

WATER RESOURCES PROJECTS GEORGIA

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
Hudson River #11	Baldwin	1993	68	550	34,000	201	147	Precast Concrete Panels w/ Internal Liner	3.3	48.13	Banks County	Natural Resources Conservation Service (NRCS)	Dames and Moore	Mountain Creek
Jack Turner (formerly Big Haynes)	Conyers	1996	88	1,400	93,700	70	70	Precast Concrete Panels w/ Internal Liner	8.5	32.28	Conyers-Rockdale Big Haynes Imp. Authority	Jordan, Jones & Goulding	Dames and Moore	Big Haynes Creek

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Hickory Log Creek	Canton	2007	180	970	220,000	150*	150*	Precast Concrete Panels w/ Internal Liner	36.6	75.28	Cobb County, Marietta Water Authority & City of Canton	Schnabel Engineering	Thalle Construction (ASI Constructors - subcontractor)	Hickory Log Creek
Comments:	*2nd RCC Mix - 135 Cement + 165 Flyash													

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.