

Barren River Area Occupational Outlook to 2018



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



**Barren River Area
Occupational Outlook to 2018**

**STEVEN L. BESHEAR
Governor**

**A LABOR MARKET INFORMATION PUBLICATION BY:
RESEARCH AND STATISTICS BRANCH**

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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

Barren River 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 *Barren River Area Occupational Outlook to 2018* 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 2008 to 2018.

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 2008 through 2018. 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 2008-2018 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 2008-2018 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>.

BARREN RIVER HIGHLIGHTS 2008-2018

- ✓ Employment is projected to grow from 128,669 to 137,455, a gain of 6.8 percent.
- ✓ Total annual job openings are expected to be about 4,040.
- ✓ Growth in employment will create about 1,148 job openings annually.
- ✓ Approximately 2,892 annual job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Twenty-eight percent of job openings will result from growth; the remaining 72 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Office and Administrative Support Occupations (526), followed by Sales and Related Occupations (501) and Food Preparation and Serving Related Occupations (435).
- ✓ The two occupations with the largest projected number of annual job openings are Cashiers (154) and Combined Food Preparation and Service Workers (152).
- ✓ The highest growth rates among occupational groups are likely to be in Occupational and Physical Therapist Assistant and Aide Occupations (34.1%), followed by Health Diagnosing and Treating Practitioner Occupations (25.3%) and Fire Fighting and Prevention Worker Occupations (25.1%).
- ✓ Some specific occupations with the largest percentage change are Home Health Aides (42.2%), Occupational Therapists (36.3%) and Physical Therapists (35.6%).

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 indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.</p>

**Top 50
Fastest Growing Barren River Area Occupations**

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
1	31-1011	Home Health Aides	102	145	43	42.2	5
2	11-9039	Education Administrators, All Other	31	44	13	41.9	2
3	29-1122	Occupational Therapists	193	263	70	36.3	11
4	27-3091	Interpreters and Translators	39	53	14	35.9	2
5	29-1123	Physical Therapists	222	301	79	35.6	11
6	31-2021	Physical Therapist Assistants	68	92	24	35.3	3
7	15-1031	Computer Software Engineers, Applications	77	104	27	35.1	4
8	25-9031	Instructional Coordinators	90	121	31	34.4	5
9	29-2056	Veterinary Technologists and Technicians	54	72	18	33.3	3
10	29-1131	Veterinarians	33	43	10	30.3	2
11	31-9091	Dental Assistants	185	240	55	29.7	10
12	29-1126	Respiratory Therapists	147	190	43	29.3	7
13	29-2055	Surgical Technologists	144	186	42	29.2	8
14	47-3012	Helpers--Carpenters	79	102	23	29.1	4
15	29-2021	Dental Hygienists	107	138	31	29.0	5
16	31-9092	Medical Assistants	470	605	135	28.7	19
17	19-4021	Biological Technicians	42	54	12	28.6	3
18	29-2052	Pharmacy Technicians	403	518	115	28.5	22
19	29-2031	Cardiovascular Technologists and Technicians	109	140	31	28.4	5
20	25-2041	Spec. Ed. Teachers, Pre., Kinder. & Elem. School **	238	305	67	28.2	13
21	25-2042	Special Education Teachers, Middle School **	75	96	21	28.0	4
22	29-1127	Speech-Language Pathologists	120	153	33	27.5	5
23	13-1041	Compliance Ofcr., Excl. Ag., Constr., Health & Trans.	128	163	35	27.3	5
24	33-2011	Fire Fighters	202	256	54	26.7	11
25	13-2052	Personal Financial Advisors	88	111	23	26.1	3

Top 50 (cont.)
Fastest Growing Barren River Area Occupations

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
26	49-9021	Heating, A.C. & Refrigeration Mech. & Installers	333	420	87	26.1	14
27	39-3099	Entertainment Attend. & Related Workers, Other	46	58	12	26.1	3
28	15-1081	Network Systems & Data Communications Analysts	100	126	26	26.0	5
29	29-1111	Registered Nurses	2,017	2,541	524	26.0	87
30	39-9021	Personal and Home Care Aides	31	39	8	25.8	1
31	13-1073	Training and Development Specialists	93	117	24	25.8	4
32	25-1125	History Teachers, Postsecondary **	35	44	9	25.7	2
33	39-9031	Fitness Trainers and Aerobics Instructors	333	418	85	25.5	15
34	25-9099	Education, Training, and Library Workers, All Other	100	125	25	25.0	5
35	27-2022	Coaches and Scouts	169	211	42	24.9	7
36	25-2021	Elementary School Teachers, Excl. Special Ed. **	1,427	1,780	353	24.7	67
37	21-1014	Mental Health Counselors	81	101	20	24.7	4
38	51-8031	Water & Liquid Waste Treatment Plant & Sys. Ops.	106	132	26	24.5	5
39	43-5031	Police, Fire, and Ambulance Dispatchers	208	259	51	24.5	9
40	25-1081	Education Teachers, Postsecondary **	74	92	18	24.3	3
41	25-1121	Art, Drama, and Music Teachers, Postsecondary **	74	92	18	24.3	3
42	49-2098	Security and Fire Alarm Systems Installers	95	118	23	24.2	4
43	21-1093	Social and Human Service Assistants	339	421	82	24.2	15
44	25-2012	Kindergarten Teachers, Excl. Special Education **	104	129	25	24.0	5
45	25-2022	Middle School Teachers, Excl. Special & Voc. Ed. **	432	535	103	23.8	20
46	25-1194	Vocational Education Teachers, Postsecondary	127	157	30	23.6	5
47	25-1011	Business Teachers, Postsecondary **	68	84	16	23.5	3
48	25-1021	Computer Science Teachers, Postsecondary **	51	63	12	23.5	2
49	25-1122	Communications Teachers, Postsecondary **	64	79	15	23.4	3
50	23-2011	Paralegals and Legal Assistants	270	333	63	23.3	9

**Top 50
Barren River Area Occupations with Most Annual Job Openings**

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
1	41-2011	Cashiers	3,233	3,318	85	2.6	154
2	35-3021	Combined Food Preparation & Service Workers	3,842	4,544	702	18.3	152
3	41-2031	Retail Salespersons	4,163	4,476	313	7.5	147
4	35-3031	Waiters and Waitresses	1,453	1,589	136	9.4	94
5	29-1111	Registered Nurses	2,017	2,541	524	26.0	87
6	43-4051	Customer Service Representatives	1,657	1,960	303	18.3	82
7	51-2092	Team Assemblers	3,339	3,133	-206	-6.2	75
8	41-1011	Managers of Retail Sales Workers	2,538	2,680	142	5.6	69
9	25-2021	Elementary School Teachers, Excl. Special Ed. **	1,427	1,780	353	24.7	67
10	43-5081	Stock Clerks and Order Fillers	2,247	2,377	130	5.8	65
11	53-7062	Laborers & Freight, Stock & Material Movers, Hand	1,854	1,826	-28	-1.5	60
12	31-1012	Nursing Aides, Orderlies, and Attendants	1,781	2,177	396	22.2	58
13	39-9011	Child Care Workers	1,293	1,459	166	12.8	55
14	25-9041	Teacher Assistants **	1,263	1,486	223	17.7	49
15	53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,767	1,867	100	5.7	42
16	37-2011	Janitors & Cleaners, Excl. Maids & Housekeeping	1,675	1,761	86	5.1	41
17	45-2092	Farmworkers & Laborers, Crop, Nursery	1,491	1,385	-106	-7.1	40
18	43-4171	Receptionists and Information Clerks	1,004	1,128	124	12.4	39
19	43-1011	Managers of Office & Admin. Support Workers	1,212	1,311	99	8.2	37
20	25-2031	Sec. School Teachers, Excl. Special and Voc. Ed. **	769	901	132	17.2	35
21	53-7051	Industrial Truck and Tractor Operators	1,173	1,139	-34	-2.9	35
22	11-1021	General and Operations Managers	1,219	1,177	-42	-3.4	35
23	43-9061	Office Clerks, General	1,371	1,506	135	9.8	33
24	43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,771	1,894	123	6.9	33
25	29-2061	Licensed Practical & Licensed Voc. Nurses	577	704	127	22.0	31

Top 50 (cont.)
Barren River Area Occupations with Most Annual Job Openings

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
26	43-3071	Tellers	622	663	41	6.6	30
27	35-2014	Cooks, Restaurant	767	852	85	11.1	29
28	35-2012	Cooks, Institution and Cafeteria	807	883	76	9.4	29
29	47-2031	Carpenters	1,084	1,225	141	13.0	28
30	49-9042	Maintenance and Repair Workers, General	1,158	1,254	96	8.3	28
31	35-3022	Counter Attendants, Cafeteria & Food Concession	307	348	41	13.4	27
32	43-6011	Executive Secretaries & Admin. Assistants	1,223	1,323	100	8.2	27
33	41-4012	Sales Reps., Wholesale & Manuf., Excl. Tech. & Sci.	1,164	1,160	-4	-0.3	27
34	51-9199	Production Workers, All Other	830	879	49	5.9	24
35	51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	1,436	1,337	-99	-6.9	24
36	21-1021	Child, Family, and School Social Workers	782	814	32	4.1	23
37	43-6014	Secretaries, Excl. Legal, Medical, and Executive	1,400	1,442	42	3.0	23
38	29-2052	Pharmacy Technicians	403	518	115	28.5	22
39	37-3011	Landscaping and Groundskeeping Workers	824	945	121	14.7	22
40	51-2099	Assemblers and Fabricators, All Other	959	822	-137	-14.3	22
41	47-2061	Construction Laborers	934	1,086	152	16.3	21
42	13-2011	Accountants and Auditors	656	760	104	15.9	21
43	47-1011	Managers of Constr. Trades & Extraction Workers	663	745	82	12.4	21
44	25-2022	Middle School Teachers, Excl. Special & Voc. Ed. **	432	535	103	23.8	20
45	31-9092	Medical Assistants	470	605	135	28.7	19
46	35-9031	Hosts & Hostesses, Restaurant & Lounge	223	248	25	11.2	19
47	41-2021	Counter and Rental Clerks	589	621	32	5.4	19
48	53-3033	Truck Drivers, Light or Delivery Services	909	938	29	3.2	19
49	51-9198	Helpers--Production Workers	1,057	992	-65	-6.1	19
50	47-2111	Electricians	662	681	19	2.9	18

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2008 2018		Job Growth 2008 2018		Average Annual Job Openings			Average Wage	Education/ Training Required		
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010			
<p>Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure.</p> <p>NOTE: Alphabetical listing beginning on page 50 will help locate a specific occupation within the tables.</p>		<p>Estimated 2008 employment is based on the Occupational Employment Statistics (OES) Survey of employers.</p> <p>Projected 2018 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2008 and 2018.</p> <p>NOTE: The occupational employment estimates for 2008 to 2018 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 2008 to 2018 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 7.5 percent between 2008-2018.</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 2008 and 2018.</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 2010 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 49 of this report.</p>	

Barren River Area Occupational Employment Outlook

Management Occupations

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
00-0000 Total, All Occupations		128,669	137,455	8,786	6.83	1,148	2,892	4,040	18.21	n/a
11-0000 Management Occupations		6,148	6,446	298	4.85	38	141	179	40.00	n/a
11-1000	Top Executives	1,521	1,476	-45	-2.96	0	44	44	n/a	n/a
11-1011	Chief Executives	*	*	*	*	*	*	*	66.40	4
11-1021	General and Operations Managers	1,219	1,177	-42	-3.45	0	35	35	42.16	4
11-1031	Legislators	*	*	*	*	*	*	*	14.31	4
11-2000	Adv., Market., Promo., P.R. & Sales Managers	405	439	34	8.40	4	9	13	n/a	n/a
11-2011	Advertising and Promotions Managers	*	*	*	*	*	*	*	27.94	4
11-2021	Marketing Managers	*	*	*	*	*	*	*	45.99	4
11-2022	Sales Managers	196	212	16	8.16	2	4	6	44.25	4
11-2031	Public Relations Managers	96	109	13	13.54	1	2	3	33.19	4
11-3000	Operations Specialties Managers	1,023	1,047	24	2.35	4	24	28	n/a	n/a
11-3011	Administrative Services Managers	64	73	9	14.06	1	1	2	33.25	4
11-3021	Computer and Information Systems Mgrs.	80	90	10	12.50	1	1	2	45.86	4
11-3031	Financial Managers	388	406	18	4.64	2	7	9	39.81	4
11-3041	Compensation and Benefits Managers	*	*	*	*	*	*	*	34.01	4
11-3042	Training and Development Managers	*	*	*	*	*	*	*	33.75	4
11-3049	Human Resources Managers, All Other	69	71	2	2.90	0	2	2	41.11	4
11-3051	Industrial Production Managers	227	214	-13	-5.73	0	8	8	39.37	8
11-3061	Purchasing Managers	72	70	-2	-2.78	0	2	2	40.82	4
11-3071	Transportation, Storage, & Distribution Mgrs.	80	82	2	2.50	0	2	2	37.37	8
11-9000	Other Management Occupations	3,199	3,484	285	8.91	30	64	94	n/a	n/a
11-9011	Farm, Ranch, and Other Agricultural Mgrs.	677	691	14	2.07	1	14	15	22.66	4
11-9012	Farmers and Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Managers	539	612	73	13.54	7	4	11	32.81	5
11-9031	Education Admin., Preschool and Child Care	47	52	5	10.64	1	1	2	22.74	4
11-9032	Education Admin., Elementary and Secondary	255	295	40	15.69	4	8	12	n/a	4
11-9033	Education Administrators, Postsecondary	53	58	5	9.43	1	2	3	43.87	4
11-9039	Education Administrators, All Other	31	44	13	41.94	1	1	2	30.69	4
11-9041	Engineering Managers	116	111	-5	-4.31	0	2	2	48.32	4
11-9051	Food Service Managers	281	306	25	8.90	3	6	9	22.26	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Management Occupations (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
11-9061	Funeral Directors	*	*	*	*	*	*	*	21.15	6
11-9071	Gaming Managers	*	*	*	*	*	*	*	n/a	8
11-9081	Lodging Managers	61	63	2	3.28	0	1	1	23.20	8
11-9111	Medical and Health Services Managers	205	243	38	18.54	4	4	8	39.34	4
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	41.56	4
11-9131	Postmasters and Mail Superintendents	47	41	-6	-12.77	0	1	1	26.93	8
11-9141	Property, Real Estate, Community Assoc. Mgrs.	267	291	24	8.99	2	5	7	21.35	5
11-9151	Social and Community Service Managers	175	197	22	12.57	2	4	6	26.19	5
11-9199	Managers, All Other	409	442	33	8.07	3	11	14	39.25	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Business & Financial Operations Occs.

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
13-0000 Business and Financial Operations Occupations		3,180	3,576	396	12.45	40	62	102	26.17	n/a
13-1000	Business Operations Specialists	1,715	1,921	206	12.01	21	38	59	n/a	n/a
13-1011	Agents & Mgrs.- Artists, Performers & Athletes	*	*	*	*	*	*	*	39.68	4
13-1021	Purchasing Agents and Buyers, Farm Products	*	*	*	*	*	*	*	30.22	9
13-1022	Wholesale & Retail Buyers, Excl. Farm Products	75	74	-1	-1.33	0	2	2	23.51	9
13-1023	Purchasing Agents, Excl. Wholesale, Retail & Farm	203	220	17	8.37	2	5	7	24.74	9
13-1031	Claims Adjusters, Examiners, and Investigators	57	60	3	5.26	0	1	1	26.54	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	24.53	7
13-1041	Compliance Ofcr., Excl. Ag., Constr., Health & Trans.	128	163	35	27.34	4	1	5	22.09	9
13-1051	Cost Estimators	126	150	24	19.05	2	3	5	25.49	5
13-1061	Emergency Management Specialists	*	*	*	*	*	*	*	18.08	8
13-1071	Employment, Recruitment & Placement Specialists	126	153	27	21.43	3	3	6	19.53	5
13-1072	Compensation, Benefits & Job Analysis Specialists	45	52	7	15.56	1	1	2	27.46	5
13-1073	Training and Development Specialists	93	117	24	25.81	2	2	4	23.17	5
13-1079	Human Res., Trng. & Labor Relations Spec., Other	147	172	25	17.01	3	4	7	23.21	5
13-1081	Logisticians	*	*	*	*	*	*	*	30.93	5
13-1111	Management Analysts	210	216	6	2.86	1	4	5	33.10	4
13-1121	Meeting and Convention Planners	*	*	*	*	*	*	*	18.94	5
13-1199	Business Operations Specialists, All Other	449	484	35	7.80	4	10	14	28.23	5
13-2000	Financial Specialists	1,465	1,655	190	12.97	19	24	43	n/a	n/a
13-2011	Accountants and Auditors	656	760	104	15.85	10	11	21	26.98	5
13-2021	Appraisers and Assessors of Real Estate	191	203	12	6.28	1	4	5	25.43	6
13-2031	Budget Analysts	*	*	*	*	*	*	*	26.60	5
13-2041	Credit Analysts	*	*	*	*	*	*	*	31.38	5
13-2051	Financial Analysts	49	55	6	12.24	1	1	2	32.06	5
13-2052	Personal Financial Advisors	88	111	23	26.14	2	1	3	33.84	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	25.05	5
13-2061	Financial Examiners	*	*	*	*	*	*	*	34.95	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	18.82	5
13-2072	Loan Officers	204	225	21	10.29	2	2	4	25.15	10
13-2081	Tax Examiners, Collectors, and Revenue Agents	30	33	3	10.00	0	1	1	22.20	5
13-2082	Tax Preparers	111	113	2	1.80	0	2	2	13.24	10
13-2099	Financial Specialists, All Other	61	65	4	6.56	0	1	1	25.10	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Barren River Area

Computer & Mathematical Occupations

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
15-0000 Computer and Mathematical Occupations		1,034	1,136	102	9.86	11	21	32	29.46	n/a
15-1000	Computer Specialists	999	1,095	96	9.61	11	20	31	n/a	n/a
15-1011	Computer and Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	55	43	-12	-21.82	0	1	1	32.94	5
15-1031	Computer Software Engineers, Applications	77	104	27	35.06	3	1	4	33.90	5
15-1032	Computer Software Engineers, Systems Software	85	92	7	8.24	1	1	2	38.46	5
15-1041	Computer Support Specialists	233	241	8	3.43	1	6	7	19.31	6
15-1051	Computer Systems Analysts	253	276	23	9.09	2	6	8	33.94	5
15-1061	Database Administrators	*	*	*	*	*	*	*	28.52	5
15-1071	Network and Computer Systems Administrators	143	153	10	6.99	1	2	3	25.23	5
15-1081	Network Systems & Data Communications Analysts	100	126	26	26.00	3	2	5	28.71	5
15-1099	Computer Specialists, All Other	38	41	3	7.89	0	1	1	32.16	6
15-2000	Mathematical Scientists	35	41	6	17.14	1	1	2	n/a	n/a
15-2011	Actuaries	*	*	*	*	*	*	*	39.47	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	35	41	6	17.14	1	1	2	32.40	3
15-2041	Statisticians	*	*	*	*	*	*	*	30.18	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	25.65	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Architecture & Engineering Occupations

Occupational Employment Outlook

Occupational Code	Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
17-0000 Architecture and Engineering Occupations		1,435	1,473	38	2.65	7	32	39	30.16	n/a
17-1000	Architects, Surveyors, and Cartographers	37	44	7	18.92	1	1	2	n/a	n/a
17-1011	Architects, Excl. Landscape and Naval	*	*	*	*	*	*	*	29.63	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	24.72	5
17-1021	Cartographers and Photogrammetrists	*	*	*	*	*	*	*	20.53	5
17-1022	Surveyors	*	*	*	*	*	*	*	23.83	5
17-2000	Engineers	824	845	21	2.55	4	20	24	n/a	n/a
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	46.45	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	40.88	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	*	*	*	*	*	*	*	42.62	5
17-2051	Civil Engineers	60	68	8	13.33	1	1	2	33.46	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	45.48	5
17-2071	Electrical Engineers	66	65	-1	-1.52	0	2	2	37.85	5
17-2072	Electronics Engineers, Excl. Computer	47	56	9	19.15	1	1	2	39.45	5
17-2081	Environmental Engineers	37	40	3	8.11	0	1	1	33.57	5
17-2111	Health & Safety Engineers., Excl. Mining Safety	33	31	-2	-6.06	0	1	1	33.77	5
17-2112	Industrial Engineers	361	375	14	3.88	1	9	10	33.89	5
17-2121	Marine Engineers and Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	35.19	5
17-2141	Mechanical Engineers	142	135	-7	-4.93	0	4	4	33.72	5
17-2151	Mining & Geological Engineers., Incl. Mining Safety	*	*	*	*	*	*	*	35.79	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	37.46	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	46.53	5
17-2199	Engineers, All Other	37	34	-3	-8.11	0	1	1	35.59	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Architecture & Engineering Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
17-3000	Drafters, Engineering, and Mapping Technicians	574	584	10	1.74	3	11	14	n/a	n/a
17-3011	Architectural and Civil Drafters	71	77	6	8.45	1	2	3	18.19	7
17-3012	Electrical and Electronics Drafters	*	*	*	*	*	*	*	27.34	7
17-3013	Mechanical Drafters	45	38	-7	-15.56	0	1	1	20.89	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	22.35	7
17-3021	Aerospace Engineering and Operations Techs.	*	*	*	*	*	*	*	25.57	6
17-3022	Civil Engineering Technicians	137	142	5	3.65	1	3	4	21.26	6
17-3023	Electrical and Electronic Engineering Technicians	95	94	-1	-1.05	0	2	2	25.64	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	23.48	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	20.53	6
17-3026	Industrial Engineering Technicians	67	70	3	4.48	0	1	1	22.82	6
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	22.27	6
17-3029	Engineering Techs., Except Drafters, All Other	*	*	*	*	*	*	*	22.02	6
17-3031	Surveying and Mapping Technicians	60	70	10	16.67	1	1	2	16.84	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Life, Physical & Social Science Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
19-0000	Life, Physical, and Social Science Occupations	831	911	80	9.63	9	26	35	24.83	n/a
19-1000	Life Scientists	118	127	9	7.63	1	2	3	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	30.52	2
19-1012	Food Scientists and Technologists	*	*	*	*	*	*	*	32.09	5
19-1013	Soil and Plant Scientists	*	*	*	*	*	*	*	25.25	5
19-1021	Biochemists and Biophysicists	*	*	*	*	*	*	*	25.02	2
19-1022	Microbiologists	*	*	*	*	*	*	*	24.33	2
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	27.66	2
19-1031	Conservation Scientists	64	68	4	6.25	0	1	1	31.54	5
19-1032	Foresters	*	*	*	*	*	*	*	21.10	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	26.23	3
19-1042	Medical Scientists, Excl. Epidemiologists	*	*	*	*	*	*	*	25.10	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	25.09	5
19-2000	Physical Scientists	196	203	7	3.57	1	6	7	n/a	n/a
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	67.82	2
19-2021	Atmospheric and Space Scientists	*	*	*	*	*	*	*	43.73	5
19-2031	Chemists	131	128	-3	-2.29	0	4	4	28.91	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	29.43	5
19-2041	Environmental Scientists & Specialists, Incl. Health	*	*	*	*	*	*	*	26.06	3
19-2042	Geoscientists, Excl. Hydrologists & Geographers	*	*	*	*	*	*	*	29.11	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	31.56	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

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

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
19-3000	Social Scientists and Related Workers	204	227	23	11.27	2	6	8	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	27.67	3
19-3021	Market Research Analysts	48	47	-1	-2.08	0	1	1	30.58	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	21.18	5
19-3031	Clinical, Counseling, and School Psychologists	103	118	15	14.56	2	3	5	26.66	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	35.29	3
19-3051	Urban and Regional Planners	*	*	*	*	*	*	*	20.03	3
19-3091	Anthropologists and Archeologists	*	*	*	*	*	*	*	23.10	3
19-3092	Geographers	*	*	*	*	*	*	*	31.53	3
19-3093	Historians	*	*	*	*	*	*	*	18.82	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	28.60	3
19-4000	Life, Physical, and Social Science Technicians	313	354	41	13.10	4	12	16	n/a	n/a
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	16.64	6
19-4021	Biological Technicians	42	54	12	29	1	2	3	16.20	5
19-4031	Chemical Technicians	63	64	1	1.59	0	1	1	19.60	6
19-4041	Geological and Petroleum Technicians	*	*	*	*	*	*	*	26.86	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	16.37	6
19-4091	Environmental Sci. & Protection Techs., Incl. Health	102	112	10	9.80	1	4	5	19.96	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	20.27	5
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	n/a	6
19-4099	Life, Physical & Social Science Techs., All Other	85	102	17	20.00	2	4	6	18.39	6

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Community & Social Service Occupations

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
21-0000 Community and Social Services Occupations		2,182	2,499	317	14.53	32	50	82	18.41	n/a
21-1000	Counselors, Social Workers, Other Specialists	2,149	2,462	313	14.56	31	49	80	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	34	41	7	20.59	1	1	2	16.95	5
21-1012	Educational, Vocational, and School Counselors	234	281	47	20.09	5	5	10	27.16	3
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	*	20.79	3
21-1014	Mental Health Counselors	81	101	20	24.69	2	2	4	18.20	3
21-1015	Rehabilitation Counselors	207	251	44	21.26	4	4	8	17.38	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	13.76	3
21-1021	Child, Family, and School Social Workers	782	814	32	4.09	3	20	23	18.16	5
21-1022	Medical and Public Health Social Workers	74	88	14	18.92	1	2	3	20.05	5
21-1023	Mental Health & Substance Abuse Social Workers	206	246	40	19.42	4	5	9	18.00	3
21-1029	Social Workers, All Other	56	64	8	14.29	1	1	2	23.89	5
21-1091	Health Educators	*	*	*	*	*	*	*	18.55	5
21-1092	Probation Officers & Correctional Treatment Spec.	66	74	8	12.12	1	1	2	18.36	5
21-1093	Social and Human Service Assistants	339	421	82	24.19	8	7	15	12.30	10
21-1099	Community & Social Service Specialists, All Other	*	*	*	*	*	*	*	18.05	5
21-2000	Religious Workers	33	37	4	12.12	0	1	1	n/a	n/a
21-2011	Clergy	*	*	*	*	*	*	*	23.01	3
21-2021	Directors, Religious Activities and Education	*	*	*	*	*	*	*	37.84	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	10.81	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Legal Occupations

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
23-0000 Legal Occupations		786	895	109	13.87	12	13	25	34.32	n/a
23-1000	Lawyers, Judges, and Related Workers	458	505	47	10.26	5	9	14	n/a	n/a
23-1011	Lawyers	394	445	51	12.94	5	7	12	47.36	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Officers	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators, and Conciliators	*	*	*	*	*	*	*	29.07	4
23-1023	Judges, Magistrate Judges, and Magistrates	35	31	-4	-11	0	1	1	62.50	4
23-2000	Legal Support Workers	328	390	62	18.90	7	4	11	n/a	n/a
23-2011	Paralegals and Legal Assistants	270	333	63	23.33	6	3	9	19.38	6
23-2091	Court Reporters	*	*	*	*	*	*	*	24.70	7
23-2092	Law Clerks	*	*	*	*	*	*	*	16.25	5
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	16.98	10
23-2099	Legal Support Workers, All Other	*	*	*	*	*	*	*	19.98	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Education, Training & Library Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
25-0000 Education, Training, and Library Occupations		7,004	8,496	1,492	21.30	149	153	302	22.32	n/a
25-1000	Postsecondary Teachers	1,269	1,562	293	23.09	29	22	51	n/a	n/a
25-1011	Business Teachers, Postsecondary **	68	84	16	23.53	2	1	3	50.58	2
25-1021	Computer Science Teachers, Postsecondary **	51	63	12	23.53	1	1	2	44.24	2
25-1022	Mathematical Science Teachers, Postsecondary **	49	60	11	22.45	1	1	2	39.77	2
25-1031	Architecture Teachers, Postsecondary **	*	*	*	*	*	*	*	39.85	2
25-1032	Engineering Teachers, Postsecondary **	*	*	*	*	*	*	*	61.65	2
25-1041	Agricultural Sciences Teachers, Postsecondary **	*	*	*	*	*	*	*	50.43	2
25-1042	Biological Science Teachers, Postsecondary **	*	*	*	*	*	*	*	43.32	2
25-1043	Forestry & Conservation Sci. Teachers, Post. **	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post. **	*	*	*	*	*	*	*	44.93	2
25-1052	Chemistry Teachers, Postsecondary **	*	*	*	*	*	*	*	43.25	2
25-1053	Environmental Science Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Postsecondary **	*	*	*	*	*	*	*	42.43	2
25-1061	Anthropology and Archeology Teachers, Post. **	*	*	*	*	*	*	*	42.53	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post. **	*	*	*	*	*	*	*	40.78	2
25-1063	Economics Teachers, Postsecondary **	*	*	*	*	*	*	*	54.57	2
25-1064	Geography Teachers, Postsecondary **	*	*	*	*	*	*	*	38.31	2
25-1065	Political Science Teachers, Postsecondary **	*	*	*	*	*	*	*	45.01	2
25-1066	Psychology Teachers, Postsecondary **	52	64	12	23.08	1	1	2	41.14	2
25-1067	Sociology Teachers, Postsecondary **	*	*	*	*	*	*	*	36.75	2
25-1069	Social Sciences Teachers, Post., All Other **	*	*	*	*	*	*	*	37.74	2
25-1071	Health Specialties Teachers, Postsecondary **	79	97	18	22.78	2	1	3	64.95	2
25-1072	Nursing Instructors & Teachers, Postsecondary **	63	77	14	22.22	1	1	2	43.23	2
25-1081	Education Teachers, Postsecondary **	74	92	18	24	2	1	3	38.21	2
25-1082	Library Science Teachers, Postsecondary **	*	*	*	*	*	*	*	37.52	2
25-1111	Crim. Justice & Law Enforcement Teachers, Post. **	*	*	*	*	*	*	*	39.76	2
25-1112	Law Teachers, Postsecondary **	*	*	*	*	*	*	*	68.47	2
25-1113	Social Work Teachers, Postsecondary **	*	*	*	*	*	*	*	36.46	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

** Average hourly wages for these teacher occupations were calculated by assuming 9.5 working months per year at 40 hours per week.

Barren River Area

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

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
25-1121	Art, Drama, and Music Teachers, Postsecondary **	74	92	18	24.32	2	1	3	36.50	2
25-1122	Communications Teachers, Postsecondary **	64	79	15	23.44	2	1	3	36.59	2
25-1123	English Language & Lit. Teachers, Post. **	70	86	16	22.86	2	1	3	34.33	2
25-1124	Foreign Language and Literature Teachers, Post. **	*	*	*	*	*	*	*	34.67	2
25-1125	History Teachers, Postsecondary **	35	44	9	25.71	1	1	2	37.79	2
25-1126	Philosophy and Religion Teachers, Post. **	*	*	*	*	*	*	*	34.69	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	2
25-1192	Home Economics Teachers, Postsecondary **	31	38	7	22.58	1	1	2	45.80	2
25-1193	Recreation and Fitness Studies Teachers, Post. **	*	*	*	*	*	*	*	33.49	2
25-1194	Vocational Education Teachers, Postsecondary	127	157	30	23.62	3	2	5	23.58	2
25-1199	Postsecondary Teachers, All Other **	126	155	29	23.02	3	2	5	34.95	2
25-2000	Primary, Secondary & Special Ed. Teachers	3,529	4,317	788	22.33	79	85	164	n/a	n/a
25-2011	Preschool Teachers, Excl. Special Education	329	383	54	16.41	5	7	12	13.10	7
25-2012	Kindergarten Teachers, Excl. Special Education **	104	129	25	24.04	3	2	5	29.32	5
25-2021	Elementary School Teachers, Excl. Special Ed. **	1,427	1,780	353	24.74	35	32	67	29.01	5
25-2022	Middle School Teachers, Excl. Special & Voc. Ed. **	432	535	103	24	10	10	20	29.61	5
25-2023	Vocational Education Teachers, Middle School **	*	*	*	*	*	*	*	32.27	4
25-2031	Sec. School Teachers, Excl. Special and Voc. Ed. **	769	901	132	17.17	13	22	35	30.31	5
25-2032	Vocational Ed. Teachers, Secondary School **	*	*	*	*	*	*	*	33.82	4
25-2041	Spec. Ed. Teachers, Pre., Kinder. & Elem. School **	238	305	67	28.15	7	6	13	29.03	5
25-2042	Special Education Teachers, Middle School **	75	96	21	28.00	2	2	4	29.38	5
25-2043	Special Education Teachers, Secondary School **	127	155	28	22.05	3	3	6	29.88	5
25-3000	Other Teachers and Instructors	576	680	104	18.06	10	9	19	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	65	77	12	18.46	1	1	2	17.32	5
25-3021	Self-Enrichment Education Teachers	249	292	43	17.27	4	4	8	13.33	8
25-3099	Teachers and Instructors, All Other **	262	311	49	18.70	5	4	9	19.67	5
25-4000	Librarians, Curators, and Archivists	176	204	28	16	3	6	9	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	18.24	3
25-4012	Curators	*	*	*	*	*	*	*	22.95	3
25-4013	Museum Technicians and Conservators	*	*	*	*	*	*	*	17.29	5
25-4021	Librarians	120	138	18	15.00	2	3	5	25.17	3
25-4031	Library Technicians	*	*	*	*	*	*	*	13.10	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

** Average hourly wages for these teacher occupations were calculated by assuming 9.5 working months per year at 40 hours per week.

Barren River Area

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

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
25-9000	Other Education, Training, and Library Occupations	1,454	1,733	279	19.19	28	31	59	n/a	n/a
25-9011	Audio-Visual Collections Specialists	*	*	*	*	*	*	*	n/a	5
25-9021	Farm and Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	90	121	31	34.44	3	2	5	27.61	3
25-9041	Teacher Assistants **	1,263	1,486	223	17.66	22	27	49	n/a	11
25-9099	Education, Training, and Library Workers, All Other	100	125	25	25.00	3	2	5	21.44	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

** Average hourly wages for these teacher occupations were calculated by assuming 9.5 working months per year at 40 hours per week.

Barren River Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
27-0000	Arts, Design, Entertainment, Sports & Media Occs.	1,577	1,721	144	9.13	17	40	57	17.49	n/a
27-1000	Art and Design Workers	348	353	5	1.44	1	10	11	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	29.61	4
27-1012	Craft Artists	*	*	*	*	*	*	*	11.33	9
27-1013	Fine Artists, Incl. Painters, Sculptors & Illustrators	*	*	*	*	*	*	*	16.07	9
27-1014	Multi-Media Artists and Animators	*	*	*	*	*	*	*	25.41	5
27-1019	Artists and Related Workers, All Other	*	*	*	*	*	*	*	10.59	9
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	23.50	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	18.36	6
27-1023	Floral Designers	108	108	0	0.00	0	3	3	9.77	11
27-1024	Graphic Designers	132	131	-1	-0.76	0	4	4	17.45	5
27-1025	Interior Designers	*	*	*	*	*	*	*	17.30	6
27-1026	Merchandise Displayers and Window Trimmers	34	35	1	2.94	0	1	1	12.71	10
27-1027	Set and Exhibit Designers	*	*	*	*	*	*	*	15.35	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	13.74	5
27-2000	Entertainers, Performers, Sports & Related	218	267	49	22.48	5	5	10	n/a	n/a
27-2011	Actors	*	*	*	*	*	*	*	10.81	9
27-2012	Producers and Directors	42	49	7	16.67	1	1	2	19.10	4
27-2021	Athletes and Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches and Scouts	169	211	42	24.85	4	3	7	n/a	9
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	*	*	*	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	*	*	*	*	*	*	*	12.70	8
27-2041	Music Directors and Composers	*	*	*	*	*	*	*	16.63	4
27-2042	Musicians and Singers	*	*	*	*	*	*	*	17.70	9
27-2099	Entertainers & Performers, Sports & Related, Other	*	*	*	*	*	*	*	18.49	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

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

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
27-3000	Media and Communication Workers	640	688	48	7.50	7	16	23	n/a	n/a
27-3011	Radio and Television Announcers	216	203	-13	-6.02	0	6	6	11.77	9
27-3012	Public Address System and Other Announcers	*	*	*	*	*	*	*	10.12	10
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	17.13	5
27-3022	Reporters and Correspondents	63	53	-10	-15.87	0	2	2	17.86	5
27-3031	Public Relations Specialists	263	314	51	19.39	5	6	11	21.67	5
27-3041	Editors	*	*	*	*	*	*	*	21.42	5
27-3042	Technical Writers	*	*	*	*	*	*	*	25.88	5
27-3043	Writers and Authors	*	*	*	*	*	*	*	19.17	5
27-3091	Interpreters and Translators	39	53	14	35.90	1	1	2	19.13	9
27-3099	Media and Communication Workers, All Other	*	*	*	*	*	*	*	19.91	9
27-4000	Media and Communication Equipment Workers	371	413	42	11.32	4	9	13	n/a	n/a
27-4011	Audio and Video Equipment Technicians	*	*	*	*	*	*	*	19.60	7
27-4012	Broadcast Technicians	118	123	5	4.24	1	4	5	18.95	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	18.37	7
27-4021	Photographers	223	253	30	13.45	3	5	8	14.51	9
27-4031	Camera Operators, TV, Video & Motion Picture	*	*	*	*	*	*	*	20.85	5
27-4032	Film and Video Editors	*	*	*	*	*	*	*	18.18	5
27-4099	Media and Communication Equip. Workers, Other	*	*	*	*	*	*	*	19.47	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
29-0000 Healthcare Practitioners and Technical Occupations		6,070	7,514	1,444	23.79	144	123	267	29.73	n/a
29-1000	Health Diagnosing and Treating Practitioners	3,621	4,537	916	25.30	92	66	158	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	48.15	1
29-1021	Dentists, General	71	76	5	7.04	1	2	3	72.52	1
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	92.18	1
29-1029	Dentists, All Other	*	*	*	*	*	*	*	43.18	1
29-1031	Dietitians and Nutritionists	46	50	4	8.70	0	2	2	23.96	5
29-1041	Optometrists	*	*	*	*	*	*	*	57.32	1
29-1051	Pharmacists	270	316	46	17.04	5	6	11	51.31	1
29-1061	Anesthesiologists	164	199	35	21.34	4	3	7	n/a	1
29-1062	Family and General Practitioners	52	62	10	19.23	1	1	2	79.79	1
29-1063	Internists, General	*	*	*	*	*	*	*	91.24	1
29-1064	Obstetricians and Gynecologists	*	*	*	*	*	*	*	83.05	1
29-1065	Pediatricians, General	41	50	9	21.95	1	1	2	93.66	1
29-1066	Psychiatrists	*	*	*	*	*	*	*	86.58	1
29-1067	Surgeons	42	51	9	21.43	1	1	2	102.22	1
29-1069	Physicians and Surgeons, All Other	82	97	15	18.29	2	1	3	81.85	1
29-1071	Physician Assistants	*	*	*	*	*	*	*	39.81	3
29-1081	Podiatrists	*	*	*	*	*	*	*	70.21	1
29-1111	Registered Nurses	2,017	2,541	524	25.98	52	35	87	28.19	6
29-1121	Audiologists	*	*	*	*	*	*	*	37.82	1
29-1122	Occupational Therapists	193	263	70	36.27	7	4	11	34.25	3
29-1123	Physical Therapists	222	301	79	35.59	8	3	11	36.73	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	31.12	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	19.08	5
29-1126	Respiratory Therapists	147	190	43	29.25	4	3	7	21.62	6
29-1127	Speech-Language Pathologists	120	153	33	27.50	3	2	5	28.90	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	34.79	5
29-1131	Veterinarians	33	43	10	30.30	1	1	2	46.09	1
29-1199	Health Diagnosing & Treating Practitioners, Other	*	*	*	*	*	*	*	28.92	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

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

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
29-2000	Health Technologists and Technicians	2,388	2,904	516	21.61	52	56	108	n/a	n/a
29-2011	Medical and Clinical Laboratory Technologists	116	127	11	9.48	1	2	3	24.44	5
29-2012	Medical and Clinical Laboratory Technicians	111	132	21	18.92	2	2	4	17.14	6
29-2021	Dental Hygienists	107	138	31	28.97	3	2	5	27.01	6
29-2031	Cardiovascular Technologists and Technicians	109	140	31	28.44	3	2	5	20.12	6
29-2032	Diagnostic Medical Sonographers	31	36	5	16.13	1	0	1	27.13	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	27.90	6
29-2034	Radiologic Technologists and Technicians	226	267	41	18.14	4	3	7	22.23	6
29-2041	Emergency Medical Technicians and Paramedics	261	298	37	14.18	4	5	9	13.62	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	12.04	7
29-2052	Pharmacy Technicians	403	518	115	28.54	12	10	22	11.88	10
29-2053	Psychiatric Technicians	*	*	*	*	*	*	*	11.98	7
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	19.94	7
29-2055	Surgical Technologists	144	186	42	29.17	4	4	8	17.08	7
29-2056	Veterinary Technologists and Technicians	54	72	18	33.33	2	1	3	12.82	6
29-2061	Licensed Practical & Licensed Voc. Nurses	577	704	127	22.01	13	18	31	17.53	7
29-2071	Medical Records & Health Info. Technicians	104	126	22	21.15	2	2	4	15.24	6
29-2081	Opticians, Dispensing	61	66	5	8.20	1	1	2	16.20	9
29-2091	Orthotists and Prosthetists	*	*	*	*	*	*	*	34.86	5
29-2099	Health Technologists and Technicians, All Other	36	42	6	16.67	1	1	2	21.04	7
29-9000	Other Healthcare Practitioners & Technical Occs.	61	73	12	19.67	1	2	3	n/a	n/a
29-9011	Occupational Health and Safety Specialists	43	52	9	20.93	1	1	2	29.77	5
29-9012	Occupational Health and Safety Technicians	*	*	*	*	*	*	*	19.57	6
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	*	*	*	*	*	*	*	26.11	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Healthcare Support Occupations

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
31-0000 Healthcare Support Occupations		3,103	3,799	696	22.43	70	34	104	12.33	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	1,922	2,362	440	22.89	44	19	63	n/a	n/a
31-1011	Home Health Aides	102	145	43	42.16	4	1	5	10.49	11
31-1012	Nursing Aides, Orderlies, and Attendants	1,781	2,177	396	22.23	40	18	58	10.79	7
31-1013	Psychiatric Aides	39	40	1	2.56	0	0	0	12.29	11
31-2000	Occupational & Physical Therapist Assis. & Aides	82	110	28	34.15	3	1	4	n/a	n/a
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	24.71	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	14.60	11
31-2021	Physical Therapist Assistants	68	92	24	35.29	2	1	3	23.02	6
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	12.35	11
31-9000	Other Healthcare Support Occupations	1,099	1,327	228	20.75	24	14	38	n/a	n/a
31-9011	Massage Therapists	*	*	*	*	*	*	*	16.68	7
31-9091	Dental Assistants	185	240	55	29.73	6	4	10	15.38	10
31-9092	Medical Assistants	470	605	135	28.72	14	5	19	12.88	10
31-9093	Medical Equipment Preparers	*	*	*	*	*	*	*	13.02	11
31-9094	Medical Transcriptionists	114	123	9	7.89	1	1	2	13.99	7
31-9095	Pharmacy Aides	112	105	-7	-6.25	0	1	1	10.91	11
31-9096	Veterinary Assist. & Laboratory Animal Caretakers	42	50	8	19.05	1	1	2	10.09	11
31-9099	Healthcare Support Workers, All Other	130	150	20	15.38	2	1	3	14.65	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Protective Service Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
33-0000	Protective Service Occupations	1,678	1,908	230	13.71	23	49	72	15.46	n/a
33-1000	Managers, Protective Service Workers	174	193	19	10.92	2	8	10	n/a	n/a
33-1011	Managers of Correctional Officers	*	*	*	*	*	*	*	21.92	8
33-1012	Managers of Police and Detectives	88	96	8	9.09	1	4	5	28.68	8
33-1021	Managers of Fire Fighting and Prevention Workers	*	*	*	*	*	*	*	25.25	8
33-1099	Managers, Protective Service Workers, All Other	41	45	4	9.76	0	2	2	18.09	8
33-2000	Fire Fighting and Prevention Workers	219	274	55	25.11	6	7	13	n/a	n/a
33-2011	Fire Fighters	202	256	54	26.73	5	6	11	16.53	9
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	20.22	8
33-2022	Forest Fire Inspectors and Prevention Specialists	*	*	*	*	*	*	*	n/a	8
33-3000	Law Enforcement Workers	853	963	110	12.90	11	21	32	n/a	n/a
33-3011	Bailiffs	60	69	9	15	1	1	2	10.75	10
33-3012	Correctional Officers and Jailers	247	285	38	15.38	4	6	10	14.19	10
33-3021	Detectives and Criminal Investigators	58	66	8	13.79	1	1	2	27.56	8
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	19.13	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	12.88	11
33-3051	Police and Sheriff's Patrol Officers	468	522	54	11.54	5	12	17	18.59	9
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	Other Protective Service Workers	432	478	46	10.65	5	15	20	n/a	n/a
33-9011	Animal Control Workers	*	*	*	*	*	*	*	11.20	10
33-9021	Private Detectives and Investigators	37	45	8	21.62	1	1	2	16.74	8
33-9031	Gaming Surveillance Ofc's. & Gaming Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	250	266	16	6.40	2	5	7	11.61	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	11.80	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	*	*	*	*	*	*	*	8.34	11
33-9099	Protective Service Workers, All Other	86	99	13	15.12	1	6	7	14.90	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Food Preparation & Serving Related Occs.

Occupational Employment Outlook

Occupational Code	Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
35-0000	Food Preparation and Serving Related Occupations	10,022	11,357	1,335	13.32	134	301	435	9.10	n/a
35-1000	Supervisors, Food Preparation & Serving Workers	*	*	*	*	*	*	*	n/a	n/a
35-1011	Chefs and Head Cooks	*	*	*	*	*	*	*	19.74	8
35-1012	Managers of Food Preparation & Serving Workers	*	*	*	*	*	*	*	13.37	8
35-2000	Cooks and Food Preparation Workers	2,462	2,700	238	9.67	24	66	90	n/a	n/a
35-2011	Cooks, Fast Food	420	468	48	11.43	5	11	16	7.95	11
35-2012	Cooks, Institution and Cafeteria	807	883	76	9.42	8	21	29	10.69	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	767	852	85	11.08	9	20	29	9.59	9
35-2015	Cooks, Short Order	121	123	2	1.65	0	3	3	8.01	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	10.50	10
35-2021	Food Preparation Workers	346	373	27	7.80	3	12	15	9.51	11
35-3000	Food and Beverage Serving Workers	5,868	6,786	918	15.64	92	192	284	n/a	n/a
35-3011	Bartenders	179	200	21	11.73	2	6	8	8.81	11
35-3021	Combined Food Preparation & Service Workers	3,842	4,544	702	18.27	70	82	152	7.97	11
35-3022	Counter Attendants, Cafeteria & Food Concession	307	348	41	13.36	4	23	27	8.32	11
35-3031	Waiters and Waitresses	1,453	1,589	136	9.36	14	80	94	8.41	11
35-3041	Food Servers, Nonrestaurant	87	105	18	20.69	2	2	4	9.65	11
35-9000	Other Food Preparation and Serving Related Workers	620	691	71	11.45	7	32	39	n/a	n/a
35-9011	Dining Room, Cafeteria Attend. & Bartender Help.	216	234	18	8.33	2	9	11	8.02	11
35-9021	Dishwashers	*	*	*	*	*	*	*	8.46	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	223	248	25	11.21	3	16	19	8.16	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	11.60	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
37-0000 Building & Grounds Cleaning & Maintenance Occs.		3,975	4,205	230	5.79	25	66	91	10.66	n/a
37-1000 Supervisors, Bldg. & Grounds Cleaning Workers		402	438	36	8.96	4	4	8	n/a	n/a
37-1011	Managers of Housekeeping & Janitorial Workers	254	272	18	7.09	2	3	5	14.73	8
37-1012	Managers of Landscaping, Lawn & Grounds. Work.	148	166	18	12.16	2	2	4	17.19	8
37-2000 Building Cleaning and Pest Control Workers		2,733	2,807	74	2.71	9	51	60	n/a	n/a
37-2011	Janitors & Cleaners, Excl. Maids & Housekeeping	1,675	1,761	86	5.13	9	32	41	10.34	11
37-2012	Maids and Housekeeping Cleaners	1,010	991	-19	-1.88	0	18	18	8.97	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	10.79	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	13.02	10
37-3000 Grounds Maintenance Workers		840	960	120	14.29	12	10	22	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	824	945	121	14.68	12	10	22	10.88	11
37-3012	Pesticide Handlers, Sprayers & Applicators, Veg.	*	*	*	*	*	*	*	12.76	10
37-3013	Tree Trimmers and Pruners	*	*	*	*	*	*	*	12.09	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	12.70	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Personal Care & Service Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
39-0000	Personal Care and Service Occupations	3,677	4,249	572	15.56	57	101	158	10.92	n/a
39-1000	Supervisors, Personal Care and Service Workers	294	334	40	13.61	4	8	12	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	18.79	8
39-1012	Slot Key Persons	*	*	*	*	*	*	*	n/a	7
39-1021	Managers of Personal Service Workers	294	334	40	13.61	4	8	12	13.77	8
39-2000	Animal Care and Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-2011	Animal Trainers	*	*	*	*	*	*	*	16.75	10
39-2021	Nonfarm Animal Caretakers	*	*	*	*	*	*	*	9.89	11
39-3000	Entertainment Attendants and Related Workers	196	231	35	18	4	10	14	n/a	n/a
39-3011	Gaming Dealers	*	*	*	*	*	*	*	9.33	7
39-3012	Gaming and Sports Book Writers and Runners	*	*	*	*	*	*	*	14.38	11
39-3019	Gaming Service Workers, All Other	*	*	*	*	*	*	*	n/a	10
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	9.55	11
39-3031	Ushers, Lobby Attendants, and Ticket Takers	*	*	*	*	*	*	*	8.53	11
39-3091	Amusement and Recreation Attendants	117	139	22	19	2	6	8	8.42	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	11.78	11
39-3093	Locker Room, Coatroom & Dressing Room Attend.	*	*	*	*	*	*	*	9.48	11
39-3099	Entertainment Attend. & Related Workers, Other	46	58	12	26.09	1	2	3	9.27	10
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	16.67	7
39-4021	Funeral Attendants	*	*	*	*	*	*	*	9.54	11
39-5000	Personal Appearance Workers	312	376	64	20.51	6	5	11	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	12.76	7
39-5012	Hairdressers, Hairstylists, and Cosmetologists	312	376	64	21	6	5	11	11.55	7
39-5092	Manicurists and Pedicurists	*	*	*	*	*	*	*	9.72	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Specialists	*	*	*	*	*	*	*	14.49	7
39-6000	Transportation, Tourism, and Lodging Attendants	280	306	26	9	3	12	15	n/a	n/a
39-6011	Baggage Porters and Bellhops	*	*	*	*	*	*	*	9.00	11
39-6012	Concierges	*	*	*	*	*	*	*	12.62	10
39-6021	Tour Guides and Escorts	280	306	26	9.29	3	12	15	11.00	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Excl. Flight Attend. & Bag Porters	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Personal Care & Service Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
39-9000	Other Personal Care and Service Workers	2,242	2,592	350	15.61	35	58	93	n/a	n/a
39-9011	Child Care Workers	1,293	1,459	166	12.84	17	38	55	8.97	11
39-9021	Personal and Home Care Aides	31	39	8	25.81	1	0	1	8.56	11
39-9031	Fitness Trainers and Aerobics Instructors	333	418	85	25.53	9	6	15	13.60	7
39-9032	Recreation Workers	328	385	57	17.38	6	6	12	11.99	11
39-9041	Residential Advisors	179	201	22	12.29	2	6	8	10.40	11
39-9099	Personal Care and Service Workers, All Other	78	90	12	15.38	1	2	3	10.35	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Sales & Related Occupations

Occupational Employment Outlook

Occupational Code	Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
41-0000	Sales and Related Occupations	14,581	15,283	702	4.81	74	427	501	15.16	n/a
41-1000	Supervisors, Sales Workers	3,093	3,254	161	5.21	16	66	82	n/a	n/a
41-1011	Managers of Retail Sales Workers	2,538	2,680	142	5.60	14	55	69	16.26	8
41-1012	Managers of Non-Retail Sales Workers	555	574	19	3.42	2	12	14	28.15	8
41-2000	Retail Sales Workers	8,369	8,788	419	5.01	43	291	334	n/a	n/a
41-2011	Cashiers	3,233	3,318	85	2.63	9	145	154	8.37	11
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter and Rental Clerks	589	621	32	5.43	3	16	19	9.98	11
41-2022	Parts Salespersons	*	*	*	*	*	*	*	12.54	10
41-2031	Retail Salespersons	4,163	4,476	313	7.52	31	116	147	10.74	11
41-3000	Sales Representatives, Services	927	985	58	6.26	6	23	29	n/a	n/a
41-3011	Advertising Sales Agents	*	*	*	*	*	*	*	18.29	10
41-3021	Insurance Sales Agents	366	384	18	4.92	2	9	11	28.82	7
41-3031	Securities, Commodities & Financial Serv. Sales	221	245	24	10.86	2	7	9	36.88	5
41-3041	Travel Agents	*	*	*	*	*	*	*	13.02	7
41-3099	Sales Representatives, Services, All Other	297	317	20	6.73	2	7	9	25.53	8
41-4000	Sales Reps., Wholesale and Manufacturing	1,320	1,327	7	0.53	1	31	32	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	156	167	11	7.05	1	4	5	38.83	8
41-4012	Sales Reps., Wholesale & Manuf., Excl. Tech. & Sci.	1,164	1,160	-4	-0.34	0	27	27	28.04	8
41-9000	Other Sales and Related Workers	872	929	57	6.54	8	16	24	n/a	n/a
41-9011	Demonstrators and Product Promoters	*	*	*	*	*	*	*	11.21	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	16.62	8
41-9022	Real Estate Sales Agents	564	639	75	13.30	8	9	17	14.99	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	33.18	5
41-9041	Telemarketers	50	41	-9	-18.00	0	1	1	11.76	11
41-9091	Door-To-Door Sales, News, Street Vend. & Related	*	*	*	*	*	*	*	12.29	11
41-9099	Sales and Related Workers, All Other	212	208	-4	-1.89	0	5	5	15.59	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Office & Administrative Support Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
43-0000	Office and Administrative Support Occupations	17,777	18,880	1,103	6.20	145	381	526	14.32	n/a
43-1000	Supervisors, Office & Admin. Support Workers	1,212	1,311	99	8.17	10	27	37	n/a	n/a
43-1011	Managers of Office & Admin. Support Workers	1,212	1,311	99	8.17	10	27	37	20.27	8
43-2000	Communications Equipment Operators	256	235	-21	-8.20	0	5	5	n/a	n/a
43-2011	Switchboard Operators, Incl. Answering Service	*	*	*	*	*	*	*	11.97	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	14.15	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	17.49	11
43-3000	Financial Clerks	3,266	3,519	253	7.75	28	63	91	n/a	n/a
43-3011	Bill and Account Collectors	143	169	26	18.18	3	3	6	13.20	11
43-3021	Billing and Posting Clerks and Machine Operators	534	619	85	15.92	9	9	18	14.62	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,771	1,894	123	6.95	12	21	33	14.98	10
43-3041	Gaming Cage Workers	*	*	*	*	*	*	*	n/a	11
43-3051	Payroll and Timekeeping Clerks	166	144	-22	-13.25	0	4	4	15.76	10
43-3061	Procurement Clerks	*	*	*	*	*	*	*	17.59	10
43-3071	Tellers	622	663	41	6.59	4	26	30	10.66	11
43-4000	Information and Record Clerks	4,177	4,609	432	10.34	52	122	174	n/a	n/a
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	19.06	10
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	16.71	11
43-4031	Court, Municipal, and License Clerks	239	253	14	5.86	1	7	8	14.82	11
43-4041	Credit Authorizers, Checkers, and Clerks	*	*	*	*	*	*	*	16.06	11
43-4051	Customer Service Representatives	1,657	1,960	303	18.29	30	52	82	13.99	10
43-4061	Eligibility Interviewers, Government Programs	44	47	3	6.82	0	1	1	20.62	10
43-4071	File Clerks	96	72	-24	-25.00	0	2	2	11.04	11
43-4081	Hotel, Motel, and Resort Desk Clerks	222	233	11	4.96	1	8	9	8.50	11
43-4111	Interviewers, Excl. Eligibility and Loan	222	265	43	19.37	4	5	9	12.09	11
43-4121	Library Assistants, Clerical	67	79	12	17.91	1	3	4	10.62	11
43-4131	Loan Interviewers and Clerks	122	127	5	4.10	1	3	4	13.97	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	13.34	8
43-4151	Order Clerks	116	78	-38	-32.76	0	3	3	13.43	11
43-4161	H.R. Assistants, Excl. Payroll & Timekeeping	122	106	-16	-13.12	0	4	4	17.39	11
43-4171	Receptionists and Information Clerks	1,004	1,128	124	12.35	12	27	39	11.03	11
43-4181	Reservation, Transp. Ticket Agents & Travel Clerks	*	*	*	*	*	*	*	n/a	11
43-4199	Information and Record Clerks, All Other	116	104	-12	-10.35	0	3	3	16.37	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Barren River Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
43-5000	Material Recording, Dispatching & Distributing Work.	4,085	4,111	26	0.64	19	96	115	n/a	n/a
43-5011	Cargo and Freight Agents	*	*	*	*	*	*	*	17.57	10
43-5021	Couriers and Messengers	87	92	5	5.75	1	2	3	10.61	11
43-5031	Police, Fire, and Ambulance Dispatchers	208	259	51	24.52	5	4	9	13.74	10
43-5032	Dispatchers, Except Police, Fire, and Ambulance	109	100	-9	-8.26	0	2	2	16.38	10
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	13.89	11
43-5051	Postal Service Clerks	63	52	-11	-17.46	0	1	1	24.90	11
43-5052	Postal Service Mail Carriers	320	323	3	0.94	0	10	10	23.03	11
43-5053	Postal Service Mail Sorters, Processors	115	82	-33	-28.70	0	1	1	21.02	11
43-5061	Production, Planning, and Expediting Clerks	288	268	-20	-6.94	0	7	7	19.84	10
43-5071	Shipping, Receiving, and Traffic Clerks	513	436	-77	-15.01	0	13	13	14.74	11
43-5081	Stock Clerks and Order Fillers	2,247	2,377	130	5.79	13	52	65	11.52	11
43-5111	Weigher, Measurer, Checker & Sampler, Records	45	42	-3	-6.67	0	2	2	13.39	11
43-6000	Secretaries and Administrative Assistants	3,138	3,362	224	7.14	22	42	64	n/a	n/a
43-6011	Executive Secretaries & Admin. Assistants	1,223	1,323	100	8.18	10	17	27	16.90	8
43-6012	Legal Secretaries	146	150	4	2.74	0	2	2	15.55	6
43-6013	Medical Secretaries	369	447	78	21.14	8	5	13	13.01	10
43-6014	Secretaries, Excl. Legal, Medical, and Executive	1,400	1,442	42	3.00	4	19	23	12.48	10
43-9000	Other Office and Administrative Support Workers	1,643	1,733	90	5.48	14	25	39	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	17.06	10
43-9021	Data Entry Keyers	64	57	-7	-10.94	0	1	1	13.38	10
43-9022	Word Processors and Typists	*	*	*	*	*	*	*	15.07	10
43-9031	Desktop Publishers	*	*	*	*	*	*	*	17.89	7
43-9041	Insurance Claims and Policy Processing Clerks	*	*	*	*	*	*	*	15.52	10
43-9051	Mail Clerks & Mail Machine Operators, Excl. Postal	53	35	-18	-33.96	0	1	1	12.72	11
43-9061	Office Clerks, General	1,371	1,506	135	9.85	14	19	33	12.44	11
43-9071	Office Machine Operators, Excl. Computer	49	44	-5	-10.20	0	2	2	12.69	11
43-9081	Proofreaders and Copy Markers	*	*	*	*	*	*	*	14.82	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Admin. Support Workers, All Other	57	51	-6	-10.53	0	1	1	15.79	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
45-0000	Farming, Fishing, and Forestry Occupations	2,435	2,273	-162	-6.65	1	65	66	12.65	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Workers	*	*	*	*	*	*	*	n/a	n/a
45-1011	Managers of Farming, Fishing & Forestry Workers	*	*	*	*	*	*	*	19.73	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	Agricultural Workers	2,046	1,905	-141	-6.89	0	55	55	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	19.21	8
45-2021	Animal Breeders	*	*	*	*	*	*	*	13.16	8
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	*	*	*	14.94	8
45-2091	Agricultural Equipment Operators	178	167	-11	-6.18	0	5	5	13.81	11
45-2092	Farmworkers & Laborers, Crop, Nursery	1,491	1,385	-106	-7.11	0	40	40	10.13	11
45-2093	Farmworkers, Farm and Ranch Animals	279	262	-17	-6.09	0	8	8	10.53	11
45-2099	Agricultural Workers, All Other	34	31	-3	-8.82	0	1	1	10.90	11
45-3000	Fishing and Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers and Related Fishing Workers	*	*	*	*	*	*	*	n/a	11
45-4000	Forest, Conservation, and Logging Workers	272	248	-24	-8.82	0	7	7	n/a	n/a
45-4011	Forest and Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	12.02	10
45-4022	Logging Equipment Operators	142	117	-25	-18	0	4	4	12.75	10
45-4023	Log Graders and Scalers	80	82	2	2.50	0	2	2	17.41	10
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Construction & Extraction Occupations

Occupational Employment Outlook

Occupational Code	Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
47-0000	Construction and Extraction Occupations	6,293	6,978	685	10.89	69	109	178	18.74	n/a
47-1000	Supervisors, Construction and Extraction Workers	663	745	82	12.37	8	13	21	n/a	n/a
47-1011	Managers of Constr. Trades & Extraction Workers	663	745	82	12.37	8	13	21	26.19	8
47-2000	Construction Trades Workers	4,779	5,256	477	9.98	48	76	124	n/a	n/a
47-2011	Boilermakers	*	*	*	*	*	*	*	23.63	9
47-2021	Brickmasons and Blockmasons	70	78	8	11.43	1	2	3	19.96	9
47-2022	Stonemasons	*	*	*	*	*	*	*	15.97	9
47-2031	Carpenters	1,084	1,225	141	13.01	14	14	28	17.16	9
47-2041	Carpet Installers	45	45	0	0.00	0	1	1	14.64	10
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	*	*	*	*	*	*	*	13.58	10
47-2043	Floor Sanders and Finishers	*	*	*	*	*	*	*	17.99	10
47-2044	Tile and Marble Setters	*	*	*	*	*	*	*	15.71	9
47-2051	Cement Masons and Concrete Finishers	176	193	17	9.66	2	4	6	15.58	10
47-2053	Terrazzo Workers and Finishers	*	*	*	*	*	*	*	n/a	9
47-2061	Construction Laborers	934	1,086	152	16.27	15	6	21	14.56	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	36	39	3	8.33	0	1	1	16.78	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	661	708	47	7.11	5	11	16	18.95	10
47-2081	Drywall and Ceiling Tile Installers	61	69	8	13.11	1	1	2	16.76	10
47-2082	Tapers	*	*	*	*	*	*	*	17.60	10
47-2111	Electricians	662	681	19	2.87	2	16	18	20.63	9
47-2121	Glaziers	*	*	*	*	*	*	*	14.85	9
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	*	*	*	17.99	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	22.09	10
47-2141	Painters, Construction and Maintenance	414	441	27	6.52	3	7	10	14.96	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	45	51	6	13.33	1	1	2	19.03	11
47-2152	Plumbers, Pipefitters, and Steamfitters	312	334	22	7.05	2	6	8	21.74	9
47-2161	Plasterers and Stucco Masons	*	*	*	*	*	*	*	16.50	9
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	*	*	*	22.79	9
47-2181	Roofers	39	41	2	5.13	0	1	1	16.17	10
47-2211	Sheet Metal Workers	96	100	4	4.17	0	2	2	19.87	9
47-2221	Structural Iron and Steel Workers	95	116	21	22.11	2	2	4	22.46	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Barren River Area

Construction & Extraction Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
47-3000	Helpers, Construction Trades	320	391	71	22.19	7	7	14	n/a	n/a
47-3011	Helpers--Brick, Block, Stone, Tile & Marble Setters	55	65	10	18.18	1	1	2	15.91	11
47-3012	Helpers--Carpenters	79	102	23	29.11	2	2	4	12.46	11
47-3013	Helpers--Electricians	166	200	34	20.48	3	4	7	11.61	11
47-3014	Helpers--Painter, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	10.90	11
47-3015	Helpers--Pipelayer & fitter, Plumber & Steamfitter	*	*	*	*	*	*	*	11.99	11
47-3016	Helpers--Roofers	*	*	*	*	*	*	*	12.55	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	12.34	11
47-4000	Other Construction and Related Workers	470	523	53	11.28	5	12	17	n/a	n/a
47-4011	Construction and Building Inspectors	60	67	7	11.67	1	1	2	22.56	8
47-4021	Elevator Installers and Repairers	*	*	*	*	*	*	*	30.86	9
47-4031	Fence Erectors	55	61	6	10.91	1	1	2	9.70	10
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	15.61	10
47-4051	Highway Maintenance Workers	236	255	19	8.05	2	6	8	12.65	10
47-4061	Rail-Track Laying and Maint. Equip. Operators	*	*	*	*	*	*	*	20.61	10
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	*	*	*	12.53	10
47-4099	Construction and Related Workers, All Other	73	84	11	15.07	1	2	3	14.68	10
47-5000	Extraction Workers	61	63	2	3.28	0	1	1	n/a	n/a
47-5011	Derrick Operators, Oil and Gas	*	*	*	*	*	*	*	12.42	10
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	*	*	*	27.52	10
47-5013	Service Unit Operators, Oil, Gas, and Mining	40	39	-1	-2.50	0	1	1	17.14	10
47-5021	Earth Drillers, Excl. Oil and Gas	*	*	*	*	*	*	*	19.97	10
47-5031	Explosives Workers, Ordnance Handling & Blasters	*	*	*	*	*	*	*	19.45	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	21.77	10
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	*	*	*	28.50	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	20.58	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	21.49	10
47-5071	Roustabouts, Oil and Gas	*	*	*	*	*	*	*	13.90	10
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	17.34	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	19.02	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
49-0000 Installation, Maintenance, and Repair Occupations		5,197	5,488	291	5.60	33	98	131	19.24	n/a
49-1000 Supervisors of Installation, Maint. & Repair Workers		426	433	7	1.64	1	11	12	n/a	n/a
49-1011	Managers of Mechanics, Installers, and Repairers	426	433	7	1.64	1	11	12	25.60	8
49-2000 Electrical & Electronic Equip. Mechanics & Installers		456	478	22	4.82	4	8	12	n/a	n/a
49-2011	Computer, Automated Teller & Office Mach. Repair	107	95	-12	-11.22	0	2	2	18.42	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	22.85	7
49-2022	Telecommunications Equip. Installers & Repairers	110	107	-3	-2.73	0	2	2	22.93	7
49-2091	Avionics Technicians	*	*	*	*	*	*	*	24.26	7
49-2092	Electric Motor, Power Tool, and Related Repairers	*	*	*	*	*	*	*	15.96	7
49-2093	Elec. & Electron. Install. & Repair., Transp. Equip.	*	*	*	*	*	*	*	21.11	7
49-2094	Elec. & Electron. Repair- Comm. & Ind. Equip.	37	39	2	5.41	0	1	1	22.28	7
49-2095	Elec. & Electron. Repair- Pwrhouse, Subst. & Relay	*	*	*	*	*	*	*	26.08	7
49-2096	Electron. Equip. Install. & Repair., Motor Vehicles	35	35	0	0.00	0	1	1	17.51	7
49-2097	Electron. Home Entertain. Equip. Install & Repair	55	67	12	21.82	1	1	2	15.70	7
49-2098	Security and Fire Alarm Systems Installers	95	118	23	24.21	2	2	4	20.58	7
49-3000 Vehicle and Mobile Equip. Mechanics, Installers		1,259	1,297	38	3.02	5	26	31	n/a	n/a
49-3011	Aircraft Mechanics and Service Technicians	*	*	*	*	*	*	*	33.51	7
49-3021	Automotive Body and Related Repairers	133	128	-5	-3.76	0	3	3	19.03	9
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	*	*	*	15.46	9
49-3023	Automotive Service Technicians and Mechanics	621	651	30	4.83	3	12	15	14.97	7
49-3031	Bus & Truck Mechanics & Diesel Eng. Specialists	216	223	7	3.24	1	5	6	17.87	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	13.34	9
49-3042	Mobile Heavy Equip. Mechanics, Excl. Engines	68	72	4	5.88	0	1	1	19.80	9
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	20.70	9
49-3051	Motorboat Mechanics	42	44	2	4.76	0	1	1	12.82	9
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	15.94	9
49-3053	Outdoor Power Equip. & Other Small Eng. Mech.	51	53	2	3.92	0	1	1	14.77	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	12.51	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	14.92	9
49-3093	Tire Repairers and Changers	57	55	-2	-3.51	0	1	1	11.69	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

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

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
49-9000	Other Installation, Maintenance & Repair Occs.	3,056	3,280	224	7.33	24	53	77	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	14.47	10
49-9012	Control & Valve Install. & Repair., Excl. Mech. Door	*	*	*	*	*	*	*	17.09	10
49-9021	Heating, A.C. & Refrigeration Mech. & Installers	333	420	87	26.13	9	5	14	18.04	7
49-9031	Home Appliance Repairers	34	37	3	8.82	0	1	1	16.69	9
49-9041	Industrial Machinery Mechanics	777	800	23	2.96	2	11	13	22.27	9
49-9042	Maintenance and Repair Workers, General	1,158	1,254	96	8.29	10	18	28	16.27	10
49-9043	Maintenance Workers, Machinery	155	143	-12	-7.74	0	2	2	18.13	10
49-9044	Millwrights	*	*	*	*	*	*	*	25.73	9
49-9045	Refractory Materials Repairers, Excl. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers and Repairers	166	166	0	0.00	0	6	6	23.94	9
49-9052	Telecommunications Line Installers and Repairers	34	33	-1	-2.94	0	1	1	22.26	9
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	*	*	*	14.91	9
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	19.58	6
49-9063	Musical Instrument Repairers and Tuners	34	31	-3	-8.82	0	1	1	14.85	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	18.11	9
49-9069	Precision Instrument & Equip. Repairers, Other	*	*	*	*	*	*	*	31.52	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Repair.	*	*	*	*	*	*	*	13.49	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Excl. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths and Safe Repairers	*	*	*	*	*	*	*	16.01	10
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	*	*	*	11.01	10
49-9096	Riggers	*	*	*	*	*	*	*	26.54	11
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	54	58	4	7	0	3	3	13.55	11
49-9099	Installation, Maint. & Repair Workers, All Other	174	192	18	10.34	2	3	5	18.53	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area Occupational Employment Outlook

Production Occupations

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
51-0000 Production Occupations		20,146	18,867	-1,279	-6.35	32	386	418	15.80	n/a
51-1000	Supervisors, Production Workers	1,323	1,241	-82	-6.20	0	18	18	n/a	n/a
51-1011	Managers of Production and Operating Workers	1,323	1,241	-82	-6.20	0	18	18	24.26	8
51-2000	Assemblers and Fabricators	4,535	4,157	-378	-8.34	0	101	101	n/a	n/a
51-2011	Aircraft Structure, Surface, Rig & Systems Assemb.	*	*	*	*	*	*	*	27.06	10
51-2021	Coil Winders, Tapers, and Finishers	56	47	-9	-16.07	0	1	1	13.90	11
51-2022	Electrical and Electronic Equipment Assemblers	95	73	-22	-23.16	0	2	2	14.94	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	16.83	11
51-2031	Engine and Other Machine Assemblers	*	*	*	*	*	*	*	18.72	11
51-2041	Structural Metal Fabricators and Fitters	85	81	-4	-4.71	0	2	2	15.87	10
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	*	*	*	12.55	10
51-2092	Team Assemblers	3,339	3,133	-206	-6.17	0	75	75	14.86	10
51-2093	Timing Device Assemblers, Adjusters & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers and Fabricators, All Other	959	822	-137	-14.29	0	22	22	17.41	10
51-3000	Food Processing Workers	271	285	14	5.17	2	8	10	n/a	n/a
51-3011	Bakers	123	132	9	7.32	1	3	4	12.23	9
51-3021	Butchers and Meat Cutters	54	51	-3	-5.56	0	2	2	14.27	9
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	31	33	2	6.45	0	1	1	11.07	11
51-3023	Slaughterers and Meat Packers	*	*	*	*	*	*	*	11.28	10
51-3091	Food & Tobacco Roast., Baking, Drying Mach. Ops.	*	*	*	*	*	*	*	11.33	11
51-3092	Food Batchmakers	*	*	*	*	*	*	*	15.06	11
51-3093	Food Cooking Machine Operators and Tenders	*	*	*	*	*	*	*	10.41	11
51-4000	Metal Workers and Plastic Workers	5,046	4,469	-577	-11.44	4	96	100	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	319	353	34	10.66	3	6	9	16.01	10
51-4012	Numerical Tool and Process Control Programmers	*	*	*	*	*	*	*	21.33	8
51-4021	Extruding & Drawing Mach. Setters, Ops. & Tenders	*	*	*	*	*	*	*	17.19	10
51-4022	Forging Machine Setters, Operators & Tenders	*	*	*	*	*	*	*	16.59	10
51-4023	Rolling Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	15.10	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
51-4031	Cut, Punch & Press Mach. Setters, Ops. & Tenders	637	563	-74	-11.62	0	13	13	14.29	10
51-4032	Drill & Boring Mach. Tool Setters, Ops. & Tenders	193	129	-64	-33.16	0	2	2	15.66	10
51-4033	Grind, Lap, Polish & Buff Mach. Tool Setters, Ops.	216	176	-40	-18.52	0	3	3	15.46	10
51-4034	Lathe & Turning Mach. Tool Setters, Ops. & Tenders	*	*	*	*	*	*	*	15.37	10
51-4035	Milling & Planing Machine Setters, Ops. & Tenders	*	*	*	*	*	*	*	15.22	10
51-4041	Machinists	731	699	-32	-4.38	0	10	10	18.18	9
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	*	*	*	19.16	10
51-4052	Pourers and Casters, Metal	198	171	-27	-13.64	0	4	4	16.29	10
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	19.91	9
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	*	*	*	n/a	9
51-4071	Foundry Mold and Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Mach. Setters, Ops.	340	313	-27	-7.94	0	7	7	13.95	10
51-4081	Multiple Mach. Tool Setters, Ops. & Tenders	*	*	*	*	*	*	*	14.47	10
51-4111	Tool and Die Makers	221	191	-30	-13.58	0	1	1	21.85	9
51-4121	Welders, Cutters, Solderers, and Brazers	479	464	-15	-3.13	0	15	15	16.11	7
51-4122	Welding, Soldering & Brazing Mach. Setters, Ops.	86	63	-23	-26.74	0	3	3	15.37	7
51-4191	Heat Treating Equip. Setters, Ops. & Tenders	*	*	*	*	*	*	*	15.70	10
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	*	*	*	16.46	10
51-4193	Plating & Coating Mach. Setters, Ops. & Tenders	90	76	-14	-15.56	0	2	2	13.48	10
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	*	*	*	17.31	10
51-4199	Metal Workers and Plastic Workers, All Other	51	52	1	1.96	0	1	1	15.12	10
51-5000	Printing Workers	707	611	-96	-13.58	0	13	13	n/a	n/a
51-5011	Bindery Workers	195	151	-44	-22.56	0	3	3	15.53	11
51-5012	Bookbinders	*	*	*	*	*	*	*	15.67	10
51-5021	Job Printers	*	*	*	*	*	*	*	16.23	9
51-5022	Prepress Technicians and Workers	106	81	-25	-23.59	0	1	1	16.66	7
51-5023	Printing Machine Operators	406	379	-27	-6.65	0	9	9	16.79	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
51-6000	Textile, Apparel, and Furnishings Workers	1,079	948	-131	-12.14	2	10	12	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	263	280	17	6.46	2	5	7	9.67	10
51-6021	Pressers, Textile, Garment, and Related Materials	96	94	-2	-2.08	0	0	0	9.24	11
51-6031	Sewing Machine Operators	468	355	-113	-24.15	0	3	3	9.93	10
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	12.25	11
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	*	*	*	13.69	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Mach. Setters, Ops. & Tenders	*	*	*	*	*	*	*	10.79	10
51-6063	Textile Knitting & Weaving Mach. Setters, Ops.	*	*	*	*	*	*	*	12.28	9
51-6064	Textile Wind, Twist. & Drawing Out Mach. Setters	*	*	*	*	*	*	*	14.34	10
51-6091	Extruding & Forming Mach. Setters, Ops. & Tenders	*	*	*	*	*	*	*	12.94	10
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	139	132	-7	-5.04	0	1	1	14.48	9
51-6099	Textile, Apparel & Furnishings Workers, All Other	55	34	-21	-38	0	1	1	19.29	11
51-7000	Woodworkers	456	480	24	5.26	2	9	11	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	166	166	0	0.00	0	4	4	14.83	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	13.10	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine Setters, Ops. & Tenders, Wood	84	89	5	5.95	1	2	3	11.82	10
51-7042	Woodworking Machine Setters, Ops. & Tenders	200	219	19	9.50	2	4	6	11.88	10
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	9.51	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
51-8000	Plant and System Operators	260	286	26	10.00	3	5	8	n/a	n/a
51-8012	Power Distributors and Dispatchers	*	*	*	*	*	*	*	35.30	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	30.10	9
51-8021	Stationary Engineers and Boiler Operators	143	144	1	0.70	0	2	2	18.20	9
51-8031	Water & Liquid Waste Treatment Plant & Sys. Ops.	106	132	26	24.53	3	2	5	15.71	9
51-8091	Chemical Plant and System Operators	*	*	*	*	*	*	*	24.73	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	26.28	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	27.02	9
51-8099	Plant and System Operators, All Other	*	*	*	*	*	*	*	22.82	9
51-9000	Other Production Occupations	6,469	6,390	-79	-1.22	20	127	147	n/a	n/a
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	*	*	*	23.62	10
51-9012	Separate, Filter, Clarify, Precipitate & Still Mach. Ops.	*	*	*	*	*	*	*	19.03	10
51-9021	Crush, Grind & Polish Mach. Setters, Ops. & Tenders	51	51	0	0.00	0	1	1	13.72	10
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	*	*	*	13.57	10
51-9023	Mixing & Blending Mach. Setters, Ops. & Tenders	274	318	44	16.06	4	5	9	14.15	10
51-9031	Cutters and Trimmers, Hand	*	*	*	*	*	*	*	14.86	11
51-9032	Cutting & Slicing Mach. Setters, Ops. & Tenders	393	384	-9	-2.29	0	8	8	13.68	10
51-9041	Extrude, Form, Press & Compact Mach. Ops.	*	*	*	*	*	*	*	14.92	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tenders	93	86	-7	-7.53	0	1	1	16.71	10
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	1,436	1,337	-99	-6.89	0	24	24	16.17	10
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	*	*	*	16.20	7
51-9081	Dental Laboratory Technicians	44	47	3	6.82	0	1	1	18.34	10
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	16.34	9
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	14.00	10
51-9111	Packaging & Filling Machine Ops. & Tenders	650	606	-44	-6.77	0	11	11	14.54	11
51-9121	Coating, Painting & Spraying Mach. Setters, Ops.	509	504	-5	-0.98	0	13	13	15.01	10
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	21.10	10
51-9123	Painting, Coating, and Decorating Workers	89	91	2	2.25	0	2	2	11.22	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	11.64	11
51-9132	Photographic Processing Machine Operators	45	35	-10	-22.22	0	1	1	9.85	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
51-9191	Cementing & Gluing Machine Ops. & Tenders	*	*	*	*	*	*	*	12.77	10
51-9192	Clean, Wash & Metal Pickling Equip. Ops. & Tend.	*	*	*	*	*	*	*	13.88	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	15.76	10
51-9194	Etchers and Engravers	*	*	*	*	*	*	*	13.17	9
51-9195	Molders, Shapers & Casters, Excl. Metal & Plastic	*	*	*	*	*	*	*	13.11	10
51-9196	Paper Goods Machine Setters, Ops. & Tenders	*	*	*	*	*	*	*	15.54	10
51-9197	Tire Builders	*	*	*	*	*	*	*	13.11	10
51-9198	Helpers--Production Workers	1,057	992	-65	-6.15	0	19	19	12.42	11
51-9199	Production Workers, All Other	830	879	49	5.90	5	19	24	13.00	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Barren River Area

Transportation & Material Moving Occs.

Occupational Employment Outlook

Occupational Code	Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
53-0000 Transportation and Material Moving Occupations		9,538	9,501	-37	-0.39	27	216	243	16.14	n/a
53-1000	Supervisors, Transp. & Material Moving Workers	354	338	-16	-4.52	0	6	6	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	19.04	8
53-1021	Mgrs. of Helpers, Laborers & Material Movers, Hand	*	*	*	*	*	*	*	21.05	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	181	167	-14	-7.73	0	3	3	23.22	8
53-2000	Air Transportation Workers								n/a	n/a
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	*	*	*	*	*	*	*	46.30	9
53-2022	Airfield Operations Specialists	*	*	*	*	*	*	*	22.26	9
53-3000	Motor Vehicle Operators	4,346	4,593	247	5.68	25	77	102	n/a	n/a
53-3011	Ambulance Drivers & Attend., Excl. EMTs	*	*	*	*	*	*	*	10.78	10
53-3021	Bus Drivers, Transit and Intercity	97	113	16	16.49	2	2	4	13.13	10
53-3022	Bus Drivers, School	721	759	38	5.27	4	13	17	14.77	10
53-3031	Driver/Sales Workers	709	751	42	5.92	4	13	17	11.99	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,767	1,867	100	5.66	10	32	42	18.02	11
53-3033	Truck Drivers, Light or Delivery Services	909	938	29	3.19	3	16	19	13.74	11
53-3041	Taxi Drivers and Chauffeurs	108	130	22	20.37	2	2	4	8.95	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	16.01	11
53-4000	Rail Transportation Workers	33	36	3	9	0	1	1	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	16.78	10
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	*	*	*	21.04	10
53-4031	Railroad Conductors and Yardmasters	*	*	*	*	*	*	*	21.99	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	19.23	10
53-5000	Water Transportation Workers								n/a	n/a
53-5011	Sailors and Marine Oilers	*	*	*	*	*	*	*	14.69	11
53-5021	Captains, Mates, and Pilots of Water Vessels	*	*	*	*	*	*	*	28.55	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	19.25	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	32.14	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

Barren River Area

Transportation & Material Moving Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
53-6000	Other Transportation Workers	88	86	-2	-2.27	0	4	4	n/a	n/a
53-6011	Bridge and Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	*	*	*	*	*	*	*	10.31	11
53-6031	Service Station Attendants	75	72	-3	-4.00	0	3	3	10.40	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	19.34	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	32.33	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	14.42	11
53-7000	Material Moving Workers	4,680	4,409	-271	-5.79	2	127	129	n/a	n/a
53-7011	Conveyor Operators and Tenders	*	*	*	*	*	*	*	15.57	11
53-7021	Crane and Tower Operators	*	*	*	*	*	*	*	18.49	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	49	56	7	14.29	1	1	2	17.56	10
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	*	*	*	21.76	10
53-7041	Hoist and Winch Operators	71	56	-15	-21	0	2	2	17.67	10
53-7051	Industrial Truck and Tractor Operators	1,173	1,139	-34	-2.90	0	35	35	14.20	11
53-7061	Cleaners of Vehicles and Equipment	236	228	-8	-3.39	0	8	8	10.55	11
53-7062	Laborers & Freight, Stock & Material Movers, Hand	1,854	1,826	-28	-1.51	0	60	60	11.32	11
53-7063	Machine Feeders and Offbearers	531	381	-150	-28.25	0	6	6	12.94	11
53-7064	Packers and Packagers, Hand	620	576	-44	-7.10	0	10	10	10.05	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	*	*	*	17.53	10
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	14.55	10
53-7081	Refuse and Recyclable Material Collectors	62	73	11	17.74	1	2	3	12.92	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	21.28	11
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	*	*	*	18.39	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	18.25	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 49

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

Educational/Training Classifications

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

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

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

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

Postsecondary awards

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

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

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

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

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

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

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

Work-related training

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

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

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

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

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