

WATER RESOURCES PROJECTS UTAH

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
Upper Stillwater	Duchesne	1987	294	2,673	1,471,000	134	290	Slip-Formed Facing Elements	60.6	23.81	Central Utah Water Conservancy District	US Bureau of Reclamation	Tyger Construction Co. Inc. (Atkinson Group)	Rock Creek
Quail Creek South	St. George	1990	137	2,000	170,000	135	90	Formed Conventional Unreinforced Concrete	6.4	20.43	Washington County Water Conservancy District	Morrison-Knudsen Engineers	ASI-RCC Inc.	Quail Creek

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Barnard Creek	Centerville	1999	59	150	3,400	180	140	Formed RCC w/ Shotcrete	0.76	72.00	City of Centerville	ESI Consultants	Nordic Industries	Barnard 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. RCC unit costs do not include mobilization costs.
3. Cost information shown is nominal.