

**BWXT Equipment Cost Comparison**  
**August 9, 2019**

BWXT Equipment Category	BWXT Equipment Rate (per month)	United Rentals Equipment Category	United Rentals Equipment Rate (per month)*	Difference between United Rentals and BWXT (in dollars)	% Difference	Is current estimate greater or less than BWXT estimate?
Hyster Fork Lift, Rubber Tire 5000 lbs.	\$ 2,709.89	Variable Reach Forklift, 5000lbs., 16-20'	\$ 2,463.00	\$ (246.89)	-9.1%	Less
Scissor Lift	\$ 2,131.66	Scissor Lift, 50 ft. -60ft., 4WD, Gas or Diesel Power Available	\$ 1,926.00	\$ (205.66)	-9.6%	Less
JD 690E Excavator	\$ 21,796.47	Excavator, 43,000-49,999 lbs.	\$ 6,067.00	\$ (15,729.47)	-72.2%	Less
Bobcat 753 Skid Loader	\$ 2,356.43	Skid Steer Track Loader 1700-1999 lbs.	\$ 2,260.00	\$ (96.43)	-4.1%	Less
JD 510D Backhoe Loader	\$ 5,528.55	Backhoe Loader, 60-90 hp, 4WD Extended, Cab	\$ 2,535.00	\$ (2,993.55)	-54.1%	Less
Dump Truck (6cy capacity)	\$ 1,767.32	Dump Truck 3 yard	\$ 2,685.00	\$ 917.68	51.9%	Greater

\*Data for current 2019 rental rates taken from United Rentals.  
<https://www.unitedrentals.com/marketplace/equipment#/>

## BWXT Labor Cost Comparison August 9, 2019

BWXT Labor Category	BWXT Labor Rate \$/hr.	BLS Labor Category-VA	BLS Labor Rate-VA \$/hr.*	Loaded Wage Factor***	Difference between BLS and BWXT (in dollars)	% Difference (VA)	Is BLS estimate greater or less than BWXT	BLS Labor Category - US	BLS Labor Rate - US \$/hr.**	Loaded Wage Factor***	Difference between BLS and BWXT (in dollars)	% Difference (US)	Is BLS estimate greater or less than BWXT estimate?
Engineer 1	\$ 84.11	Industrial Engineers	\$ 45.18	\$ 90.36	\$ 6.25	7%	Greater	Industrial Engineers, including Health and Safety	\$ 44.14	\$ 88.28	\$ 4.17	5%	Greater
Technologist	\$ 94.58	Radiologic Technologist	\$ 29.54	\$ 59.08	\$ (35.50)	-38%	Less	Radiologic Technologists	\$ 29.59	\$ 59.18	\$ (35.40)	-37%	Less
Environmental Engineer	\$ 74.85	Environmental Engineer	\$ 41.51	\$ 83.02	\$ 8.17	11%	Greater	Environmental Engineer	\$ 44.54	\$ 89.08	\$ 14.23	19%	Greater
Safety Specialist	\$ 82.86	Occupational Health and Safety	\$ 34.26	\$ 68.52	\$ (14.34)	-17%	Less	Occupational Health and Safety Specialist	\$ 36.03	\$ 72.06	\$ (10.80)	-13%	Less
Clerk	\$ 55.39	Production, Planning, and Expediting	\$ 25.21	\$ 50.42	\$ (4.97)	-9%	Less	Production, Planning, and Expediting Clerks	\$ 24.05	\$ 48.10	\$ (7.29)	-13%	Less
Project Manager	\$ 143.41	General and Operations Managers	\$ 68.27	\$ 136.54	\$ (6.87)	-5%	Less	General and Operations Managers	\$ 59.56	\$ 119.12	\$ (24.29)	-17%	Less
Chemist	\$ 123.57	Chemist	\$ 47.44	\$ 94.88	\$ (28.69)	-23%	Less	Chemist	\$ 40.31	\$ 80.62	\$ (42.95)	-35%	Less
Secretary	\$ 55.39	Bookkeeping, Accounting, and Auditing Clerks	\$ 20.74	\$ 41.48	\$ (13.91)	-25%	Less	Bookkeeping, Accounting, and Auditing Clerks	\$ 20.25	\$ 40.50	\$ (14.89)	-27%	Less

\*Data retrieved from Bureau of Labor Statistics. [https://www.bls.gov/oes/current/oes\\_va.htm#47-0000](https://www.bls.gov/oes/current/oes_va.htm#47-0000)

\*\*Data Retrieved From Bureau of Labor Statistics. [https://www.bls.gov/oes/current/oes\\_nat.htm](https://www.bls.gov/oes/current/oes_nat.htm)

\*\*\*In accordance with NUREG/CR-4627, Revision 2, "Generic Cost Estimates," issued February 1992, direct wage rates are loaded using a multiplier of two to account for contractor labor and overhead (i.e., fringe, benefits, general administration, and profit).