

[參考資料]

# 세계의 高댐, 巨大土石댐, 大型人造湖 및 大容量水力發電所一覽

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## 세계의 人造湖

담 名	貯水容量		(竣工年)
	(1百萬 m <sup>3</sup> )	千 acre-feet)	
1. Owen Falls, Uganda 2/	204,800	166,000	1954
2. Bratsk, U.S.S.R.	169,270	137,000	1964
3. High Aswan (Saad-El-Aili), Egypt	164,000	133,000	1970
4. Kariba, Rhodesia	160,368	130,000	1959
5. Akosombo, Ghana	148,000	120,000	1965
6. Daniel Johnson, Canada 3/	141,852	115,000	1968
7. Krasnoyarsk, U.S.S.R.	73,300	59,425	1972
8. W.A.C. Bennett, Canada 4/	70,309	57,000	1967
9. Zeya, U.S.S.R.	68,400	55,500	U.C.
10. Cabora Bassa, Portugal (Mozambique)	64,000	51,900	U.C.
11. Ust-Ilimsk, U.S.S.R.	59,300	48,100	U.C.
12. Volga, V.I. Lenin, U.S.S.R.	58,000	47,020	1955
13. Bukhtarma, U.S.S.R. 2/	53,000	42,970	1960
14. Irkutsk, U.S.S.R. 2/	46,000	37,290	1956
15. Hoover, U.S.A.	36,700	29,755	1936
16. Volga-22nd Congress, U.S.S.R.	33,500	27,160	1958
17. Glen Canyon, U.S.A.	33,305	27,000	1964
18. Churchill Falls, Canada 5/	32,317	26,200	1971
19. Sayansk, U.S.S.R.	31,300	25,353	U.C.
20. Keban, Turkey	31,000	25,110	U.C.
21. Garrison, U.S.A.	30,000	24,300	1956
22. Iroquois, Canada 2/	29,960	24,288	1958
23. Oahe, U.S.A.	29,100	23,600	1963
24. Itaipu, Brazil-Paraguay	29,000	23,511	U.C.
25. Kossou, Ivory Coast	28,750	23,308	U.C.

1/ 댐建設로서 形成됨      2/ 天然湖의 擴大      3/ Formerly Manicouagan No. 5  
4/ Formerly Portage Mountain      5/ 몇 小댐에 對한 容量包含      UC=建設中

## 세계의 高댐

담 名	型	높 이		(完工年)
		(m)	(feet)	
1. Nurek, U.S.S.R.	E	317	1,040	U.C.
2. Grande Dixence, Switzer land	C	285	935	1962
3. Inguri, U.S.S.R.	C	272	892	U.C.
4. Vaiont, Italy	C	262	858	1961
5. Mica, Canada	E	242	794	U.C.

6. Sayansk, U.S.S.R.	C	242	794	U.C.
7. Chivor, Colombia	E	237	778	U.C.
8. Mauvoisin, Switlerland	C	237	778	1957
9. Oroville, U.S.A.	E	235	770	1968
10. Chirkey, U.S.S.R.	C	233	764	U.C.
11. Bhakra, India	C	226	742	1963
12. Hoover, U.S.A.	C	221	726	1936
13. Mratinje, Yugoslavia	C	220	722	U.C.
14. Contra, Switzerland	C	220	722	1965
15. Dworshak, U.S.A.	C	219	719	U.C.
16. Glen Canyon, U.S.A.	C	216	710	1964
17. Toktogul, U.S.S.R.	C	215	705	U.C.
18. Daniel Johnson, Canada 1/	C	214	703	1968
19. Auburn, U.S.A.	C	212	695	U.C.
20. Luzzone, Switzerland	C	208	682	1963
21. Keban, Turkey	ER/PG	207	679	U.C.
22. Mohamed Reza Chah Pahlavi, Iran	C	203	666	1963
23. Alamendra, Spain	C	202	662	1970
24. Reza Chah Kabir, Iran	C	200	656	U.C.
25. Kölnbrein, Austria	C	198	650	U.C.

C=콘크리트

E=흙 또는 모크·필

U.C.=工事中

1/ Formerly Manicouagan No. 5

## 世界巨大型댐

명	名	容 積		(完工年)
		(千 m <sup>3</sup> )	(千 y <sup>3</sup> )	
1. Tarbela, Pakistan		142,000	186,000	U.C.
2. Fort Peck, U.S.A.		96,034	125,612	1940
3. Oahe, U.S.A.		70,343	92,008	1963
4. Mangla, Pakistan		65,651	85,872	1967
5. Gardiner, Canada 1/		65,553	85,743	1968
6. Oroville, U.S.A.		59,639	78,008	1968
7. San Luis, U.S.A.		59,378	77,666	1967
8. Nurek, U.S.S.R.		58,000	75,864	U.C.
9. Nagarjuna Sagar, India		56,250	73,575	U.C.
10. Garrison, U.S.A.		50,846	66,506	1956
11. Cochiti, U.S.A.		46,640	61,005	U.C.
12. Gorky, U.S.S.R.		44,320	57,967	1955
13. Kiev, U.S.S.R.		44,000	57,552	1964
14. W.A.C. Bennett, Canada 2/		43,733	57,203	1968
15. High Aswan (Saad-El-Aili), Egypt		42,620	55,747	1970
16. Fort Randall, U.S.A.		38,383	50,205	1956
17. Kanev, U.S.S.R.		37,860	49,520	U.C.
18. Kakhovka, U.S.S.R.		35,640	46,617	1955
19. Tsimlyanska, U.S.S.R.		33,891	44,323	1952
20. Volga, V.I. Lenin, U.S.S.R.		33,869	44,298	1955
21. Castaic, U.S.A.		33,642	44,000	1971
22. Jari, Pakistan		32,440	42,400	1967
23. Beas, India		32,310	42,261	U.C.
24. Mica, Canada		32,111	42,001	U.C.
25. Kremenchug, U.S.S.R.		31,429	41,192	1961

1/ Formerly South Saskatchewan

2/ Formerly Portage Mountain

※ 댐構造物의 全體積을 말함. 表中의 各댐은 흙 또는 크로필型으로서 Based on total volume of dam structure. All dams listed are predominately earth or rockfill and may contain masonry sections. 콘크리트斷面도 包含되고 있다.  
U.C.=工事中

## 世界の 大容量水力發電所

順 名	國 名	設備容量		操業始作年
		MW(現在)	MW(極大)	
1. Itaipu	Brazil-Paraguay	...	10,710	U.C.
2. Grand Coulee	U.S.A.	2,161	9,780.1/	1941
3. Guri	Venezuela	524	6,500	1967
4. Sayansk	U.S.S.R.	...	6,400	U.C.
5. Krasnoyarsk	U.S.S.R.	6,096	6,096	1968
6. Paulo Afonso	Brazil	1,030	5,942.6/	1955
7. Churchill Falls	Canada	1,900	5,225	1971
8. Bratsk	U.S.S.R.	4,500	4,600	1964
9. Sukhovo	U.S.S.R.	...	4,500	U.C.
10. Ust-Ilimsk	U.S.S.R.	720	4,300	U.C.
11. Cabora Basa	Portugal(Mozambique)	...	4,000	U.C.
12. Inga	Zaire	350	3,700	U.C.
13. Chief Joseph	U.S.A.	1,024	3,642.2/	1956
14. Ilha Solteira	Brazil	...	3,200	U.C.
15. John Day	U.S.A.	2,160	2,700	1968
16. Nurek	U.S.S.R.	...	2,700	U.C.
17. Volga-22nd Congress	U.S.S.R.	2,543	2,560	1958
18. Volga-V.I. Lenin	U.S.S.R.	2,100	2,300	1955
19. W.A.C. Bennett 3/	Canada	1,816	2,270	1969
20. Iron Gate	Romania-Yugoslavia	500	2,160	U.C.
21. Saad-El-Aali (High Aswan)	Egypt	1,750	2,100	1967
22. Robert Moses-Niagara	U.S.A.	1,950	1,950	1961
23. St. Lawrence Power Dam	U.S.A.-Canada	1,824	1,824	1958
24. The Dalles	U.S.A.	1,291	1,807	1957
25. Mica	Canada	...	1,740	U.C.
26. Kemano	Canada	813	1,670	1954
27. Beauharnois	Canada	1,921	1,670	1950
28. Cheboksary	U.S.S.R.	...	1,632	U.C.
29. Inguri	U.S.S.R.	...	1,600	U.C.
30. Kariba	Rhodesia	600	1,500	1959
31. Liukiahsia	China	...	1,500	1963
32. Tumut-3	Australia	750	1,500	1972
33.				
34. McNary	U.S.A.	980	1,406	1953
35. Jupia	Brazil	600	1,400	1966
36. Marimbondo	Brazil	...	1,400	U.C.
37. Saratov	U.S.S.R.	...	1,359	1967
38. Daniel Johnson 4/	Canada	165	1,353	1970
39. Hoover	U.S.A.	1,345	1,345	1936
40. Wanapum	U.S.A.	831	1,330	1964
41. Zeya	U.S.S.R.	...	1,290	U.C.
42. Priest Rapids	U.S.A.	789	1,262	1959
43. Castaic	U.S.A.	...	1,250	U.C.
44. Keban	Turky	620	1,240	U.C.
45. Kettle Rapids	Canada	612	1,224	1970
46. Sir Adam Beck (#2)	Canada	1,224	1,224	1954
47. Rocky Beach	U.S.A.	775	1,215	1961
48. Furnas	Brazil	900	1,200	1963
49. Toktogul	U.S.S.R.	...	1,200	U.C.
50. El Chocon	Argentina	...	1,200	U.C.
51. Manicouagan No. 3	Canada	...	1,176	U.C.

52. Sanmen Hsia	China	...	1,100	
53. Nizhne-Kamskaya	U.S.S.R.	...	1,090	U.C.
54. Dworshak	U.S.A.	90	1,060	U.C.
55. Bersimis No. 1	Canada	912	1,050	1956
56. Bhakra	India	450	1,050	1963
57. Estreito	Brazil	1,050	1,050	1969
58. Salto Osorio	Brazil	...	1,050	U.C.
59. Lago Delio	Italy	...	1,016	U.C.
60. Manicouagan No. 2	Canada	...	1,015	1965
61. Votkinsk	U.S.S.R.	...	1,000	1961
62. Mangla	Pakistan	300	1,000	U.C.
63. Chirkey	U.S.S.R.	...	1,000	U.C.
64. Kaniji	Nigeria	...	1,000	U.C.
65. Northfield Mountain 5/	U.S.A.	...	1,000	U.C.
66. Chivor	Colombia	...	1,000	U.C.
67. Blenheim-Gilboa	U.S.A.	...	1,000	U.C.

1/ 將來 3,600MW 包含될 것이고 可逆式 펌平揚水 300MW 包含됨      2/ 將來 1,573MW 包含됨  
 3/ Formerly Portage Mountain      4/ Formerly Manicouagan No. 5      5/ 貯水容量  
 6/ Includes future 4,500MW expansion 將來 4,500MW 擴張包含

1969—71年間 國際大畧會議參加國에 依하여 完工된 畧統計

國 名	總 畧 數	콘크리트	土	石	畧 高 度			總 容 積				總貯水容量			
					200ft 以 下(61m)			200~400ft 以 上(122m)		콘크리트		土 石		百萬m³	arce-ft
					200ft 以 下(61m)	200~400ft 以 上(122m)	400ft 以 上(122m)	千m³	千y³	千m³	千y³				
U.S.A.	369	4	365	354	12	3	2,780	3,640	287,000	375,000	30,500	24,700			
Japan	92	46	46	76	14	2	7,730	10,100	10,100	13,200	1,000	820			
India	71	3	68	70	1	—	1,300	1,700	19,400	25,400	2,038	1,650			
Spain	56	41	15	42	11	3	9,070	11,800	11,500	15,100	9,079	7,300			
South Africa	51	16	35	50	1	—	1,910	2,510	10,000	13,100	2,126	1,720			
Canada	49	5	44	48	—	1	3,610	4,730	35,000	45,900	39,340	31,900			
Mexico	47	16	31	47	—	—	446	583	9,270	12,100	4,807	3,890			
Australia	29	5	24	24	4	1	178	233	30,800	40,300	6,670	5,400			
Norway	27	3	24	23	4	—	28	37	8,150	10,700	355	287			
Brazil	26	6	20	22	4	—	1,820	2,380	45,400	59,400	20,800	16,900			
France	24	5	19	22	2	—	155	203	14,500	19,000	429	341			
Italy	15	4	11	12	3	—	813	1,070	9,570	12,500	581	471			
Rhodesia	13	—	13	13	—	—	—	—	1,930	2,500	78	63			
Great Britain	12	2	10	11	1	—	421	557	14,800	19,400	152	123			
Romania	12	2	10	12	—	—	1,110	1,460	2,780	3,000	118	95			
計(1st 15)	893	158	735	826	57	10	31,371	41,033	510,200	666,600	118,073	95,660			
其他 計(52)	150	33	117	127	20	3	9,692	12,677	233,650	305,700	214,637	174,000			
總計(67)	1,043	191	852	953	77	13	41,063	53,710	743,850	972,300	332,710	269,660			

Note: Totals in meters and feet may not agree due to rounding of figures.