

SHAPE YOUR WORLD – FIND THE RIGHT CAREER FOR YOU!

Just like trying on a pair of shoes, picking a career is all about finding one that's a good fit.

- "Does it match my personality?"
- "Does it call for the skills I'm good at?"
- "Are the location, pay, and benefits right for me?"
- "Will it allow me to learn and grow?"
- "Will I love what I do?"
- "Will it allow me to make a difference in the world?"
- "Is this a "green" job that will protect the environment and lead to a sustainable future?"

STEP 1 FIND A MATCH.

Use the table on pages 8-15 to find a match between career clusters that appeal to you and fit the questions you answered above in the related, in-demand public works careers.

STEP 2 GET THE FACTS.

Research and read information about public works careers. The American Public Works Association has local chapters across North America and every municipality has public works professionals willing to answer questions and discuss opportunities for job shadowing or on-site visits. To learn more about public works opportunities go to <https://workzone.apwa.net>.

STEP 3 MAKE A PLAN.

Talk to your guidance counselor about how you can apply your current plan of study and interests to best prepare you for a career in public works.

The charts on the following pages will help you quickly identify the public works careers that matches your interests and fit your specific goals, skills, and interests.

Finding a public works career that matches the career pathways and clusters you're most interested in is **as easy as 1-2-3.**

KEY

Use the below information to read the table on the following pages.

A CAREER CLUSTER

-  Agriculture, Food, and Natural Resources
-  Architecture and Construction
-  Business Management and Administration
-  Education and Training
-  Finance
-  Government and Public Administration
-  Information Technology
-  Law, Public Safety, Corrections, and Security
-  Manufacturing
-  Science, Technology, Engineering and Mathematics
-  Transportation, Distribution and Logistics

The national Career Cluster framework organizes careers based on common knowledge, skills and abilities to help students plan their education for a smooth transition to college or work. Match the Career Clusters that appeal to you with the related public works careers.

B EDUCATIONAL REQUIREMENTS

-  HS = High School Diploma
-  TT = Technical Training
-  C = College

The educational requirement information is based on entry level positions for each career. This information was provided by public works departments throughout North America.

C AVERAGE SALARY

Average salaries vary with locations and regions. Average salary information typically comes from the US Dept of Labor, Bureau of Labor Statistics, Occupational Employment, and Wage Estimates May 2020. Salary information for positions not listed by the US Department of Labor come from information provided by public works departments throughout North America.

D APPLIED LEARNING

Do you see yourself working in an office, the field, a plant?

-  Field
-  Office
-  Plant

E WORK MODE

Are you most comfortable working with your hands, machines, other people?

-  Hands
-  Machines
-  People

F APPLIED LEARNING

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G GREEN JOBS

Working in this career lets you help meet our most pressing environmental challenges.

-  Green Jobs

APPLIED LEARNING

ADMINISTRATION AND MANAGEMENT										CAREER CLUSTER	EDUCATION	AVERAGE SALARY	WORK ENVIRONMENT			WORK MODE			APPLIED LEARNING			Social Studies	GREEN JOB
			Field	Office	Plant	Hands	Machines	People	Language Arts				Math	Science	Science	Math	Language Arts						
Administrative Assistant					\$43,150																		
Assistant General Manager					\$100,963																		
Billing/Account Clerk					\$36,360																		
Budget Analyst for Public Works					\$80,220																		
Capital Contracts Manager					\$167,870																		
Capital Improvement Program Manager					\$92,850																		
Code Enforcement Officer					\$56,598																		
Community Development Director					\$80,895																		
Contract Specialist					\$47,492																		
Customer Service					\$37,136																		
Data Entry Clerk					\$36,256																		
Deputy Public Works Director					\$101,244																		
Finance Manager for Public Works					\$84,780																		
General Manager					\$92,230																		
Human Resources Manager for Public Works					\$108,600																		
IT Systems Specialist					\$59,364																		
IT Systems Support Specialist					\$68,252																		
Office Manager					\$48,700																		
Permit Manager					\$62,100																		
Planning and Zoning Director					\$66,020																		
Public Education Coordinator					\$50,440																		
Public Information Director/Public Relations					\$104,390																		
Public Works Director					\$110,000																		
Public Works Safety & Training Officer					\$57,830																		
Public Works Services Specialist					\$54,500																		

Construction Inspector			\$64,330	  	 		 	 	 	 	 	 	 	 	
Construction Manager			\$102,826	  	 		 	 	 	 	 	 	 	 	 
Construction Worker			\$51,702	  			 	 	 	 	 	 	 	 	 
Crew Leader			\$31,823	  			 	 	 	 	 	 	 	 	 
Equipment Operator			\$46,230	  			 	 	 	 	 	 	 	 	 
Heavy Equipment Operator			\$46,200	  			 	 	 	 					
Project Manager			\$79,036	  	 		 	 	 	 	 	 	 	 	 
Public Works Operator			\$33,590	  			 	 	 	 					

EMERGENCY MANAGEMENT

	CAREER CLUSTER	EDUCATION	AVERAGE SALARY	WORK ENVIRONMENT			WORK MODE			APPLIED LEARNING			Social Studies	GREEN JOB
				Field	Office	Plant	Hands	Machines	People	Language Arts	Math	Science		
Director of Emergency Management			\$90,830											
Emergency Operations Manager			\$60,330											
Emergency Preparedness Coordinator			\$56,950											
Operations Section Chief			\$90,100											
Recovery Coordinator			\$75,000											
Resiliency Officer			\$74,900											

ENGINEERING AND TECHNOLOGY

Associate Engineer			\$69,281											
CAD Designer			\$52,268											
CAD Manager			\$72,810											
CAD Technician			\$45,225											
City Engineer			\$96,888											
Civil Engineer			\$94,360											
Communications Technician			\$54,912											
Construction Inspector			\$64,330											
Construction Manager			\$105,000											
Engineering Assistant/ Intern			\$60,320											
Engineering Technician			\$60,320											
Geotechnical Engineer			\$84,200											
GIS Manager			\$72,900											
GIS Mapping Technician			\$60,320											
GIS Specialist in Public Works			\$76,000											
Mechanical Engineer			\$93,540											
Structural Engineer			\$89,080											

FACILITIES, GROUNDS AND URBAN FORESTRY

Arborist			\$54,840											
Building Crafts Mechanic			\$59,160											
Building Inspector			\$52,160											
Carpenter			\$43,890											
Custodian			\$24,370											
Facilities Director			\$106,550											
Facilities Maintenance Sr. Specialist			\$64,350											
Facilities Maintenance Worker			\$43,172											

EMERGENCY MANAGEMENT

CAREER CLUSTER	EDUCATION	AVERAGE SALARY	WORK ENVIRONMENT			WORK MODE			APPLIED LEARNING			Social Studies	GREEN JOB
			Field	Office	Plant	Hands	Machines	People	Language Arts	Math	Science		
Facilities Manager		\$92,792											
Facilities Supervisor		\$68,281											
Forestry Technician		\$42,740											
Grounds Technicians		\$33,400											
HVAC Worker		\$58,200											
Landscape Architect		\$66,880											
Parks and Grounds Worker		\$28,960											
Parks and Recreation Director		\$81,095											
Urban Forester		\$55,790											

FLEET SERVICES

Equipment Mechanic		\$51,918											
Fleet Manager		\$98,345											
Fleet Services Supervisor		\$62,048											
Fleet Technicians		\$50,710											
Inventory Control Clerk		\$35,896											
Parts and Inventory Manager		\$51,282											
Shop Foreman		\$56,170											

PUBLIC RIGHTS-OF-WAY

ADA/Pedestrian Facilities Coordinator		\$42,380											
Assistant Surveyor		\$45,385											
Director of Utilities		\$122,500											
Real Property or Easement Manager		\$72,547											
Right-of-Way Manager		\$87,350											
Safety Manager		\$67,500											
Subsurface Utility Engineering Technician		\$36,500											
Survey Technician		\$40,370											
Surveyor		\$58,140											
Utility Clerk		\$32,550											
Utility Coordinator		\$44,200											

SOLID WASTE

Composting Manager		\$49,000											
Environmental Inspector		\$65,250											

TRANSPORTATION CONTINUED

CAREER CLUSTER	EDUCATION	AVERAGE SALARY	WORK ENVIRONMENT			WORK MODE			APPLIED LEARNING			Social Studies	GREEN JOB
			Field	Office	Plant	Hands	Machines	People	Language Arts	Math	Science		
Transportation Planning Associate	PG	\$70,487		Person				People	Book	Book	Science	Person	Green Job
Transportation Systems Modeler	PG	\$65,750	Person	Person			Machine	People	Book	Book	Science		
Tree Trimmer	HS	\$32,200	Person			Hand	Machine	Machine			Science		Green Job
Unmanned Aerial System/ Drone Operator	HS	\$59,139	Person			Hand	Machine	Machine			Science		

WATER RESOURCES

Chemist	PG	\$71,070	Person	Person				People	Book	Book	Science		
Environmental Program Manager	PG	\$79,374	Person	Person				People	Book		Science	Person	Green Job
Erosion Control Inspector	PG	\$60,515	Person	Person				People	Book	Book	Science		Green Job
Laboratory Technician	PG	\$35,550		Person	Plant		Machine	People			Science		
Meter Readers	HS	\$45,998	Person					People	Book				
Natural Resources Compliance Officer	PG	\$54,600	Person	Person				People	Book	Book	Science	Person	Green Job
Sewer Maintenance Worker	HS	\$36,550	Person			Hand	Machine	Machine				Person	Green Job
Sewer TV Technician	TT	\$42,500	Person			Hand	Machine	Machine		Book			
Stormwater Engineer	PG	\$77,970	Person	Person				People	Book		Science	Person	Green Job
Stormwater Manager	PG	\$47,350	Person	Person				People		Book	Science	Person	Green Job
Wastewater Collection Superintendent	PG	\$70,700	Person	Person				People	Book	Book	Science		
Wastewater Plant Supervisor	TT	\$60,000		Person	Plant	Hand	Machine	People	Book	Book	Science		
Wastewater Treatment Plant Maintenance Worker	HS	\$35,500		Person	Plant	Hand	Machine	Machine				Person	
Wastewater Treatment Plant Operator	HS	\$42,530		Person	Plant	Hand	Machine	Machine		Book			
Water Conservation Specialist	PG	\$58,850	Person	Person				People	Book	Book	Science	Person	Green Job
Water Plant Operators	TT	\$39,950		Person	Plant		Machine	Machine	Book	Book	Science		
Water Plant Supervisor	PG	\$62,750	Person	Person			Machine	Machine		Book	Science		Green Job
Water Production/Quality Control Officer	TT	\$46,600		Person	Plant		Machine	Machine	Book	Book			Green Job
Water System Maintenance Worker	HS	\$40,200	Person		Plant	Hand	Machine	Machine		Book			
Water Utility Service Worker	HS	\$32,950	Person		Plant	Hand	Machine	Machine		Book	Science		