

# Alaska's Registered Apprenticeships

## Employers and workers make a solid investment

About 11,000 young Alaskans<sup>1</sup> will join the working-age population this year, and many of them will vie for jobs with roughly 29,000 other unemployed Alaskans.<sup>2</sup> Many of these young people will need additional training and education to compete, and some will apply to a registered apprenticeship program.

To become a craftsman, a worker must master both knowledge and skill, and a registered apprenticeship provides for both. Many other occupations have some required on-the-job training, but the apprenticeship structure ensures the information and skills are passed on correctly.

Workers who have successfully completed an apprenticeship are likely to find stable, living-wage jobs — and employers who sponsor apprentices invest in their industry, employees, and the future of their company by fostering a loyal local workforce.

More than 60 percent of registered apprenticeships in Alaska<sup>3</sup> between 1998 and 2009 were sponsored in “joint” apprenticeship programs: partnerships between employers, unions, and/or employee associations. The rest were in nonjoint programs, usually with construction-related contractors. The sponsor or employer trains directly or works with the state and various schools to offer practical and theoretical instruction for highly skilled occupations.

Registered apprenticeships consist of at least 2,000 hours of on-the-job training plus 144 hours of classroom or related instruction. Nationally, the registered apprenticeship program offers access to about 1,000 career areas. Alaska has apprenticeships in more than 70 occupations, from the traditional construction jobs to industries such as advanced manufacturing and health care.

<sup>1</sup>According to *Population by Age, Race, and Sex* (<http://labor.alaska.gov/research/pop/popest.htm>), this is the number who will turn 16 this year.

<sup>2</sup>This is based on the December 2010 Alaska unemployment rate.

<sup>3</sup>America's apprenticeship system was created by the National Apprenticeship Act of 1937, which directed the Secretary of Labor to establish labor standards for apprentices.

By the end of 2009, there were 1,408 active apprentices in the state<sup>4</sup> — 20 percent of the almost 7,000 who began an apprenticeship since 1998. Another 27 percent completed their program, and a little more than half, 52 percent, canceled. Roughly half of all cancellations were in the first year after registering, typically because of high standards set by sponsors. (See Exhibit 1, which starts on page 14.)

### Young, male, and mostly white

Not surprisingly, apprentices begin their programs at a relatively young age. As in most education or training programs, most participants are just beginning their career path. Nearly half, 49 percent, entered their program between the ages of 16 and 24, and another 34 percent were between 25 and 34.

About 92 percent of all apprentices during the 1998-2009 period were male. This is mostly due to the high percentage of registered apprenticeships in construction-related trades, which tend to be dominated by men.

Almost 70 percent of all apprentices during the period were white, and about 23 percent were Alaska Native or American Indian. This is close to the racial profile of most working-age Alaskans.

Anchorage, Fairbanks, and the Matanuska-Susitna area account for about two-thirds of Alaska's population, but the three areas combined had nearly three-quarters of the state's apprentices during the period. This isn't surprising; urban areas tend to have more construction, and therefore more young workers learning this trade. However, every borough and census area in the state had apprentices during the period.

The state's current focus is on supporting nontraditional use of registered apprenticeships, so all Alaskans have an opportunity to participate. Apprenticeships are one way for rural residents to train for an

<sup>4</sup>Active apprentices are those whose program is still in progress, plus those who have left but reinstated at some point.

occupation without leaving their region or village.

## More apprentices stay in Alaska

In 2009, almost 89 percent of apprentices who had registered between 1998 and 2009 were still in Alaska, and about two-thirds still lived in the same borough or census area where they registered. It appears more apprentices are moving within the state, and fewer are leaving Alaska. In 2007, 12.6 percent relocated within the state, compared to 18.6 percent in 2009.

In 2007, 80.1 percent of the apprentices who registered between 1996 and 2007 were residents, which increased to 85.5 percent in 2009 for 1998–2009 registrants. The recent recession has not been as harsh in Alaska as it has been in much of the Lower 48, and that may have encouraged some in-state apprentices to sit tight. It may also show that employers who offer apprenticeships can develop a loyal local workforce.

Sixty-four percent of all current and former apprentices, and more than 80 percent of those who completed their training, worked in occupations related to their apprenticeships. Less than half of those who canceled continued to work in a related job.

## Most are in construction

Construction appears to be the apprenticeship stronghold. There are more apprentices in the construction industry than in any other, and they make up a larger percentage of all workers within that industry than in any other industry. Many joint apprenticeship programs in construction have training funds with earned benefits, and funding committed to workforce development.

In 2009, more than 10 percent — or 2,779 — of all construction workers had been apprentices at some point since 1998. The industry employed about 40 percent of all apprentices for all industries during that period. When unknown or nonworking apprentices were removed from the equation, construction accounted for about half of all apprentices.

However, construction's share was smaller than it had been two years before. In 2007, construction employed 2,849 people, or 44.1 percent of the state's apprentices.<sup>5</sup> The drop is likely because construction

<sup>5</sup>See "Apprenticeships in Alaska" in the February 2009 edition of *Trends*.

## For more on apprenticeships

Information about Alaska's registered apprenticeship programs is available online at [jobs.alaska.gov/apprentice](http://jobs.alaska.gov/apprentice), or through one of the state's 23 Alaska Job Centers. Call (877) 724-2539, or go to [jobs.alaska.gov](http://jobs.alaska.gov) and click on "Alaska Job Centers" on the left for a list.

Employers interested in sponsoring a registered apprenticeship program can contact the Apprenticeship Office by e-mailing [apprenticeship@alaska.gov](mailto:apprenticeship@alaska.gov), or by calling Gerry Andrews, the state's apprenticeship coordinator, in Anchorage at (907) 269-4675.

peaked in the state in 2005 and has fallen slightly since, and a sponsor's willingness to take on new apprentices depends on the business climate.

Apprenticeship programs provided 3.7 percent of all natural resources and mining industry workers in 2009. Many apprentices in the natural resources and mining industry trained for the same occupations as those apprenticed to construction sponsors, such as electricians and construction laborers.

Less than 1 percent of all trade and transportation workers in 2009 had been apprentices. Leading occupations ranged from retail salespeople and cashiers to laborers, electrical power-line installers, and truck drivers.

Across all industries, 164 workers began electrician apprenticeships in 2009. That's only 10 fewer than the next three largest occupations combined: plumbers (77), construction craft laborers (53), and carpenters (44). These were followed by pipefitters (36) and roofers (32). To further explain these numbers, there are only two compulsory apprenticeship programs in Alaska: electrician and plumber.

## Higher earnings for completers

Current and former apprentices working in Alaska earned more than \$253 million combined in 2009. That amounts to about 1.9 percent of all wages in the state that year, and 2.2 percent of wages for occupations that had at least one working apprentice.

Completing an apprenticeship pays off — workers who finished made significantly more than those who canceled. In 2009, workers from the 1998–2009 group who had completed their apprenticeships had average annual earnings of \$65,514, while those who canceled earned \$36,093.

# 1 A Detailed Profile of the Apprentices

## Alaska, 1998 to 2009

	No. Current and Former Apprentices	Number of Completers	Percentage Completers	Number Canceled	Percent Canceled	Number Employed in Alaska 2009	% Employed	Total Alaska Wages 2009	Average Wages 2009	No. Working or Residents of Alaska	% in Alaska	# of Emp. Working in Related Job
<b>Total</b>	<b>6,933</b>	<b>1,863</b>	<b>26.9</b>	<b>3,625</b>	<b>52.3</b>	<b>5,573</b>	<b>80.4</b>	<b>\$253,058,119</b>	<b>\$45,408</b>	<b>6,173</b>	<b>89.0</b>	<b>4,446</b>
<b>EMPLOYMENT STATUS 2009</b>												
Not Employed or in Alaska	1,360	181	13.3	1,078	79.3	0	0.0	\$0	\$0	600	44.1	0
Employed	5,573	1,682	30.2	2,547	45.7	5,573	100.0	\$253,058,119	\$45,408	5,573	100.0	4,446
<b>GENDER</b>												
Female	543	133	24.5	299	55.1	414	76.2	\$14,326,525	\$34,605	481	86.9	277
Male	6,388	1,730	27.1	3,324	52.0	5,157	80.7	\$238,650,047	\$46,277	5,690	89.1	4,167
Unknown	2	0	0.0	2	100.0	2	100.0	n/d	n/d	2	100.0	2
<b>RACE</b>												
Unknown	110	8	7.3	51	46.4	92	83.6	\$2,787,264	\$30,296	99	90.0	62
Asian	136	35	25.7	77	56.6	106	77.9	\$4,419,272	\$41,691	113	83.1	87
Black	260	51	20.0	169	66.2	179	68.8	\$6,451,131	\$36,040	214	82.3	111
Hispanic	63	7	11.1	33	54.0	51	81.0	\$1,799,378	\$35,282	55	87.3	39
Amer.Indian/Alaska Native	1,563	339	21.7	925	60.1	1,277	81.7	\$45,215,625	\$35,408	1,442	92.3	949
White	4,801	1,423	29.8	2,370	50.0	3,868	80.6	\$192,385,449	\$49,738	4,250	88.5	3,198
<b>AGE GROUP as of July 1, 2010</b>												
Unknown	1	0	0.0	1	100.0	1	100.0	n/d	n/d	1	100.0	1
16 to 24	1,092	107	9.8	513	47.0	968	88.6	\$34,068,694	\$35,195	1,023	93.7	789
25 to 34	3,465	999	28.8	1,790	51.7	2,846	82.1	\$135,103,084	\$47,471	3,106	89.6	2,312
35 to 44	1,591	523	32.9	871	54.7	1,206	75.8	\$59,621,742	\$49,438	1,373	86.3	929
45 to 54	647	201	31.1	360	55.6	473	73.1	\$20,861,824	\$44,105	551	85.2	363
55 to 64	125	32	25.6	79	63.2	74	59.2	\$3,273,036	\$44,230	107	85.6	48
65 to 74	11	1	9.1	10	90.9	5	45.5	\$122,381	\$24,476	11	100.0	4
75+	1	0	0.0	1	100.0	0	0.0	\$0	\$0	1	100.0	0
<b>PROGRAM TYPE</b>												
Nonjoint	2,559	301	11.8	1,611	63.0	2,028	79.2	\$86,843,861	\$42,822	2,273	88.8	1,588
Joint	4,372	1,562	35.7	2,012	46.0	3,543	81.0	\$166,157,591	\$46,897	3,898	89.2	2,858
Unknown	2	0	0.0	2	100.0	2	100.0	n/d	n/d	2	100.0	0
<b>LAST EVENT CODE STATUS</b>												
Canceled	3,625	0	0.0	3,625	100.0	2,547	70.3	\$91,928,906	\$36,093	3,016	83.2	1,741
Completed	1,863	1,863	100.0	0	0.0	1,682	90.3	\$110,193,794	\$65,514	1,765	94.7	1,503
Registered	1,321	0	0.0	0	0.0	1,238	93.7	\$48,043,427	\$38,807	1,274	96.4	1,112
Reinstated	87	0	0.0	0	0.0	80	92.0	\$2,286,142	\$28,577	84	96.6	71
Suspended	37	0	0.0	0	0.0	26	70.3	\$605,849	\$23,302	34	91.9	19
<b>REGISTRATION YEAR</b>												
1998	239	120	50.2	118	49.4	158	66.1	\$9,829,183	\$62,210	189	79.1	123
1999	428	193	45.1	234	54.7	305	71.3	\$18,324,384	\$60,080	360	84.1	239
2000	386	162	42.0	223	57.8	283	73.3	\$17,470,600	\$61,734	322	83.4	224
2001	610	238	39.0	365	59.8	437	71.6	\$23,257,069	\$53,220	499	81.8	337
2002	492	216	43.9	267	54.3	376	76.4	\$19,022,697	\$50,592	440	89.4	282
2003	488	186	38.1	279	57.2	382	78.3	\$19,751,622	\$51,706	435	89.1	297
2004	547	209	38.2	297	54.3	450	82.3	\$21,724,673	\$48,277	496	90.7	378
2005	759	227	29.9	455	59.9	615	81.0	\$28,984,876	\$47,130	677	89.2	489
2006	791	168	21.2	465	58.8	638	80.7	\$28,601,983	\$44,831	701	88.6	482
2007	748	88	11.8	379	50.7	631	84.4	\$24,316,592	\$38,537	694	92.8	521
2008	728	36	4.9	331	45.5	643	88.3	\$22,919,432	\$35,645	686	94.2	537
2009	717	20	2.8	212	29.6	655	91.4	\$18,855,007	\$28,786	674	94.0	537
<b>INDUSTRY OF EMPLOYMENT 2009</b>												
Unknown/not working	1,360	181	13.3	1,078	79.3	0	0.0	\$0	\$0	600	44.1	0
Construction	2,779	1,007	36.2	870	31.3	2,779	100.0	\$130,909,761	\$47,107	2,779	100.0	2,666
Educ. and Health Svcs.	179	36	20.1	110	61.5	179	100.0	\$5,913,706	\$33,037	179	100.0	55
Financial Activities	130	26	20.0	78	60.0	130	100.0	\$3,014,755	\$23,190	130	100.0	102
Information	99	53	53.5	36	36.4	99	100.0	\$6,110,609	\$61,723	99	100.0	86
Leisure and Hospitality	152	16	10.5	120	78.9	152	100.0	\$2,216,584	\$14,583	152	100.0	31
Local Government	287	51	17.8	192	66.9	287	100.0	\$8,589,371	\$29,928	287	100.0	162
Manufacturing	88	8	9.1	68	77.3	88	100.0	\$2,798,466	\$31,801	88	100.0	25
Natural Res. and Mining	777	243	31.3	360	46.3	777	100.0	\$51,537,461	\$66,329	777	100.0	658
Other Services	89	16	18.0	59	66.3	89	100.0	\$2,026,204	\$22,766	89	100.0	51
Prof./Business Services	341	96	28.2	194	56.9	341	100.0	\$14,415,861	\$42,275	341	100.0	203
Public Administration	1	0	0.0	1	100.0	1	100.0	n/d	n/d	1	100.0	0
State Government	97	28	28.9	61	62.9	97	100.0	\$4,239,613	\$43,707	97	100.0	65
Trade, Transportation, and Utilities	549	101	18.4	395	71.9	549	100.0	\$21,082,203	\$38,401	549	100.0	339

# A Detailed Profile of the Apprentices

## Alaska, 1998 to 2009 (continued)



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<b>INDUSTRY OF EMPLOYMENT 2009, continued</b>												
Unclassified	5	1	20.0	3	60.0	5	100.0	\$173,728	\$34,746	5	100.0	3
<b>BOROUGH/CENSUS AREA OF RESIDENCE AT REGISTRATION</b>												
Unknown	70	7	10.0	44	62.9	50	71.4	\$1,665,070	\$33,301	52	74.3	45
Aleutians East Borough	14	1	7.1	13	92.9	8	57.1	\$201,033	\$25,129	12	85.7	5
Aleutians West Census Area	22	2	9.1	13	59.1	16	72.7	\$859,221	\$53,701	18	81.8	9
Anchorage, Municipality of	2,606	712	27.3	1,387	53.2	2,081	79.9	\$91,417,030	\$43,929	2,305	88.4	1,640
Bethel Census Area	129	18	14.0	84	65.1	114	88.4	\$2,823,654	\$24,769	122	94.6	73
Bristol Bay Borough	20	4	20.0	14	70.0	15	75.0	\$411,926	\$27,462	19	95.0	14
Denali Borough	21	10	47.6	9	42.9	17	81.0	\$1,024,066	\$60,239	20	95.2	14
Dillingham Census Area	32	5	15.6	20	62.5	29	90.6	\$588,330	\$20,287	31	96.9	17
Fairbanks North Star Borough	1,402	463	33.0	658	46.9	1,162	82.9	\$58,517,908	\$50,360	1,270	90.6	975
Haines Borough	19	3	15.8	10	52.6	16	84.2	\$470,764	\$29,423	17	89.5	15
Hoonah-Angoon Census Area	3	1	33.3	1	33.3	3	100.0	n/d	n/d	3	100.0	3
Juneau, City and Borough of	243	86	35.4	100	41.2	204	84.0	\$9,531,022	\$46,721	218	89.7	172
Kenai Peninsula Borough	490	109	22.2	261	53.3	376	76.7	\$18,649,381	\$49,599	409	83.5	289
Ketchikan Gateway Borough	83	23	27.7	36	43.4	66	79.5	\$3,016,654	\$45,707	73	88.0	57
Kodiak Island Borough	64	16	25.0	27	42.2	53	82.8	\$2,585,903	\$48,791	57	89.1	47
Lake and Peninsula Borough	23	4	17.4	11	47.8	20	87.0	\$690,319	\$34,516	21	91.3	13
Matanuska-Susitna Borough	1,096	270	24.6	598	54.6	856	78.1	\$40,493,241	\$47,305	972	88.7	699
Nome Census Area	89	11	12.4	63	70.8	64	71.9	\$1,640,472	\$25,632	83	93.3	40
North Slope Borough	65	1	1.5	48	73.8	56	86.2	\$2,491,005	\$44,482	59	90.8	39
Northwest Arctic Borough	68	15	22.1	39	57.4	55	80.9	\$2,830,488	\$51,463	64	94.1	45
Petersburg Census Area	8	2	25.0	3	37.5	7	87.5	\$273,918	\$39,131	7	87.5	5
Prince of Wales-Hyder CA	19	3	15.8	12	63.2	18	94.7	\$564,002	\$31,333	18	94.7	12
Sitka, City and Borough of	35	4	11.4	23	65.7	25	71.4	\$1,216,266	\$48,651	30	85.7	20
Skagway, Municipality of	4	2	50.0	1	25.0	4	100.0	n/d	n/d	4	100.0	2
Southeast Fairbanks CA	66	22	33.3	25	37.9	55	83.3	\$2,636,429	\$47,935	63	95.5	41
Valdez-Cordova Census Area	87	33	37.9	40	46.0	74	85.1	\$4,070,051	\$55,001	80	92.0	56
Wade Hampton Census Area	70	11	15.7	43	61.4	50	71.4	\$924,366	\$18,487	65	92.9	34
Wrangell, City and Borough of	11	5	45.5	4	36.4	10	90.9	\$421,604	\$42,160	11	100.0	10
Yakutat, City and Borough of	4	1	25.0	1	25.0	3	75.0	n/d	n/d	3	75.0	3
Yukon-Koyukuk Census Area	70	19	27.1	37	52.9	66	94.3	\$2,634,917	\$39,923	67	95.7	52
<b>SELECTED APPRENTICESHIP OCCUPATIONS</b>												
Acoustical Carpenter	1	0	0.0	0	0.0	1	100.0	n/d	n/d	1	100.0	1
Airframe & Powerplant Mechanic	1	0	0.0	0	0.0	1	100.0	n/d	n/d	1	100.0	0
Asphalt Paving Mach. Operator	3	0	0.0	2	66.7	3	100.0	n/d	n/d	3	100.0	2
Automobile Mechanic	1	0	0.0	1	100.0	1	100.0	n/d	n/d	1	100.0	1
Baker (Bake Produce)	17	5	29.4	12	70.6	6	35.3	\$64,983	\$10,830	8	47.1	2
Bricklayer (Construction)	7	1	14.3	6	85.7	6	85.7	\$118,983	\$19,830	6	85.7	6
Car Repairer (Railroad Equip.)	28	17	60.7	7	25.0	21	75.0	\$1,304,315	\$62,110	23	82.1	21
Carpenter	744	208	28.0	417	56.0	601	80.8	\$21,444,129	\$35,681	661	88.8	492
Carpenter, Piledriver	117	41	35.0	53	45.3	88	75.2	\$3,850,460	\$43,755	98	83.8	64
Cement Mason	112	21	18.8	81	72.3	88	78.6	\$2,610,634	\$29,666	92	82.1	57
Child Care Dev. Specialist	26	7	26.9	19	73.1	19	73.1	\$437,230	\$23,012	23	88.5	7
CNA Dementia Specialty	3	2	66.7	1	33.3	1	33.3	n/d	n/d	3	100.0	0
Computer Operator	1	1	100.0	0	0.0	0	0.0	\$0	\$0	0	0.0	0
Construction Craft Laborer	557	211	37.9	302	54.2	442	79.4	\$17,953,855	\$40,620	498	89.4	334
Construction Driver	76	35	46.1	35	46.1	66	86.8	\$3,333,477	\$50,507	71	93.4	26
Construction Equip. Mechanic	1	0	0.0	1	100.0	1	100.0	n/d	n/d	1	100.0	1
Cook (Any Industry)	63	16	25.4	34	54.0	24	38.1	\$570,915	\$23,788	37	58.7	11
Cook (Hotel and Restaurant)	23	2	8.7	21	91.3	9	39.1	\$104,323	\$11,591	10	43.5	5
Cosmetologist	8	3	37.5	3	37.5	7	87.5	\$113,579	\$16,226	8	100.0	4
Dental Assistant	3	3	100.0	0	0.0	3	100.0	n/d	n/d	3	100.0	1
Diesel Mechanic	14	4	28.6	7	50.0	10	71.4	\$309,182	\$30,918	11	78.6	7
Direct Support Specialist	28	1	3.6	5	17.9	27	96.4	\$941,707	\$34,878	27	96.4	2
Dry Cleaner	1	0	0.0	0	0.0	1	100.0	n/d	n/d	1	100.0	1
Electric Meter Repairer	1	1	100.0	0	0.0	1	100.0	n/d	n/d	1	100.0	1
Electrician	1,682	355	21.1	863	51.3	1,411	83.9	\$71,899,478	\$50,956	1,533	91.1	1,224
Electrician, Locomotive	5	4	80.0	1	20.0	4	80.0	n/d	n/d	4	80.0	4
Electrician, Maintenance	5	2	40.0	2	40.0	5	100.0	\$351,713	\$70,343	5	100.0	5

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<b>SELECTED APPRENTICESHIP OCCUPATIONS, continued</b>												
Electronic Systems Tech.	2	0	0.0	2	100.0	1	50.0	n/d	n/d	1	50.0	0
Floor Layer	34	5	14.7	24	70.6	21	61.8	\$601,989	\$28,666	26	76.5	16
Glazier	104	39	37.5	57	54.8	73	70.2	\$2,966,418	\$40,636	90	86.5	61
Heating & Air Cond. Inst. Serv.	20	3	15.0	13	65.0	15	75.0	\$609,551	\$40,637	17	85.0	10
Insulation Worker	95	21	22.1	58	61.1	70	73.7	\$2,983,535	\$42,622	78	82.1	57
Line Erector	2	0	0.0	1	50.0	2	100.0	n/d	n/d	2	100.0	2
Line Maintainer	190	93	48.9	43	22.6	170	89.5	\$14,191,727	\$83,481	178	93.7	149
Lubrication Svcr Mtrls Disp Tech	21	7	33.3	14	66.7	21	100.0	\$665,824	\$31,706	21	100.0	15
Machinist	1	0	0.0	0	0.0	1	100.0	n/d	n/d	1	100.0	1
Maint. Mech. (Any Industry)	2	0	0.0	2	100.0	1	50.0	n/d	n/d	1	50.0	1
Maint. Mech. (Const, Petrol)	186	92	49.5	66	35.5	170	91.4	\$10,511,401	\$61,832	176	94.6	133
Maint. Repairer, Industrial	17	6	35.3	11	64.7	7	41.2	\$181,056	\$25,865	10	58.8	3
Maintenance Mechanic, Tele.	198	95	48.0	52	26.3	177	89.4	\$9,500,472	\$53,675	187	94.4	159
Maintenance Repairer, Build	274	41	15.0	189	69.0	201	73.4	\$4,646,302	\$23,116	248	90.5	142
Material Coordinator	25	1	4.0	24	96.0	13	52.0	\$550,284	\$42,330	18	72.0	9
Meat Cutter	1	0	0.0	0	0.0	1	100.0	n/d	n/d	1	100.0	1
Mechanic, Industrial Truck	2	0	0.0	1	50.0	2	100.0	n/d	n/d	2	100.0	2
Millwright	51	11	21.6	34	66.7	42	82.4	\$2,201,937	\$52,427	48	94.1	30
Nondestructive Tester	17	2	11.8	0	0.0	17	100.0	\$795,382	\$46,787	17	100.0	16
Office Manager/Admin Services	1	0	0.0	0	0.0	1	100.0	n/d	n/d	1	100.0	0
Operating Engineer	267	132	49.4	96	36.0	224	83.9	\$11,972,289	\$53,448	243	91.0	179
Optician, Dispensing	13	1	7.7	6	46.2	11	84.6	\$403,297	\$36,663	12	92.3	5
Painter (Const)	150	33	22.0	106	70.7	101	67.3	\$3,097,049	\$30,664	122	81.3	75
Painter, Shipyard	4	1	25.0	3	75.0	4	100.0	n/d	n/d	4	100.0	4
Pipe Fitter/Sprinkler Fitter	27	5	18.5	10	37.0	26	96.3	\$1,482,240	\$57,009	26	96.3	26
Pipe Fitter (Const)	260	79	30.4	107	41.2	226	86.9	\$12,201,155	\$53,987	240	92.3	194
Plasterer	40	4	10.0	34	85.0	26	65.0	\$926,550	\$35,637	32	80.0	16
Plumber	643	89	13.8	354	55.1	519	80.7	\$23,640,393	\$45,550	581	90.4	440
Power Plant Operator	6	2	33.3	2	33.3	6	100.0	\$466,685	\$77,781	6	100.0	5
Prospecting Driller (Petro)	28	0	0.0	0	0.0	26	92.9	\$471,187	\$18,123	28	100.0	13
Refrigeration Mech (Any Ind)	5	1	20.0	4	80.0	4	80.0	n/d	n/d	4	80.0	4
Residential Wireman	86	5	5.8	73	84.9	60	69.8	\$1,783,964	\$29,733	72	83.7	48
Roofer	145	9	6.2	110	75.9	95	65.5	\$2,632,074	\$27,706	115	79.3	67
Sheet Metal Worker	177	58	32.8	74	41.8	149	84.2	\$7,436,592	\$49,910	160	90.4	129
Stationary Engineer	2	2	100.0	0	0.0	2	100.0	n/d	n/d	2	100.0	1
Structural Steel/Ironworker	208	61	29.3	119	57.2	159	76.4	\$6,146,829	\$38,659	180	86.5	114
Surgical Technologist	9	6	66.7	3	33.3	9	100.0	\$346,424	\$38,492	9	100.0	7
Surveyor Assistant, Instru.	56	14	25.0	31	55.4	44	78.6	\$1,662,349	\$37,781	50	89.3	25
Tile Setter	5	1	20.0	3	60.0	4	80.0	n/d	n/d	5	100.0	3
Tree Trimmer (Line Clear)	11	4	36.4	6	54.5	9	81.8	\$287,294	\$31,922	11	100.0	4
Welder/fitter	6	0	0.0	6	100.0	4	66.7	n/d	n/d	5	83.3	1
Youth Development Practitioner	14	0	0.0	14	100.0	12	85.7	\$512,105	\$42,675	13	92.9	0
<b>OCCUPATIONAL 2009 WORK STATUS</b>												
Not working	1,360	181	13.3	1,078	79.3	0	0.0	\$0	\$0	600	44.1	0
Working in unrelated occupation	1,127	179	15.9	806	71.5	1,127	100.0	\$38,524,114	\$34,183	1,127	100.0	0
Working in same one-digit occupation as apprenticeship	4,446	1,503	33.8	1,741	39.2	4,446	100.0	\$214,534,005	\$48,253	4,446	100.0	4,446

Notes:  
 This exhibit represents the apprentices who registered for their apprenticeship between January 1998 and December 2009.  
 The abbreviation "n/d" means the data are not disclosable due to confidentiality restrictions.  
<sup>1</sup>"Resident" means someone who applied for an Alaska Permanent Fund dividend in 2009 or 2010.  
<sup>2</sup>Occupation titles are from the List of Officially Recognized Apprenticeship Occupations from the U.S. Department of Labor's Office of Apprenticeship.  
 Sources: Alaska Department of Labor and Workforce Development, Research and Analysis Section; U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship