



Selected Dam Projects

Project Name	Client	Location	Approximate Storage Capacity (acre-feet)	Third Party Review/ Due Diligence	Project Management	Alternative Analysis	Dam Construction Type	Conceptual Design/ Feasibility Study	Spillway Type	Geotechnical Investigation	Detailed Design and Technical Specifications	Design Review	Construction Cost Estimate	Construction Management	Construction QA/QC	Bid Document Preparation/ Bid Process	Permitting Assistance
Mill 1	Newmont	Nevada	1,400			◆	ZE	◆	R	◆		◆			◆	◆	◆
Aspus Dam	Colorado Ute	Colorado	800		◆	◆	ZE		R	◆	◆		◆	◆	◆	◆	◆
Barrick North Block	Barrick	Nevada	65,000				ZE		R	◆		◆					
Big Springs	Freeport McMoran	Nevada	1,200			◆	ZE	◆	R	◆	◆	◆			◆	◆	◆
Bingham Canyon	Kennecott	Utah	900,000	◆	◆		ZE		N								
Bison #2 Dam	City of Victor	Colorado	225		◆	◆	ZER	◆	GR/R	◆	◆		◆	◆	◆	◆	◆
Cedar Mesa Dam	Cedar Mesa Ditch and Reservoir Co.	Colorado	1,000		◆	◆	ZE	◆	R	◆	◆		◆	◆	◆	◆	
City Dam	City of Williams	Arizona	130				ZE		C	◆		◆					
Cole No. 5	Surface Creek Reservoir Co.	Colorado	120				ZE		R			◆					
Copper Cities	BHP	Arizona	26,000	◆			ZE		N	◆	◆		◆			◆	◆
Electra Lake Dam	Colorado Ute	Colorado	45,000		◆	◆	ZRC		R	◆	◆		◆	◆	◆	◆	◆
Fort Knox Phase I Expansion	Fairbanks Gold	Alaska	26,200		◆	◆	ZE	◆	N	◆	◆		◆	◆	◆	◆	◆
Fort Knox Phase II Expansion	Fairbanks Gold	Alaska	26,200		◆	◆	ZE	◆	N	◆	◆		◆	◆	◆	◆	◆
Fort Knox Phase III Expansion	Fairbanks Gold	Alaska	27,000		◆	◆	ZE	◆	N	◆	◆		◆	◆	◆	◆	◆
Fort Knox Phase IV Expansion	Fairbanks Gold	Alaska	24,000		◆	◆	ZE	◆	N	◆	◆		◆	◆	◆	◆	◆
Fort Knox Starter Storage Dam	Fairbanks Gold	Alaska	13,100		◆	◆	ZE	◆	N	◆	◆		◆	◆	◆	◆	◆
Fort Knox Water Dam	Fairbanks Gold Mining, Inc.	Alaska	4,000		◆	◆	ZER	◆	C	◆	◆		◆	◆	◆	◆	◆
Getchel	Santa Fe	Nevada	16,500				ZE		N	◆		◆					
Getchel Dam	Santa Fe	Colorado	12,000				ZE		R			◆					
Gilt Edge	Brohm Mining	South Dakota	131,000		◆	◆	ZE	◆	C	◆			◆				◆
Grants	Homestake	New Mexico	4,275				ZE		R					◆	◆	◆	◆
Grey Rocks Dam	Wyoming Water Dev.	Wyoming	40,000			◆	ZE		R				◆	◆	◆		
Grizzly Gulch	Homestake	South Dakota	98,200	◆			ZE		R								
Haile	Haile	South Carolina	4,350		◆	◆	ZE	◆	R	◆		◆	◆				◆
Halligan Dam	City of Fort Collins	Colorado	40,000			◆	C		C	◆		◆	◆				
Horse Creek Reservoir	Urban Drainage and Flood Control	Colorado	19,000				ZE		R			◆					
Illinois Creek Dam	USMX	Alaska	10,000				ZES		R			◆					
James Creek	Newmont	Nevada	3,250		◆	◆	ZE	◆	R	◆							
Jerritt Canyon Phase I Expansion	Freeport McMoran	Nevada	6,600		◆	◆	ZE		R	◆	◆		◆	◆	◆	◆	◆
Jerritt Canyon Phase II Expansion	Freeport McMoran	Nevada	6,200		◆	◆	ZE		R			◆	◆				◆
Jerritt Canyon Phase III Expansion	Freeport McMoran	Nevada	8,000		◆	◆	ZE		R			◆	◆				◆
Kodiak Dam No. 1	Alaska DNR-Safety of Dam	Alaska	30,000	◆			ZE		C/R			◆					
Kubaka	Amax	Siberia	13,200	◆			ZE		GR								
Kuranahk	Newmont	Siberia	13,050		◆	◆	ZE	◆	R				◆				◆



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Lone Tree	Santa Fe	Nevada	16,400				ZE		N	◆		◆					
Lone Tree Dam	Santa Fe Pacific	Nevada	18,000				ZE		R	◆		◆					
Maggie Creek Dam	Newmont Gold Company	Nevada	10,000	◆	◆	◆	ZE		R	◆	◆		◆		◆	◆	◆
Miami Unit	BHP	Arizona	10,200	◆		◆	ZE		N	◆	◆		◆			◆	◆
Military Park Dam	Grand Mesa Water Users	Colorado	2,000	◆			ZE		N								
Mill 3	Newmont	Nevada	1,500			◆	ZE	◆	N	◆	◆		◆	◆	◆		
Mill 4/1 Phase II Expansion	Newmont	Nevada	2,500		◆	◆	ZE	◆	R	◆	◆		◆	◆	◆	◆	◆
Mill 4/1 Phase I Expansion	Newmont	Nevada	2,600		◆	◆	ZE	◆	R	◆	◆		◆	◆	◆	◆	◆
Mill 4/1 Starter Embankment	Newmont	Nevada	3,300		◆	◆	ZE	◆		◆	◆		◆	◆	◆	◆	◆
Mill 4/2 Phase I Expansion	Newmont	Nevada	6,600			◆	ZE	◆	R	◆	◆		◆		◆	◆	◆
Mill 4/2 Starter Facility	Newmont	Nevada	9,850			◆	ZE	◆	R	◆	◆		◆		◆	◆	◆
Mill 5/6 Phase I Expansion	Newmont	Nevada	19,600			◆	ZE		R	◆	◆		◆				◆
Mill 5/6 Phase II Expansion	Newmont	Nevada	17,400				ZE		R			◆	◆				
Mill 5/6 Starter Facility	Newmont	Nevada	39,300			◆	ZE	◆	R	◆	◆	◆	◆	◆	◆	◆	◆
Mule Canyon	Santa Fe	Nevada	13,100			◆	ZE		N			◆					
Mule Canyon Dam	Santa Fe	Burma	20,000				ZE		R			◆					
Needle Creek Dam	Needle Creek Reservoir	Colorado	1,000		◆	◆	HE	◆	N	◆	◆		◆	◆	◆	◆	◆
New World	Crown Butte Mines	Montana	30,000		◆	◆	ZE	◆	R	◆			◆				◆
Overflow Dam	Brewer Gold Co.	South Carolina	450	◆	◆	◆	ZE		R	◆	◆	◆	◆		◆	◆	◆
Pinal Creek	BHP	Arizona	125,000	◆			ZE		N	◆	◆		◆				◆
Pinal Creek Div. Dam	Cambior	Arizona	250		◆	◆	ZE		SC	◆	◆		◆				◆
Platte Canyon Dam	City of Denver	Colorado	3,000		◆	◆	HE		R								
Pullali	Pegasus	Chile	9,850		◆	◆	ZE	◆	GR	◆		◆	◆				◆
Raftopolous Dam #1	John Raftopolous	Colorado	120				HE										
Ranch Reservoir	Barrick Mining Co.	Nevada	50,000				ZE										
Refugio Stormwater Dam	Maricunga	Chile	200		◆	◆	ZE		R	◆	◆		◆	◆	◆	◆	◆
Reuter Hess Dam	Parker Water and Sanitation District	Colorado	60,000		◆	◆	ZE	◆	GR	◆			◆				◆
Ridgeway	Kennecott	South Carolina	12,200	◆	◆		ZE		R								
San Manuel	BHP	Arizona	325,000	◆			ZE		R								
Seven-Up Pete	Phelps Dodge	Montana	30,000			◆	ZE	◆	N	◆			◆				
Seven-Up Pete	Phelps Dodge	Montana	20,000		◆	◆	ZES	◆	GR	◆			◆				◆
Tigers Reservoir	State of Colorado	Colorado	250	◆			ZE		R			◆					
Twin Creeks Dam	Santa Fe	Colorado	15,000				ZE		R			◆					



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Williams Dam	City of Williams	Arizona	1,000				ZE		R			◆					
Young Creek	Young Creek Res. Co.	Colorado	800		◆	◆	HE		N	◆	◆		◆	◆	◆	◆	◆
TOTAL			2,493,470														

NOTES:

Dam construction types include the following:

- Z - Zoned
- HE - Homogeneous Earthfill
- R - Rockfill
- RCC - Roller Compacted Concrete
- C - Reinforced Concrete
- S - Synthetically lined

Spillway types include the following:

- R - riprap lined
- N - natural rock or soil/grass lined
- C - reinforced concrete
- GR - grouted riprap
- SC - shotcrete