PCA Since 1916
America's Cement Manufacturers™

WATER RESOURCES PROJECTS
WEST VIRGINIA

Roller compacted concrete (RCC) has been used to construct large dams (dams over 50 feet high) in the United States since the first one was constructed in the early 1980's. Progess in design and construction over the ensuing decades have solidified RCC as an economical and resilient method to build large dams. See below for examples of successful large dam projects that have been completed in the state. Learn more by visiting PCA's Dams Page.

A red dot indicates RCC Dam project 50' and higher

Name	City	Date	Max Height (ft.)	Length (ft.)	RCC Volume (cy)	Cement (lb/cy)	Flyash (lb/cy)	Upstream Facing	Total Project Cost ($ Millions) (2)	RCC Unit Cost ($/cy) (2,3)	Owner	Designer	Contractor	River
North Fork Hughes River	Cairo	2000	86	1000	85,500	102	100	Precast Concrete Panels w/ Internal Liner	17.0	68.61	Natural Resources Conservation Service (NRCS)	Gannett-Fleming, Inc.	Barnard Construction Co.	North Fork Hughes River
Elkwater Fork	Huttonsville	2007	123	669	139,000	108	108	Precast Concrete Panels w/ Internal Liner	32.9	86.99	Natural Resources Conservation Service	Gannett-Fleming Inc.	Heeter Construction	Tygart Tributary

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Notes:	
1.	The information contained herein was compiled by the Portland Cement Association and published for informational purposes only. The user of this information is responsible for confirming the accuracy or completeness of the information.
2.	Cost information shown is nominal.
3.	RCC unit costs do not include mobilization costs.