

# WATER RESOURCES PROJECTS NEW MEXICO

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
Grindstone Canyon	Ruidoso	1986	139	1,416	115,000	135 (average)	0	Formed Conventional Unreinforced Concrete (see comments)	7.5	25.58	Village of Ruidoso	Boyle Engineering	ASI Contractors	Grindstone
Comments:	Geomembrane liner applied to most of the upstream face to control seepage.													
Cuchillo Negro	Truth or Consequences	1991	164	610	97,200	130	100	Precast Concrete Panels	8.0	23.48	City of Truth or Consequences	USACE, Albuquerque	PCL Civil Constructors	Cuchillo Negro

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Pajarito Canyon	Los Alamos	2000	118	200	67,000	325	0	Earth or Rock Fill Placed Concurrently with RCC	—	74.40	US Department of Energy (Los Alamos Lab.)/US Army Corps of Engineers	URS-Woodward-Clyde	Sundt Construction	Pajarito

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.	RCC unit costs do not include mobilization costs.
3.	Cost information shown is nominal.