

WATER RESOURCES PROJECTS ARIZONA

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
Lower Chase Creek	Morenci	1987	64	400	18,000	105	70	Formed Conventional Unreinforced Concrete	—	33.80	Phelps Dodge Morenci Inc. & Sumitomo Metal Mining	Dames & Moore	ASI Contractors	Lower Chase Creek
Rocky Gulch	Morenci	1994	58	180	8,050	310	0	Formed Conventional Unreinforced Concrete	0.63	—	Phelps Dodge Corporation	Woodward Clyde Consultants	ASI-RCC Inc.	Rocky Gulch

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.