

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

BOULDER CANYON PROJECT
FINAL REPORTS

PART I—INTRODUCTORY

Bulletin 2

HOOVER DAM
POWER AND WATER CONTRACTS



UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, Secretary

BUREAU OF RECLAMATION
MICHAEL W. STRAUS, Commissioner
LESLIE N. McCLELLAN, Chief Engineer

BOULDER CANYON PROJECT
FINAL REPORTS

PART I—INTRODUCTORY

Bulletin 2

HOOVER DAM
POWER AND WATER CONTRACTS
AND RELATED DATA

WASHINGTON, D. C.

1950

CONTENTS

	<i>Page</i>
Foreword	III

SUBDIVISION I—ACTS OF CONGRESS

ITEM

1. Congress consents to agreement between States respecting waters of Colorado River	3
(Act August 19, 1921, ch. 72, 42 Stat. 171.)	
2. Colorado River compact	5
(Signed at Santa Fe, N. Mex., November 24, 1922.)	
3. Board to examine site for dam proposed under Boulder Dam Bill	11
(Pub. Res. 65, S. J. Res. 164, May 29, 1928, ch. 918, 45 Stat. 1011.)	
4. Boulder Canyon Project Act	13
(Act December 21, 1928, ch. 42, 45 Stat. 1057.)	
5. President's Proclamation	27
(Signed at Washington, June 25, 1929, 46 Stat. 3000.)	
6. Metropolitan Water District of Southern California right-of-way for aqueduct	29
(Act of June 18, 1932, 47 Stat. 324.)	
7. Boulder Canyon Project Adjustment Act	33
(Act of July 19, 1940, 54 Stat. 774.)	
8. Ratification of action relating to construction and disposition of the San Jacinto-San Vicente aqueduct	41
9. Citations to statutes authorizing and ratifying the Colorado River compact	43
10. Appropriation acts	45

SUBDIVISION II—WATER CONTRACTS

A. CONTRACTS

11. Contract for delivery of water—United States and the Metropolitan Water District of Southern California	49
Dated April 24, 1930.	
12. Supplementary contract for delivery of water—United States and the Metropolitan Water District of Southern California	59
Dated September 28, 1931.	
13. Contract for construction of diversion dam, main canal and appurtenant structures and for delivery of water—United States and Imperial irrigation district	65
Dated December 1, 1932.	
14. Contract for delivery of water—United States and Palo Verde irrigation district	101
Dated February 7, 1933.	
15. Contract for delivery of water—United States and the city of San Diego	111
Dated February 15, 1933.	
16. Agreement of compromise between Imperial irrigation district and Coachella Valley county water district	123
Dated February 14, 1934.	
17. Contract for construction of capacity in diversion dam, main canal and appurtenant structures—United States and the city of San Diego	143
Dated October 2, 1934.	

ITEM	Page
18. Contract for construction of capacity in diversion dam, main canal and appurtenant structures for delivery of water—United States and Coachella Valley county water district Dated October 15, 1934.	159
19. Contract for delivery of water—United States and the State of Nevada Dated March 30, 1942.	191
20. Supplemental contract for delivery of water—United States and State of Nevada Dated January 3, 1944.	201
21. Contract for delivery of water—United States and State of Arizona Dated February 9, 1944.	205
22. Contract for construction and lease of aqueduct—United States and the city of San Diego Dated October 17, 1945; supplemented September 23, 1946; October 29, 1946; December 11, 1947.	213
23. Memorandum of understanding transferring administration of the San Jacinto-San Vicente aqueduct and of the contract of October 17, 1945 from the Navy Department to the Department of the Interior, acting through the Bureau of Reclamation Dated April 22, 1946.	231
24. Contract merging rights of the city of San Diego and the Metropolitan Water District of Southern California—United States, the city of San Diego, the San Diego County Water Authority and the Metropolitan Water District of Southern California Dated October 4, 1946.	233
25. Contract for construction of distribution system, protective works, and drainage works—United States and Coachella Valley county water district Dated December 22, 1947.	247
B. REGULATIONS	
26. Contracts for the storage of water in Boulder Canyon (Hoover Dam) and the delivery thereof Issued April 23, 1930; Amended September 28, 1931.	269
27. Contracts for the storage of water in Boulder Canyon (Hoover Dam) and the delivery thereof in Arizona Issued February 7, 1933.	273
C. MISCELLANEOUS	
28. Preliminary agreement for the division of Colorado River water available to California Dated February 21, 1930.	281
29. Agreement requesting apportionment of California's share of the waters of the Colorado River among the applicants in the State Dated August 18, 1931.	283

SUBDIVISION III—POWER CONTRACTS

A. CONTRACTS

ITEM	Page
30. Contract for lease of power privilege—United States and, severally, the city of Los Angeles and South California Edison Co., Ltd. Dated April 26, 1930.	291
31. Contract for electrical energy—United States and the Metropolitan Water District of Southern California Dated April 26, 1930.	323
32. Supplemental contract for lease of power privilege—United States and, severally, the city of Los Angeles and Southern California Edison Co., Ltd. Dated May 28, 1930.	345
33. Supplementary contract for electrical energy—United States and the Metropolitan Water District of Southern California Dated May 31, 1930.	351
34. Supplemental contract for lease of power privilege—United States and, severally, the city of Los Angeles and Southern California Edison Co., Ltd. Dated September 23, 1931.	357
35. Contract for generation and transmission of power—city of Los Angeles, Department of Water and Power of the city of Los Angeles and the city of Burbank Dated September 24, 1931.	363
36. Contract for generation and transmission of power—city of Los Angeles, Department of Water and Power of the city of Los Angeles and the city of Glendale Dated September 24, 1931.	377
37. Contract for generation and transmission of power—city of Los Angeles, Department of Water and Power of the city of Los Angeles and the city of Pasadena Dated September 24, 1931.	391
38. Contract for electrical energy—United States and the city of Pasadena Dated September 29, 1931.	405
39. Contract for electrical energy—United States and the Southern Sierras Power Co. Dated November 5, 1931.	423
40. Contract for electrical energy—United States and the city of Burbank Dated November 10, 1931.	443
41. Contract for electrical energy—United States and the city of Glendale Dated November 12, 1931.	461
42. Contract for electrical energy—United States and Los Angeles Gas & Electric Corp. Dated November 12, 1931.	479
43. Permit and License to use machinery and power plant facilities—United States and the city of Los Angeles Dated October 22, 1934.	497
44. Agreement on period for absorption of electrical energy contracted for by municipalities—United States and, severally, the city of Los Angeles and its Department of Water and Power Dated October 22, 1934.	507

ITEM	Page
45. Supplemental contract for electrical energy—United States and the city of Pasadena	513
Dated October 30, 1934.	
46. Supplemental contract for electrical energy—United States and the city of Burbank	525
Dated October 30, 1934.	
47. Supplemental contract for electrical energy—United States and the city of Glendale	537
Dated November 1, 1934.	
48. Supplemental contract for generation and transmission of power—city of Los Angeles, Department of Water and Power of the city of Los Angeles and the city of Pasadena	549
Dated June 18, 1935.	
49. Contract for electrical energy—United States and State of Nevada	565
Dated May 6, 1936.	
50. Contract for electrical energy—United States and State of Nevada	581
Dated August 10, 1936.	
51. Supplemental contract for generation and transmission of power—city of Los Angeles, Department of Water and Power of the city of Los Angeles and the city of Burbank	591
Dated September 15, 1936.	
52. Supplemental contract for generation and transmission of power—city of Los Angeles, Department of Water and Power of the city of Los Angeles and the city of Glendale	601
Dated September 17, 1936.	
53. Assignment and agreement—the Southern Sierras Power Co., assignor, and the Nevada-California Electric Corp., assignee	611
Dated November 30, 1936.	
54. Assignment of contracts covering sale and purchase of electrical energy—Los Angeles Gas & Electric Corp., assignor, the city of Los Angeles, assignee	615
Dated January 26, 1937.	
55. Supplemental contract for lease of power privileges—United States and the Nevada-California Electric Corp.	619
Dated July 22, 1937.	
56. Contract for resale of electrical energy to be developed at Boulder Dam power plant—United States and Needles Gas & Electric Co.	639
Dated December 28, 1937.	
57. Contract for resale of electric energy to be developed at Boulder Dam power plant—United States and Citizens Utilities Co.	657
Dated January 7, 1938.	
58. Supplemental contract Nevada No. 1 for electrical energy—United States and State of Nevada	675
Dated April 23, 1938.	
59. Contract to construct third circuit and take additional Boulder Dam energy under existing options—United States and the city of Los Angeles, Department of Water and Power	681
Dated July 6, 1938.	
60. Agreement with Metropolitan Water District deferring payments for Boulder Dam energy—United States and the Metropolitan Water District of Southern California	689
Dated July 13, 1938.	

CONTENTS

IX

ITEM	Page
61. Contract accelerating initial date for sale of Boulder Dam electrical energy by United States to Citizens Utilities Co. under agreement of January 7, 1938	695
Dated September 28, 1938.	
62. Contract for resale of electric energy to be developed at Boulder Dam power plant—United States and Southern California Edison Co., Ltd.	703
Dated October 14, 1938.	
63. Supplemental contract Nevada No. 2 for electric energy—United States and State of Nevada	717
Dated December 7, 1939.	
64. Contract for resale of electrical energy to be developed at Boulder Dam power plant—United States and Salt River Valley Water Users' Association	723
Dated December 23, 1939.	
65. Contract for use of unused capacity of transformers at Boulder City portal substation, and other equipment situate in the vicinity of Boulder power plant—United States and Southern Nevada Power Co.	737
Dated December 24, 1939.	
66. Contract amendatory of supplemental contract of June 18, 1935—city of Los Angeles, Department of Water and Power and the city of Pasadena	743
Dated January 30, 1940.	
67. Agreement on proportionate allowance for amortization of cost of machinery and equipment—Southern California Edison Co., Ltd., and the Nevada-California Electric Corp.	747
Dated June 7, 1940.	
68. Memorandum of interbureau understanding covering the resale of electrical energy to be developed at Boulder Dam power plant—Bureau of Reclamation and Office of Indian Affairs	753
Dated September 14, 1940.	
69. Supplemental contract Nevada No. 3 for electrical energy—United States and State of Nevada	763
Dated December 19, 1940.	
70. Agreement upon the termination of lease and the taking effect of the adjustment act—the city of Los Angeles, Department of Water and Power, and the city of Pasadena	769
Dated May 27, 1941.	
71. Agreement upon the termination of lease and the taking effect of the adjustment act—the city of Los Angeles, Department of Water and Power, and the city of Glendale	775
Dated May 27, 1941.	
72. Agreement upon the termination of lease and the taking effect of the adjustment act—the city of Los Angeles, Department of Water and Power, and the city of Burbank	781
Dated May 27, 1941.	
73. Contract for the operation of Boulder power plant—United States and, severally, the city of Los Angeles and its department of water and power, and Southern California Edison Co., Ltd.	787
Dated May 29, 1941.	
74. Exhibit "A" to agency contract—Specifications of properties of the United States to be operated, maintained and replaced by the city of Los Angeles	815

ITEM	Page
75. Exhibit "B" to agency contract—Specifications of properties of the United States to be operated, maintained, and replaced by the Southern California Edison Co., Ltd.	825
76. Contract for the sale of electrical energy—United States and the city of Los Angeles, Department of Water and Power Dated May 29, 1941.	833
77. Contract for the sale of electrical energy—United States and Southern California Edison Co., Ltd. Dated May 29, 1941.	847
78. Contract for the sale of electrical energy—United States and the Metropolitan Water District of Southern California Dated May 29, 1941.	859
79. Contract for the sale of electrical energy—United States and city of Pasadena. Dated May 29, 1941.	873
80. Contract for the sale of electric energy—United States and State of Nevada. Dated May 29, 1941.	885
81. Contract for the sale of electrical energy—United States and city of Burbank. Dated May 29, 1941.	897
82. Contract for the sale of electrical energy—United States and city of Glendale. Dated May 29, 1941.	909
83. Contract for the sale of electrical energy—United States and the Nevada-California Electric Corp. Dated May 29, 1941.	921
84. Agreement arranging power supply for Defense Plant Corporation—Defense Plant Corporation and, severally, the United States, the city of Los Angeles, Department of Water and Power, Southern California Edison Co., Ltd., the California Electric Power Co., the Metropolitan Water District of Southern California, the State of Nevada and its Colorado River Commission Dated May 9, 1942.	933
85. Contract for the sale of electrical energy as available for magnesium plant—Defense Plant Corporation and United States Dated May 9, 1942.	951
86. Contract for resale of electrical energy to be developed at Boulder Dam power plant—United States and Defense Plant Corporation Dated May 9, 1942.	961
87. Contract for sale of electrical energy—State of Nevada and Defense Plant Corporation Dated May 9, 1942.	973
88. Contract for the resale of electrical energy to be developed at Boulder Dam power plant—United States and California-Pacific Utilities Co. Dated November 21, 1941.	985
89. Contract for resale of electrical energy to be developed at Boulder Dam power plant—United States and Citizens Utilities Co. Dated December 2, 1941.	1001
90. Contract for the resale of electrical energy to be developed at Boulder Dam power plant—United States, and, severally, Defense Plant Corporation, the city of Los Angeles and its department of water and power, Southern California Edison Co., Ltd., the Metropolitan Water District of Southern California Dated May 1, 1944.	1017

CONTENTS

XI

ITEM	Page
91. Contract for the resale of electrical energy to be developed at Boulder Dam power plant—United States and, severally, Defense Plant Corporation, the city of Los Angeles and its department of water and power, Southern California Edison Co., Ltd., the Metropolitan Water District of Southern California, California Electric Power Co.	1035
Dated October 1, 1944.	
92. Contract amending contract of May 29, 1941 (Symbol 11r-1336)—United States and the Metropolitan Water District of Southern California.....	1057
Dated November 1, 1944.	
93. Contract for resale of electric energy at Boulder Dam power plant—United States and, severally, Reconstruction Finance Corporation, the city of Los Angeles and its department of water and power, Southern California Edison Co., Ltd., California Electric Power Co., the Metropolitan Water District of Southern California	1061
Dated May 31, 1945.	
94. Contract providing for use of certain generating equipment at Boulder power plant, apportionment of charges therefor and other matters—the city of Los Angeles, Department of Water and Power, Southern California Edison Co., Ltd., California Electric Power Co., and the Metropolitan Water District of Southern California	1087
Dated May 31, 1945.	
95. Contract for the sale of electrical energy—United States and the Arizona Power Authority	1101
Dated November 23, 1945.	

B. REGULATIONS

96. General regulations for lease of power	1113
April 25, 1930; March 10, 1931; July 1, 1931; November 16, 1931.	
97. General regulations for generation and sale of power in accordance with the Boulder Canyon Project Adjustment Act	1127
Approved and promulgated May 20, 1941.	

C. MISCELLANEOUS

98. Applications for power, Boulder Canyon project	1150
99. Memorandum for the press—Allocation of Boulder Dam power.....	1151
October 21, 1929.	
100. Memorandum of allocation—Agreement among the Metropolitan Water District of Southern California, the Board of Water and Power Commissioners of the city of Los Angeles, and the Southern California Edison Co.	1155
March 20, 1930.	
101. Agreement among municipalities of April 7, 1930	1157

SUBDIVISION IV—MISCELLANEOUS CONTRACTS

102. Contract for joint use of double-circuit, 33,000-volt, transmission line in vicinity of Boulder Dam—United States and Southern Nevada Power Co.	1161
Dated December 15, 1936.	

ITEM	Page
103. Memorandum agreement covering the furnishing of electric power for use in connection with the Boulder Dam national recreation area development in Hemenway, Wash.—United States National Park Service and United States Bureau of Reclamation	1165
Dated September 14, 1939; approved September 19, 1939.	
104. Memorandum agreement covering the furnishing of electrical energy and water for use in connection with Camp Sibert at Boulder City, Nev.—Department of the Interior and War Department	1169
Dated January 7, 1941.	
105. Memorandum agreement providing for the construction of an electrical distribution system at Camp Sibert, Boulder City, Nev.—Department of the Interior and the War Department	1173
Dated April 14, 1941.	
106. Memorandum agreement covering the supply of electrical equipment for the magnesium plant near Las Vegas, Nev.—the Bureau of Reclamation and Defense Plant Corporation	1175
Dated June 8, 1943.	
107. Memorandum agreement covering the furnishing of untreated water for use in connection with the Boulder Dam national recreational area development in Hemenway, Wash.—United States National Park Service and United States Bureau of Reclamation	1177
Dated September 1, 1944; approved September 4, 1944.	

SUBDIVISION V—CONSTRUCTION CONTRACTS

108. Principal construction and material contracts—Boulder Canyon project	1184
109. All-American Canal System—construction	1196
110. Imperial Dam—construction	1200
111. Coachella Canal—construction	1204

SUBDIVISION VI—OPINIONS

112. Opinion of the Attorney General—December 26, 1929	1209
113. Opinion of the Solicitor of the Department of the Interior—January 6, 1930.	1227
114. Opinion of the Attorney General—June 9, 1930	1245
115. Opinion of the Comptroller General—October 10, 1930	1255
116. Opinion of the United States Supreme Court in the case of <i>Arizona v. California et al.</i> (283 U. S. 423, 51 S. Ct. 522, 75 L. Ed. 1154)—May 18, 1931	1265

SUBDIVISION VII—WATER TREATY

117. Treaty [with Protocol] between the United States and Mexico, relating to waters of the Colorado and Tijuana Rivers and of the Rio Grande—February 3, 1944	1279
118. Memorandum of understanding as to functions and jurisdiction of agencies of the United States in relation to the Colorado and Tijuana Rivers and the Rio Grande below Fort Quitman, Tex., under water treaty signed at Washington, February 3, 1944	1307