

Presentation for Basic Education Finance Joint Task Force, December 13, 2007
Paul Sommers, Ph.D., Seattle University

NOTES

June 2007 occupational projections from ESD

Projections for 2004-2008 and 2009-2014

Focus on job openings from 2009-2014

Projections for openings related to growth based on economic forecast for state

Projections for replacement openings based on national data concerning retirements and occupational transfers

SJI work on middle wage jobs

--middle wage based on living wage standard of at least \$17 per hour

--occupations paying at least \$17/hr. and no more than 39% of incumbent workers nationally have bachelors or graduate degrees

Remaining occupations classified as:

--high skill/high wage (40% or more of incumbents have bachelors or higher and median wage is at least \$17/hour)

--high skill/low wage (40% or more of incumbents have bachelors or higher but median wage is lower than \$17/hour)

--low wage (not more than 39% of incumbents have a college degree and wage is below \$17/hour)

	Annual Openings 2009-14 Due to Growth	Annual Replace- ment Openings 2009-14	Average Annual Salary	Percent with High School Diploma or Less	Percent with Some College	Percent with BA or Higher Degree
High Skill and Wage	12,014	17,293	\$ 85,390	14.2	27.7	58.1
High Skill and Low Wage	970	1,353	\$ 29,822	17.9	28.4	53.7
Middle Wage	9,667	28,640	\$ 48,616	50.8	36.2	13.1
Low Skill	22,519	66,204	\$ 29,022	61.2	28.7	10.1

Occupation	High Skill/ High Wage
Registered Nurses	2464
Sales Representatives, Wholesale and Manufacturing, Except Tech. & Scientific Products	1353
Elementary School Teachers, Except Special Education	1142
Accountants and Auditors	1052
Computer Software Engineers, Applications	926
Computer Programmers	763
Secondary School Teachers, Except Special and Vocational Education	757
General and Operations Managers	623
Middle School Teachers, Except Special and Vocational Education	621
Managers, All Other	581
Computer Software Engineers, Systems Software	577
Lawyers	548
Computer Support Specialists	496
Civil Engineers	486
Market Research Analysts	478
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	432
Computer Systems Analysts	406
Management Analysts	378
MultiMedia Artists and Animators	291
Insurance Sales Agents	288
Network and Computer Systems Administrators	263
Financial Managers	252
Vocational Education Teachers, Postsecondary	251
Loan Officers	244
Network Systems and Data Communications Analysts	243
Aerospace Engineers	232

Occupation	High Skill/ Low Wage
Rehabilitation Counselors	525
Coaches and Scouts	361
Social and Human Service Assistants	293
Fitness Trainers and Aerobics Instructors	256
Recreation Workers	225
Preschool Teachers, Except Special Education	171
Library Technicians	131
Substance Abuse and Behavioral Disorder Counselors	102
Merchandise Displayers and Window Trimmers	95
Tax Preparers	66
Floral Designers	50
Forest and Conservation Technicians	48
Actors	25

Occupation	Middle Wage
Carpenters	1595
Truck Drivers, Heavy and TractorTrailer	1300
First-Line Supervisors/Managers of Office and Administrative Support Workers	1134
First-Line Supervisors/Managers of Retail Sales Workers	1067
Maintenance and Repair Workers, General	916
Business Operations Specialists, All Other	799
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	683
Executive Secretaries and Administrative Assistants	676
Dental Assistants	582
Electricians	552
Automotive Service Technicians and Mechanics	550
Sales Representatives, Services, All Other	529
Licensed Practical and Licensed Vocational Nurses	523
First-Line Supervisors/Managers of Food Preparation and Serving Workers	516
First-Line Supervisors/Managers of Non-Retail Sales Workers	484
Operating Engineers and Other Construction Equipment Operators	465
Plumbers, Pipefitters, and Steamfitters	447
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	362
Construction Managers	344
First-Line Supervisors/Managers of Production and Operating Workers	326
Court, Municipal, and License Clerks	325
Police and Sheriff's Patrol Officers	316
Fire Fighters	280
Welders, Cutters, Solderers, and Brazers	275
Sales and Related Workers, All Other	267

Occupation	Low Wage
Retail Salespersons	4175
Combined Food Preparation and Serving Workers, Including Fast Food	3246
Cashiers	3131
Waiters and Waitresses	2866
Office Clerks, General	2759
Laborers and Freight, Stock, and Material Movers, Hand	2394
Child Care Workers	1991
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1870
Bookkeeping, Accounting, and Auditing Clerks	1760
Agricultural Workers, All Other	1465
Maids and Housekeeping Cleaners	1439
Landscaping and Groundskeeping Workers	1287
Stock Clerks and Order Fillers	1285
Teacher Assistants	1270
Customer Service Representatives	1160
Secretaries, Except Legal, Medical, and Executive	1066
Receptionists and Information Clerks	1023
Nursing Aides, Orderlies, and Attendants	987
Medical Secretaries	910
Construction Laborers	887
Counter and Rental Clerks	873
Personal and Home Care Aides	855
Cooks, Restaurant	820
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	775
Teachers and Instructors, All Other	744

Occupation	Low Wage/ Highest Post- Secondary Requirements (>40% have some college)
Office Clerks, General	2759
Bookkeeping, Accounting, and Auditing Clerks	1760
Teacher Assistants	1270
Customer Service Representatives	1160
Secretaries, Except Legal, Medical, and Executive	1066
Medical Secretaries	910
Tellers	658
Hairdressers, Hairstylists, and Cosmetologists	631
Billing and Posting Clerks and Machine Operators	522
Medical Assistants	482
Interviewers, Except Eligibility and Loan	290
Amusement and Recreation Attendants	257
Healthcare Support Workers, All Other	240
Travel Agents	223
Medical Records and Health Information Technicians	205
File Clerks	201
Library Assistants, Clerical	189
Data Entry Keyers	172
Insurance Claims and Policy Processing Clerks	166
Pharmacy Technicians	147
Reservation and Transportation Ticket Agents and Travel Clerks	121
Medical Transcriptionists	106
New Accounts Clerks	100
Veterinary Assistants and Laboratory Animal Caretakers	86
Transportation Workers, All Other	84
Medical Equipment Preparers	83
Word Processors and Typists	69
Residential Advisors	63
Physical Therapist Aides	50
Veterinary Technologists and Technicians	50
Water and Liquid Waste Treatment Plant and System Operators	50
Gaming Cage Workers	42
Pharmacy Aides	39
Industrial Engineering Technicians	36
Psychiatric Technicians	34
Baggage Porters and Bellhops	31
Electronic Equipment Installers and Repairers, Motor Vehicles	30
Audio and Video Equipment Technicians	28
Broadcast Technicians	27
Tool and Die Makers	25
Railroad Conductors and Yardmasters	21
Sound Engineering Technicians	14
Transit and Railroad Police	13
Funeral Attendants	13
Power Distributors and Dispatchers	11
Telephone Operators	10

Dietetic Technicians	7
Tire Builders	7
Traffic Technicians	6
Musical Instrument Repairers and Tuners	5
Parking Enforcement Workers	5
Occupational Therapist Aides	4