United States Department of the Interior

BUREAU OF RECLAMATION
Upper Colorado Region
Power Office
125 South State Street, Room 6107
Salt Lake City, UT 84138-1102

IN REPLY REFER TO:
UC-620
PRJ-17.00

APR 25 2011

CRSP Management Center

APR 27 2011

Salt Lake City, Utah

Ms. LaVerne Kyriss
CRSP Manager
Western Area Power Administration
150 E. Social Hall Avenue, Suite 300
Salt Lake City UT 84111

Subject: Estimates of Project Use Power Requirements

Dear Ms. Kyriss:

Enclosed are tables showing our latest estimates of project use power requirements for the Colorado River Storage Project and Participating Projects. They have been updated starting with year 2011. If you have any questions, please contact Mr. Blaine Anderson at 801-524-3626.

Sincerely,

Jane C. Blair

Jane C. Blair
Area Manager, Power Office

Enclosures - 3

cc: Mr. Rodney Bailey
Ms. Tamala Gheller
Mr. Thomas Hackett
Western Area Power Administration
150 E. Social Hall Avenue, Suite 300
Salt Lake City UT 84111
(w/encl.)

COLORADO RIVER STORAGE PROJECT
Participating Projects
Estimated Project Power Requirements (1)
Table 1

Summer Peak Demands (MW)

Year	Silt	(5) Navajo	Paradox	CUP Jensen	(4) CUP Bonneville	(3) Dolores	Dutch John	(2) Animas-LaPlata	Unassigned	Total (MW)
2011	0.75	52	0.70	0.93	3.24	15.18 [11]	0.2328	15.70	86.27	175
2012	0.75	52	0.70	0.93	3.24	15.18 [11]	0.2328	2.00 (2)	99.97	175
2013	0.75	52	0.70	0.93	3.24	15.18 [11]	0.2328	2.00 (2)	99.97	175
2014	0.75	52	0.70	0.93	3.24	15.18 [11]	0.2328	2.00 (2)	99.97	175
2015	0.75	57	0.70	0.93	7.99	15.18 [11]	0.2328	2.00 (2)	90.22	175
2016	0.75	57	0.70	0.93	7.99	15.18 [11]	0.2328	2.00 (2)	90.22	175
2017	0.75	57	0.70	0.93	7.99	15.18 [11]	0.2328	3.40 (2)	88.82	175
2018	0.75	57	0.70	0.93	7.99	15.18 [11]	0.2328	3.40 (2)	88.82	175
2019	0.75	57	0.70	0.93	7.99	15.18 [11]	0.2328	3.40 (2)	88.82	175
2020	0.75	61	0.70	0.93	12.74	15.18 [11]	0.2328	4.90 (2)	78.57	175
2021	0.75	61	0.70	0.93	12.74	15.18 [11]	0.2328	4.90 (2)	78.57	175
2022	0.75	61	0.70	0.93	12.74	15.18 [11]	0.2328	6.40 (2)	77.07	175
2023	0.75	61	0.70	0.93	12.74	15.18 [11]	0.2328	6.40 (2)	77.07	175
2024	0.75	61	0.70	0.93	12.74	15.18 [11]	0.2328	6.40 (2)	77.07	175
2025	0.75	61	0.70	0.93	12.74	15.18 [11]	0.2328	6.40 (2)	77.07	175

Summer Energy Use (GWH)

Year	Silt	Navajo	Paradox	CUP Jensen	(4) CUP Bonneville	Dolores	Dutch John	(2) Animas-LaPlata	Total (GWH)
2011	1.5	79	2.2	1.26	13.6	14.38	0.5	33.00	145.44
2012	1.5	79	2.2	1.26	13.6	14.38	0.5	2.60 (2)	115.04
2013	1.5	79	2.2	1.26	13.6	14.38	0.5	3.20 (2)	115.64
2014	1.5	79	2.2	1.26	13.6	14.38	0.5	3.40 (2)	115.84
2015	1.5	79	2.2	1.26	16.1	14.38	0.5	3.60 (2)	118.54
2016	1.5	79	2.2	1.26	16.1	14.38	0.5	4.00 (2)	118.94
2017	1.5	79	2.2	1.26	16.1	14.38	0.5	4.20 (2)	119.14
2018	1.5	79	2.2	1.26	16.1	14.38	0.5	5.00 (2)	119.94
2019	1.5	79	2.2	1.26	16.1	14.38	0.5	6.10 (2)	121.04
2020	1.5	85	2.2	1.26	18.7	14.38	0.5	7.20 (2)	130.74
2021	1.5	85	2.2	1.26	18.7	14.38	0.5	8.30 (2)	131.84
2022	1.5	85	2.2	1.26	18.7	14.38	0.5	9.40 (2)	132.94
2023	1.5	85	2.2	1.26	18.7	14.38	0.5	10.50 (2)	134.04
2024	1.5	85	2.2	1.26	18.7	14.38	0.5	11.70 (2)	135.24
2025	1.5	85	2.2	1.26	18.7	14.38	0.5	11.70 (2)	135.24

(1) Estimates do not include losses.

(2) Power requirements, after the initial reservoir filling, will be updated as project proponents refine their water development. Current projections assume full non-Ute Indian development by 2030. Full prject development (Indian + Non-Indian) would require a Summer Peak demand of 16.0 MW and a Summer use of 42.1 GWH. The initail reservoir filling started in April 2009.

(3) The capacity for the Dolores Project includes 1.5 MW for the Ute Mt Utes. Energy is not included in the tables.

(4) The major projects for CRSP power are in the early planning stages.

(5) Includes 12 MW transferred from NIIP to Western for NTUA.

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Colorado River Storage
Participating Projects
Estimated Project Power Requirements (1)
Table 3

Pumping Plant Schedule (3)

CUP - Bonneville Unit (4)

Plant/Project Name	In Service	Capacity MW
Deer Creek/Jordanelle exch.	June 1995	1.80
Wasatch County	April 2001	3.00
Starvation Collection System	1970s	0.24
Envir. Commit. (SL Aqueduct)	Use Varies	0.67
Conjunctive Use (50%)	2015	3.50
Conjunctive Use (50%)	2020	3.50
CUPCA Water Cons. Programs (50%)	2015	1.25
CUPCA Water Cons. Programs (50%)	2020	1.25
	Total	15.21

Animas-LaPlata Project

Plant Name	In Service	Capacity MW
Durango		
to Ridges Basin	April 2009	16.00
for Durango M&I	May 2012	0.75
	Total	16.75

Dolores Project

Plant Name	In Service	Capacity MW
Great Cut	1986	5.80
Fairview	1987	2.60
Cahone	1987	1.73
Delivery 23	1991	0.09
Pleasant View	1991	1.09
Ruin Canyon	1990	1.50
Dove Creek	1991	0.87
Ute Mt Ute		1.50
	Total	15.18

Table 3 continued

Navajo Indian Irrigation Project

Plant Name	In Service	(5) Max. Capacity MW
Blocks 4, 5, 6, 7 and Kutz Pumping Plant	In service	34.69
Block 8 (Schedule 1 & 2)	Aug. 2001	0.65
Gallegos Pumping Pl. (7%)	Aug. 2001	2.07
Block 8, Schedule 3 & 4	Apr. 2001	3.21
Gallegos Pumping Plant (21%)	Apr. 2001	6.20
Block 1 (part. Gas to elect.)	Apr. 2002	0.90
Block 9, Stage 1	Apr. 2010	2.50
Gallegos Pumping Plant (7%)	Apr. 2010	2.07
Block 9, Stage 2	Aug. 2020	1.50
~~Gallegos Pumping Plant (9%)~~	~~Aug. 2015~~	~~2.75~~
Block 9, Stage 3	Aug. 2024	1.45
Gallegos Pumping Plant (18%)	Aug. 2024	5.31
Moncisco Pumping Pl. (60%)	Aug. 2029	4.74
Block 10	Aug. 2029	1.74
Gallegos Pumping Plant (28%)	Aug. 2029	8.27
Block 11	Aug. 2034	1.87
Gallegos Pumping Plant (19%)	Aug. 2034	5.61
Moncisco Pumping Pl. (40%)	Aug. 2034	3.16
	Total	85.94
	(Round to)	86

(1) The estimates do not include losses.

(2) Deleted (not used)

(3) In service dates are subject to change due to funding.

(4) The major projects for CRSP power are in the early planning stages. See Central Utah Project Completion Program, Supplement to 1988 Definite Plan, Power Appendix, Chapter 5, reference 1.B.02.029.B0.133, Bonneville Unit

(5) Total maximum capacity reserved for NIIP is 87 MW which includes 12 MW currently utilized by NTUA pursuant to contract 87-SLC-0014 as amended.

6) Authorization for the Navajo-Gallup Water Supply Project (Project) was included in the (Omnibus Public Land Management Act (Act) of 2009, Title X, Part III (Public Law 111-11, March 30, 2009). The Act provides in Section 10602 (e), that: "The Secretary shall reserve, from existing reservations of Colorado River Storage Project power for Bureau of Reclamation projects, up to 26 megawatts of power for use by the Project".