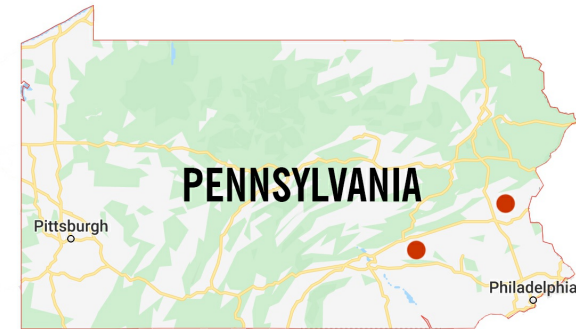


WATER RESOURCES PROJECTS PENNSYLVANIA

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. Progress 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
Christian E. Siegrist	Lebanon	1992	130	672	85,000	100	70	Precast Concrete Panels w/ Internal Liner	12.2	43.85	City of Lebanon Authority	Gannett-Fleming	Lodigiani USA, LTD.	Mill
Penn Forest	Bethlehem	1998	180	2,060	370,000	100	70	Precast Concrete Panels w/ Internal Liner	23.2	34.00	Bethlehem Authority, City of Bethlehem	Gannett-Fleming Inc.	Conti Enterprises Inc.	Wild Creek

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.