

Resource Assessment List of 70 Sites with Potential for Additional Hydropower

Out of 530 sites studied, these 70 sites have the highest Benefit Cost Ratio. The ratio used incorporates green incentives for developing clean renewable energy available from existing Federal and state programs.

Arizona

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Gila Gravity Main Canal Headworks	223	1,548	1.17
Horseshoe Dam	13,857	59,854	2.98
Bartlett Dam	7,529	36,880	3.5
Imperial Dam*	1,079	5,325	1.61
Totals	22,688	103,607	

*Imperial Dam is located on the Colorado River and borders Arizona and California

California

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
John Franchi Dam	469	1,863	0.9
Boca Dam	1,184	4,370	1.68
Prosser Creek Dam	872	3,819	1.98
Putah Diversion Dam	363	1,924	1.16
Casitas Dam	1,042	3,280	1.57
Totals	3,930	15,256	

Colorado

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Grand Valley Diversion Dam	1,979	14,246	1.55
Twin Lakes Dam (USBR)	981	5,648	1.24
East Portal Diversion Dam	283	1,799	0.96
Granby Dam	484	2,854	1.16
Olympus Dam	284	1,549	0.82
Pueblo Dam	13,027	55,620	2.34
Paonia Dam	1,582	5,821	0.79
Ridgway Dam	3,366	14,040	1.35
Rifle Gap Dam	341	1,740	0.92
South Canal Tunnels	884	4,497	0.84
South Canal, Sta 19+10 Site #1" "	2,465	12,576	1.32
South Canal, Sta. 181+10, Site #4" "	3,046	15,536	1.44
South Canal, Sta. 472+00, Site #5" "	1,354	6,905	1.05
South Canal, Sta.106+65, Site #3" "	2,224	11,343	1.26
Southside Canal, Sta 171+90 to 200+67	2,026	6,557	1.05
Southside Canal, Sta 349+ 05 to 75+	1,651	5,344	0.93
Taylor Park Dam	2,543	12,488	1.12
Gunnison Diversion Dam	1,435	9,220	1.28
Gunnison Tunnel	3,830	19,057	1.55
M&D Canal-Shavano Falls	2,862	15,419	1.88
Totals	46,647	222,259	

Idaho

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Ririe Dam	993	3,778	0.94
<i>Totals</i>	<i>993</i>	<i>3,778</i>	

Montana

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
St. Mary Canal - Drop 4	2,569	8,919	0.82
St. Mary Canal - Drop 5	1,901	7,586	0.75
Vandalia Diversion Dam	326	1,907	0.87
Yellowtail Afterbay Dam	9,203	68,261	3.05
Clark Canyon Dam	3,078	13,689	1.52
Fresno Dam	1,661	6,268	0.88
Gibson Dam	8,521	30,774	1.32
Glen Elder Dam	1,008	3,713	0.81
Helena Valley Pumping Plant	2,626	9,608	1.38
Huntley Diversion Dam	2,426	17,430	1.86
<i>Totals</i>	<i>33,319</i>	<i>168,155</i>	

Nebraska

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Virginia Smith Dam	1,607	9,799	0.88
<i>Totals</i>	<i>1,607</i>	<i>9,799</i>	

Nevada

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Marble Bluff Dam	1,153	5,624	0.83
<i>Totals</i>	<i>1,153</i>	<i>5,624</i>	

New Mexico

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Sumner Dam	822	4,300	0.98
Caballo Dam	3,260	15,095	1.45
Heron Dam	2,701	8,874	1.06
<i>Totals</i>	<i>6,783</i>	<i>28,269</i>	

Oregon

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Wickiup Dam	3,950	15,650	0.98
Emigrant Dam	733	2,619	0.99
Haystack	805	3,738	0.85
McKay Dam	1,362	4,344	0.88
Arthur R. Bowman Dam	3,293	18,282	1.9
Scoggins Dam	955	3,683	0.92
<i>Totals</i>	<i>11,908</i>	<i>48,316</i>	

South Dakota

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Angostura Dam	947	3,218	0.9
Pactola Dam	596	2,725	1.07
<i>Totals</i>	<i>1,543</i>	<i>5,943</i>	

Texas

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Twin Buttes Dam	23,124	97,457	2.61
<i>Totals</i>	<i>23,124</i>	<i>97,457</i>	

Utah

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Sixth Water Flow Control	25,800	114,420	3.02
Soldier Creek Dam	444	2,909	1.39
Spanish Fork Flow Control Structure	8,114	22,920	1.66
Starvation Dam	3,043	13,168	1.23
Syar Tunnel	1,762	7,982	0.99
Upper Diamond Fork Flow Control Structure	12,214	52,161	2.36
Joes Valley Dam	1,624	6,596	0.85
<i>Totals</i>	<i>53,001</i>	<i>220,156</i>	

Washington

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Kachess Dam	1,227	3,877	0.77
Cle Elum Dam	7,249	14,911	0.94
Easton Diversion Dam	1,057	7,400	1.68
Keechelus Dam	2,394	6,746	0.87
Scootney Wasteway	2,276	11,238	1.26
Sunnyside Dam	1,362	10,182	1.43
<i>Totals</i>	<i>15,565</i>	<i>54,354</i>	

Wyoming

Facility Name	Installed Capacity (kW)	Annual Production (MWh)	Benefit Cost Ratio
Willwood Diversion Dam	1,062	6,337	1.1
Gray Reef Dam	2,067	13,059	1.58
Pathfinder Dam	743	5,508	1.23
<i>Totals</i>	<i>3,872</i>	<i>24,904</i>	