404	626	11	63	125	188	\$21.10	n/a
47-1000	Supervisors of Construction and Extraction Workers	823	923	100	12	10	19	29	n/a	n/a
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	823	923	100	12	10	19	29	\$27.22	7
47-2000	Construction Trades Workers	3,286	3,718	432	13	43	70	113	n/a	n/a
47-2021	Brickmasons and Blockmasons	35	51	16	46	2	1	3	n/a	7
47-2031	Carpenters	211	257	46	22	5	4	9	\$20.42	7
47-2041	Carpet Installers	*	*	*	*	*	*	*	n/a	8
47-2051	Cement Masons and Concrete Finishers	46	61	15	33	2	1	3	\$14.08	8
47-2061	Construction Laborers	512	610	98	19	10	4	14	\$15.43	8
47-2071	Paving, Surfacing, and Tamping Equipment Operators	144	178	34	24	3	3	6	n/a	7
47-2073	Operating Engineers and Other Construction Equipment Operators	1,640	1,762	122	7	12	38	50	\$19.65	7
47-2081	Drywall and Ceiling Tile Installers	*	*	*	*	*	*	*	n/a	8
47-2111	Electricians	375	402	27	7	3	10	13	\$25.46	7
47-2121	Glaziers	*	*	*	*	*	*	*	n/a	7
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	7
47-2141	Painters, Construction and Maintenance	37	42	5	14	0	1	1	\$15.07	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Construction & Extraction Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
47-2151	Pipelayers	*	*	*	*	*	*	*	n/a	7
47-2152	Plumbers, Pipefitters, and Steamfitters	196	248	52	26.5	5	6	11	\$16.93	7
47-2181	Roofers	*	*	*	*	*	*	*	n/a	8
47-2211	Sheet Metal Workers	*	*	*	*	*	*	*	n/a	7
47-2221	Structural Iron and Steel Workers	*	*	*	*	*	*	*	n/a	7
47-3000	Helpers, Construction Trades	*	*	*	*	*	*	*	n/a	n/a
47-3011	Helpers-Brickmasons, Blockmasons, Stonemasons, & Tile & Marble Set.	*	*	*	*	*	*	*	n/a	8
47-3012	Helpers--Carpenters	*	*	*	*	*	*	*	n/a	8
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	*	*	*	n/a	7
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	n/a	8
47-4000	Other Construction and Related Workers	164	180	16	9.8	2	4	6	n/a	n/a
47-4011	Construction and Building Inspectors	*	*	*	*	*	*	*	\$17.69	7
47-4041	Hazardous Materials Removal Workers	35	39	4	11.4	0	1	1	n/a	7
47-4051	Highway Maintenance Workers	78	83	5	6.4	0	2	2	\$13.40	7
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	*	*	*	n/a	7
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	8
47-4799	Construction and Related Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

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

Big Sandy Area

Occupational Employment Outlook

Construction & Extraction Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
47-5000	Extraction Workers	1,482	1,547	65	4.4	6	31	37	n/a	n/a
47-5011	Derrick Operators, Oil and Gas	*	*	*	*	*	*	*	n/a	8
47-5012	Rotary Drill Operators, Oil and Gas	83	91	8	9.6	1	2	3	n/a	8
47-5013	Service Unit Operators, Oil, Gas, and Mining	45	49	4	8.9	0	1	1	\$22.74	8
47-5021	Earth Drillers, Except Oil and Gas	237	237	0	0.0	0	5	5	\$20.03	7
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	147	148	1	0.7	0	3	3	\$21.72	7
47-5041	Continuous Mining Machine Operators	123	133	10	8.1	1	3	4	\$26.35	7
47-5042	Mine Cutting and Channeling Machine Operators	47	51	4	8.5	0	1	1	n/a	7
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	7
47-5061	Roof Bolters, Mining	233	257	24	10.3	2	5	7	\$26.99	7
47-5071	Roustabouts, Oil and Gas	33	34	1	3.0	0	1	1	\$17.34	8
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	\$17.54	7
47-5099	Extraction Workers, All Other	277	285	8	2.9	1	6	7	\$19.10	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Installation, Maintenance & Repair Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
49-0000	Installation, Maintenance, and Repair Occupations	3,010	3,433	423	14.1	43	64	107	\$19.19	n/a
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	186	197	11	5.9	1	5	6	n/a	n/a
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	186	197	11	5.9	1	5	6	\$27.33	7
49-2000	Electrical & Electronic Equip. Mechs., Installers, & Repairers	274	285	11	4.0	1	4	5	n/a	n/a
49-2011	Computer, Automated Teller, and Office Machine Repairers	*	*	*	*	*	*	*	n/a	5
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	*	*	*	*	*	*	*	n/a	4
49-2022	Telecom. Equipment Installers & Repairers, Except Line Installers	239	250	11	4.6	1	4	5	\$24.57	5
49-2093	Electrical and Electronics Installers & Repairers, Trans. Equipment	*	*	*	*	*	*	*	n/a	5
49-2094	Electrical & Electronics Repairers, Comm. & Industrial Equipment	*	*	*	*	*	*	*	n/a	5
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation, & Relay	*	*	*	*	*	*	*	n/a	5
49-3000	Vehicle & Mobile Equip. Mechanics, Installers, & Repairers	976	1,115	139	14.2	14	24	38	n/a	n/a
49-3021	Automotive Body and Related Repairers	178	195	17	9.6	2	4	6	\$26.28	7
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	*	*	*	n/a	7
49-3023	Automotive Service Technicians and Mechanics	221	261	40	18.1	4	6	10	\$12.30	7
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	188	213	25	13.3	2	4	6	\$17.44	7
49-3041	Farm Equipment Mechanics and Service Technicians	*	*	*	*	*	*	*	n/a	7
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	256	284	28	10.9	3	7	10	\$21.14	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	7
49-3052	Motorcycle Mechanics	43	54	11	25.6	1	1	2	\$13.05	7
49-3093	Tire Repairers and Changers	42	50	8	19.1	1	1	2	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

Occupational Employment Outlook

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

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
49-9000	Other Installation, Maintenance, and Repair Occupations	1,574	1,836	262	16.7	27	30	57	n/a	n/a
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	*	*	*	*	*	*	*	\$27.05	7
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	157	202	45	28.7	4	3	7	\$19.90	5
49-9031	Home Appliance Repairers	37	41	4	10.8	0	1	1	n/a	7
49-9041	Industrial Machinery Mechanics	388	481	93	24.0	9	8	17	\$19.77	7
49-9043	Maintenance Workers, Machinery	188	197	9	4.8	1	4	5	\$23.22	7
49-9051	Electrical Power-Line Installers and Repairers	38	36	-2	-5.3	0	1	1	n/a	7
49-9052	Telecommunications Line Installers and Repairers	155	210	55	35.5	6	3	9	n/a	7
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	n/a	4
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	*	*	*	n/a	4
49-9071	Maintenance and Repair Workers, General	497	560	63	12.7	6	9	15	\$15.19	7
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	*	*	*	n/a	7
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	n/a	5
49-9799	Installation, Maintenance, and Repair Workers, All Other	83	79	-4	-4.8	0	2	2	\$18.40	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

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

Big Sandy Area Occupational Employment Outlook

Production Occupations

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
51-0000	Production Occupations	1,998	2,075	77	3.9	10	42	52	\$16.93	n/a
51-1000	Supervisors of Production Workers	199	200	1	0.5	0	3	3	n/a	n/a
51-1011	First-Line Supervisors of Production and Operating Workers	199	200	1	0.5	0	3	3	\$30.26	5
51-2000	Assemblers and Fabricators	80	87	7	8.8	1	2	3	n/a	n/a
51-2092	Team Assemblers	*	*	*	*	*	*	*	n/a	7
51-2099	Assemblers and Fabricators, All Other	*	*	*	*	*	*	*	n/a	7
51-3000	Food Processing Workers	167	180	13	7.8	1	5	6	n/a	n/a
51-3011	Bakers	*	*	*	*	*	*	*	n/a	8
51-3021	Butchers and Meat Cutters	53	56	3	5.7	0	2	2	n/a	8
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	*	*	*	n/a	8
51-3023	Slaughterers and Meat Packers	*	*	*	*	*	*	*	n/a	8
51-3092	Food Batchmakers	*	*	*	*	*	*	*	n/a	7
51-3093	Food Cooking Machine Operators and Tenders	75	80	5	6.7	0	2	2	n/a	7
51-4000	Metal Workers and Plastic Workers	758	783	25	3.3	3	15	18	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4012	Comp. Numerically Controlled Mach. Tool Programmers, Metal & Plastic	*	*	*	*	*	*	*	n/a	7
51-4023	Rolling Machine Setters, Opts. & Tenders, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4031	Cutting, Punching, & Press Machine SOT Metal & Plastic **	40	42	2	5.0	0	0	0	n/a	7
51-4032	Drilling & Boring Machine Tool SOT Metal & Plastic **	*	*	*	*	*	*	*	n/a	7
51-4033	Grinding, Lapping, Polishing, & Buffing Mach.Tool SOT, Metal & Plastic**	*	*	*	*	*	*	*	n/a	7
51-4041	Machinists	393	400	7	1.8	1	7	8	\$14.60	7
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4072	Molding, Coremaking, and Casting Machine SOT, Metal and Plastic	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

** SOT- Setters, Operators, Tenders

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
51-4081	Multiple Machine Tool SOT Metal and Plastic **	87	85	-2	-2.3	0	2	2	n/a	7
51-4111	Tool and Die Makers	*	*	*	*	*	*	*	n/a	7
51-4121	Welders, Cutters, Solderers, and Brazers	190	200	10	5.3	1	5	6	\$16.51	7
51-4122	Welding, Soldering, and Brazing Machine SOT **	*	*	*	*	*	*	*	n/a	7
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	*	*	*	n/a	7
51-5000	Printing Workers	68	60	-8	-11.8	0	2	2	n/a	n/a
51-5111	Prepress Technicians and Workers	*	*	*	*	*	*	*	\$9.72	5
51-5112	Printing Press Operators	42	36	-6	-14.3	0	1	1	\$10.34	7
51-5113	Print Binding and Finishing Workers	*	*	*	*	*	*	*	n/a	7
51-6000	Textile, Apparel, and Furnishings Workers	*	*	*	*	*	*	*	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	*	*	*	*	*	*	*	n/a	8
51-6031	Sewing Machine Operators	*	*	*	*	*	*	*	n/a	8
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	n/a	7
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	7
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	*	*	*	n/a	7
51-7000	Woodworkers	53	66	13	24.5	1	1	2	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	*	*	*	n/a	7
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	7
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	53	66	13	24.5	1	1	2	n/a	7
51-7042	Woodworking Machine SOT, Except Sawing **	*	*	*	*	*	*	*	n/a	7
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

** SOT- Setters, Operators, Tenders

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

Big Sandy Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
51-8000	Plant and System Operators	161	157	-4	-2.5	1	5	6	n/a	n/a
51-8021	Stationary Engineers and Boiler Operators	*	*	*	*	*	*	*	n/a	7
51-8031	Water and Wastewater Treatment Plant and System Operators	80	88	8	10.0	1	2	3	\$14.08	7
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	7
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	50	41	-9	-18.0	0	2	2	n/a	7
51-9000	Other Production Occupations	487	519	32	6.6	3	10	13	n/a	n/a
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine SOT**	74	81	7	9.5	1	1	2	\$23.48	7
51-9021	Crushing, Grinding, and Polishing Machine SOT **	*	*	*	*	*	*	*	\$18.14	7
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	*	*	*	n/a	8
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	38	39	1	2.6	0	1	1	n/a	7
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	n/a	7
51-9041	Extruding, Forming, Pressing, and Compacting Machine SOT**	*	*	*	*	*	*	*	n/a	7
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	36	43	7	19.4	1	1	2	\$16.10	7
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 50

** SOT- Setters, Operators, Tenders

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

Big Sandy Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
51-9111	Packaging and Filling Machine Operators and Tenders	149	151	2	1.3	0	2	2	\$13.11	7
51-9121	Coating, Painting, & Spraying Machine Setters, Operators, & Tenders	*	*	*	*	*	*	*	n/a	7
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	n/a	7
51-9123	Painting, Coating, and Decorating Workers	*	*	*	*	*	*	*	n/a	7
51-9151	Photographic Process Workers and Processing Machine Operators	*	*	*	*	*	*	*	n/a	7
51-9191	Adhesive Bonding Machine Operators and Tenders	*	*	*	*	*	*	*	n/a	7
51-9192	Cleaning, Washing, & Metal Pickling Equipment Operators & Tenders	*	*	*	*	*	*	*	n/a	8
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-9196	Paper Goods Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	n/a	7
51-9198	Helpers--Production Workers	61	70	9	14.8	1	1	2	\$13.36	8
51-9399	Production Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Transportation & Material Moving Occs.

Occupational		Employment		Change		Job Openings			Avg. Wage 2010	Educ/ Training Required
		2010	2020	2010	2020	Avg. Annual 2010-2020				
Code	Title	Estimated	Projected	Number	Percent	Gro.	Seps.	Total		
53-0000	Transportation and Material Moving Occupations	4,617	5,213	596	12.9	63	108	171	\$16.07	n/a
53-1000	Supervisors of Transportation and Material Moving Workers	101	130	29	28.7	3	2	5	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	7
53-1021	First-Line Supervisors of Helpers, Laborers, & Material Movers, Hand	*	*	*	*	*	*	*	\$19.79	7
53-1031	First-Line Super. of Transp. & Material-Moving Mach. & Veh. Operators	73	89	16	21.9	2	2	4	\$23.36	7
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	*	*	*	n/a	3
53-3000	Motor Vehicle Operators	2,861	3,259	398	13.9	42	55	97	n/a	n/a
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	*	*	*	n/a	7
53-3022	Bus Drivers, School or Special Client	438	411	-27	-6.2	0	8	8	\$16.18	7
53-3031	Driver/Sales Workers	70	80	10	14.3	1	1	2	\$10.71	7
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,702	1,985	283	16.6	28	34	62	\$15.27	7
53-3033	Light Truck or Delivery Services Drivers	454	536	82	18.1	8	9	17	\$14.23	7
53-3041	Taxi Drivers and Chauffeurs	171	215	44	25.7	4	2	6	\$8.24	8
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	n/a	7
53-4000	Rail Transportation Workers	191	195	4	2.1	1	6	7	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	7
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	7
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	*	*	*	n/a	7
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	*	*	*	n/a	7
53-4031	Railroad Conductors and Yardmasters	64	68	4	6.3	0	2	2	n/a	7
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Big Sandy Area Occupational Employment Outlook

Transportation & Material Moving Occs. (cont'd)

Occupational		Employment		Change		Job Openings			Avg. Wage	Educ/ Training
Code	Title	2010 Estimated	2020 Projected	2010 Number	2020 Percent	Avg. Annual 2010-2020			2010	Required
						Gro.	Seps.	Total		
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-5021	Captains, Mates, and Pilots of Water Vessels	*	*	*	*	*	*	*	n/a	3
53-6000	Other Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-6031	Automotive and Watercraft Service Attendants	*	*	*	*	*	*	*	n/a	8
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	6
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	7
53-7000	Material Moving Workers	1,435	1,592	157	10.9	16	43	59	n/a	n/a
53-7011	Conveyor Operators and Tenders	*	*	*	*	*	*	*	\$20.98	8
53-7021	Crane and Tower Operators	*	*	*	*	*	*	*	n/a	8
53-7032	Excavating and Loading Machine and Dragline Operators	251	291	40	15.9	4	7	11	\$21.04	8
53-7033	Loading Machine Operators, Underground Mining	62	66	4	6.5	0	2	2	\$23.85	8
53-7041	Hoist and Winch Operators	*	*	*	*	*	*	*	n/a	8
53-7051	Industrial Truck and Tractor Operators	117	127	10	8.6	1	3	4	\$15.82	8
53-7061	Cleaners of Vehicles and Equipment	136	164	28	20.6	3	4	7	\$9.41	8
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	394	457	63	16.0	6	13	19	\$13.50	8
53-7063	Machine Feeders and Offbearers	*	*	*	*	*	*	*	n/a	8
53-7064	Packers and Packagers, Hand	182	180	-2	-1.1	0	5	5	\$10.71	8
53-7073	Wellhead Pumpers	67	71	4	6.0	0	2	2	\$23.83	8
53-7081	Refuse and Recyclable Material Collectors	68	73	5	7.4	0	2	2	\$11.02	8
53-7111	Mine Shuttle Car Operators	*	*	*	*	*	*	*	\$25.09	8
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 50

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Educational/Training Classifications

The Bureau of Labor Statistics (BLS) provides individual assignments to each occupation for three dimensions: education; work experience in a related field; and on-the-job training. The objective of this system is to present a complete picture of the education and training needed for entry into a given occupation and to become competent at performing the occupation.

Entry Level Education: Represents the typical education level needed to enter an occupation. There are eight possible assignments for this category.

- 1) **Doctoral or Professional Degree:** Completion of a doctoral degree (Ph.D.) usually requires at least 3 years of full-time academic work beyond a bachelor's degree. Completion of a professional degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree. Examples of occupations for which a professional degree is the typical form of entry-level education include lawyers, physicians and surgeons, and dentists.
- 2) **Master's Degree:** Completion of this degree usually requires 1 or 2 years of full-time academic study beyond a bachelor's degree. Examples of occupations in this category include statisticians, physician assistants, and educational, vocational, and school counselors.
- 3) **Bachelor's Degree:** Completion of this degree generally requires at least 4 years, but not more than 5 years, of full-time academic study beyond high school. Examples of occupations in this category include budget analysts, dietitians, and civil engineers.
- 4) **Associate's Degree:** Completion of this degree usually requires at least 2 years but not more than 4 years of full-time academic study beyond high school. Examples of occupations in this category include mechanical drafters, respiratory therapists, and dental hygienists.
- 5) **Postsecondary Non-Degree Award:** These programs lead to a certificate or other award, but not a degree. The certificate is awarded by the educational institution and is the result of completing formal postsecondary schooling. Certification, which is issued by a professional organization or certifying body, is not included here. Some postsecondary non-degree award programs last only a few weeks, while others may last 1 to 2 years. Examples of occupations in this category include nursing aides, emergency medical technicians (EMTs) and paramedics, and hairstylists.
- 6) **Some College, No Degree:** This category signifies the achievement of a high school diploma or equivalent plus the completion of one or more postsecondary courses that did not result in a degree or award. Examples of occupations in this category are actors and computer support specialists.
- 7) **High School Diploma or Equivalent:** This category signifies the completion of high school or an equivalent program resulting in the award of a high school diploma or an equivalent, such as the General Educational Development (GED) credential. Examples of occupations in this category include social and human service assistants and pharmacy technicians.
- 8) **Less than High School:** This category signifies the completion of any level of primary or secondary education that did not result in the award of a high school diploma or equivalent. Examples of occupations in this category include janitors and cleaners, cashiers, and carpet installers.

Work Experience in a Related Occupation: For some occupations, work experience in a related occupation may be a typical method of entry. The majority of occupations in this category are first-line supervisors or managers of service, sales, and production occupations. Although work experience in a related occupation is beneficial for all occupations, this metric is meant to capture work experience that is commonly considered necessary by employers, or is a commonly accepted substitute for other, more formal types of training or education. Occupations are assigned one of the following four categories that deal with length of time spent gaining related work experience:

- 1) **More than 5 years:** This is assigned to occupations if more than 5 years of work experience in a related occupation is typically needed for entry. Examples include construction managers and computer and information systems managers.
- 2) **1 to 5 years:** To enter occupations in this category, workers typically need 1-5 years of work experience in a related occupation. Examples include marketing managers and database administrators.

- 3) **Less than 1 year:** Examples of occupations that typically need less than 1 year of work experience in a related occupation include restaurant cooks and industrial truck and tractor operators.
- 4) **None:** No work experience in a related occupation is typically needed. Examples are audiologists and actuaries.

Typical On-The-Job Training Needed to Attain Competency in the Occupation: This category encompasses any additional training or preparation that is typically needed, once employed in an occupation, to attain competency in the skills needed in that occupation. Training is occupation-specific rather than job-specific; skills learned can be transferred to another job in the same occupation. Occupations are assigned one of the following six training categories:

- 1) **Internship/Residency:** An internship or residency is training that involves preparation in a field such as medicine or teaching, generally under supervision in a professional setting, such as a hospital or classroom. This type of training may occur before one is employed. Completion of an internship or residency program is commonly required for state licensure or certification in fields including medicine, counseling, architecture, and teaching. This category does not include internships that are suggested for advancement. Examples of occupations in the internship/residency category include physicians and surgeons and marriage and family therapists.
- 2) **Apprenticeship:** An apprenticeship is a formal relationship between a worker and sponsor that consists of a combination of on-the-job training and related occupation-specific technical instruction in which the worker learns the practical and theoretical aspects of an occupation. Apprenticeship programs are sponsored by individual employers, joint employer-and-labor groups, and employer associations. The typical apprenticeship program provides at least 144 hours of occupation-specific technical instruction and 2,000 hours of on-the-job training per year over a 3-to-5 year period. Examples of occupations in the apprenticeship category include electricians and structural iron and steel workers.
- 3) **Long-Term On-The-Job Training:** More than 12 months of on-the-job training or, alternatively, combined work experience and formal classroom instruction, are needed for workers to develop the skills to attain competency. Training is occupation specific rather than job specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Such programs include those offered by fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—nuclear power reactor operators, for example—trainees take formal courses, often provided at the jobsite, to prepare for the required licensing exams. This category excludes apprenticeships. Examples of occupations in the long-term on-the-job training category include opticians and automotive service technicians and mechanics.
- 4) **Moderate-Term On-The-Job Training:** Skills needed for a worker to attain competency in an occupation that can be acquired during 1 to 12 months of combined on-the-job experience and informal training. Training is occupation-specific rather than job-specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Examples of occupations in the moderate-term category include school bus drivers and advertising sales agents.
- 5) **Short-Term On-The-Job Training:** Skills needed for a worker to attain competency in an occupation that can be acquired during 1 month or less of on-the-job experience and informal training. Training is occupation-specific rather than job specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer sponsored training programs. Examples of occupations in the short-term category include retail salespersons and maids and housekeeping cleaners.
- 6) **None:** There is no additional occupation-specific training or preparation typically required to attain competency in the occupation. Examples of occupations that do not require occupation-specific on-the-job training include geographers and pharmacists.