



Department of Energy

Bonneville Power Administration
P.O. Box 3621
Portland, Oregon 97208-3621

FREEDOM OF INFORMATION ACT/PRIVACY PROGRAM

February 4, 2021

In reply refer to: FOIA #BPA-2020-00860-F

Andrew Missel
Advocates for the West
3701 SE Milwaukie Ave., Ste. B
Portland OR 97202
Email: amissel@advocateswest.org

Dear Mr. Missel,

This communication is an amended response to your request for Bonneville Power Administration (BPA) records made under the Freedom of Information Act, 5 U.S.C. § 552 (FOIA). BPA received your records request on June 10, 2020, and formally acknowledged your request on July 9, 2020. A first partial response was transmitted to you on July 9, 2020. A final response was transmitted to you on December 21, 2020.

Original Request

1. "Any records underlying BPA's calculation of the levelized cost of generation for the 'Willamette Basin' dams as reported on page 3 of the August 2019 'Fact Sheet' entitled 'Power from the Willamette Basin dams.'
2. Any records underlying BPA's calculation of the levelized cost of generation for the 'Headwater/Lower Snake' dams as reported on page 3 of the August 2019 'Fact Sheet' entitled 'Power from the Willamette Basin dams.'
3. Any records underlying BPA's calculation of the levelized cost of generation for the 'Mainstem Columbia' dams as reported on page 3 of the August 2019 'FactSheet' entitled 'Power from the Willamette Basin dams.'"

Final Response to Original Request

BPA searched for and collected responsive records and information from its Generating Assets office. BPA released 13 pages of responsive data and information, with redactions applied only to non-responsive information on those 13 pages. Knowledgeable agency personnel indicated that the Columbia River Fish Mitigation (CRFM) data withheld is U.S. Army Corps of Engineers' (USACE) data, ***not*** included in the calculation presented in BPA's August 2019 Fact Sheet (captioned, Power from the Willamette Basin dams). That CRFM information was therefore not released.

Follow-Up Request

You emailed the agency on December 21, 2020, with a follow-up request. Specifically, as a follow-up to your original FOIA request, you indicated that you would like the USACE's CRFM data.

Amended Final Response

As mentioned in the BPA-2020-00860-F December 21, 2020, response letter to you, the CRFM data previously withheld is USACE data. That CRFM data was determined "non-responsive" in that it was not part of BPA's calculation presented in BPA's August 2019 Fact Sheet—which your original request was focused on. BPA recently consulted with USACE and they have declined to object to the public release of the CRFM information. Therefore, BPA is herein releasing 13 pages of data and information, with no redactions applied.

Fee

There are no fees applicable to the agency's response to your FOIA request.

Certification

Pursuant to 10 C.F.R. § 1004.7(b)(2), I am the individual responsible for the records search and amended release described above. Your FOIA request is now closed with all available responsive agency records and information provided.

Appeal

The adequacy of the search may be appealed within 90 calendar days from your receipt of this letter pursuant to 10 C.F.R. § 1004.8. Appeals should be addressed to:

Director, Office of Hearings and Appeals
HG-1, L'Enfant Plaza
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20585-1615

The written appeal, including the envelope, must clearly indicate that a FOIA appeal is being made. You may also submit your appeal by e-mail to OHA.filings@hq.doe.gov, including the phrase "Freedom of Information Appeal" in the subject line. (The Office of Hearings and Appeals prefers to receive appeals by email.) The appeal must contain all the elements required by 10 C.F.R. § 1004.8, including a copy of the determination letter. Thereafter, judicial review will be available to you in the Federal District Court either (1) in the district where you reside, (2) where you have your principal place of business, (3) where DOE's records are situated, or (4) in the District of Columbia.

You may contact BPA's FOIA Public Liaison, Jason Taylor, at 503-230-3537, jetaylor@bpa.gov, or the address on this letter header for any further assistance and to discuss

any aspect of your request. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows:

Office of Government Information Services
National Archives and Records Administration
8601 Adelphi Road-OGIS
College Park, Maryland 20740-6001
E-mail: ogis@nara.gov
Phone: 202-741-5770
Toll-free: 1-877-684-6448
Fax: 202-741-5769

Questions about this communication may be directed to James King, CorSource Technology Group LLC, at jjking@bpa.gov or 503-230-7621.

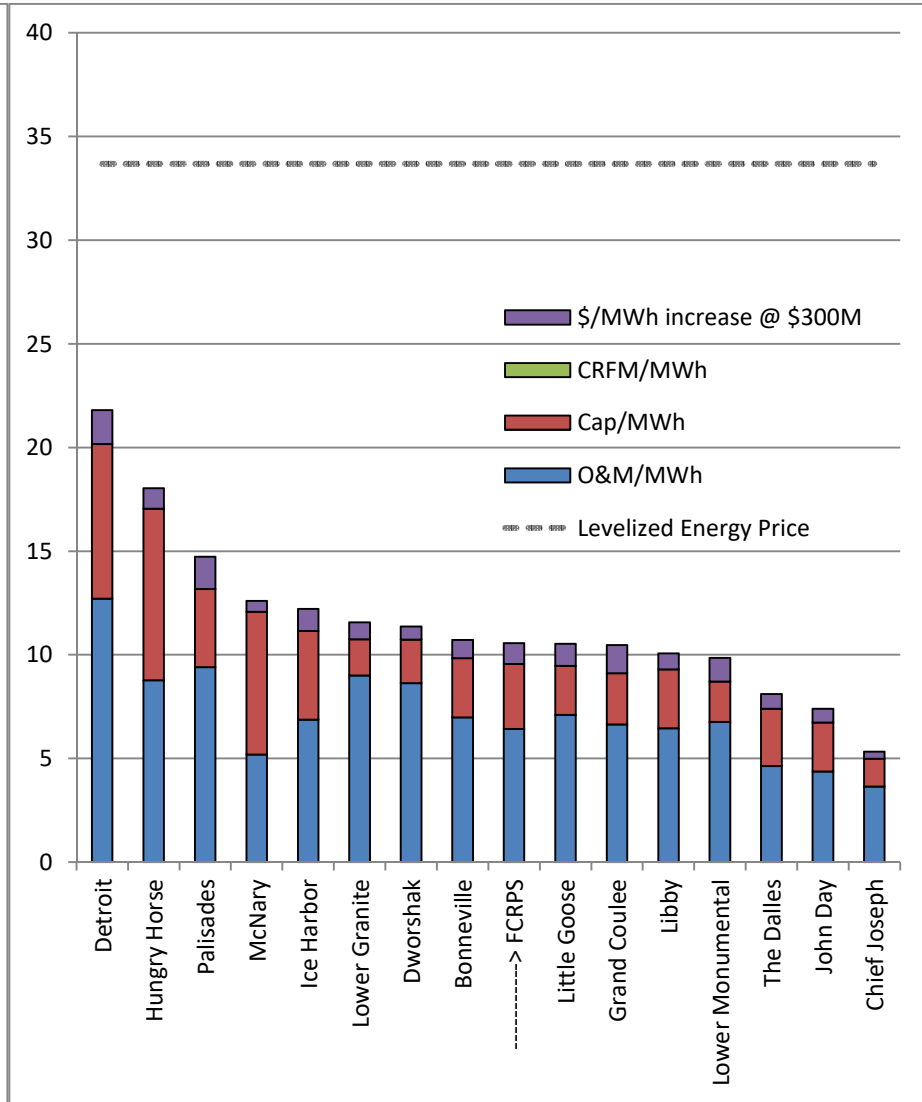
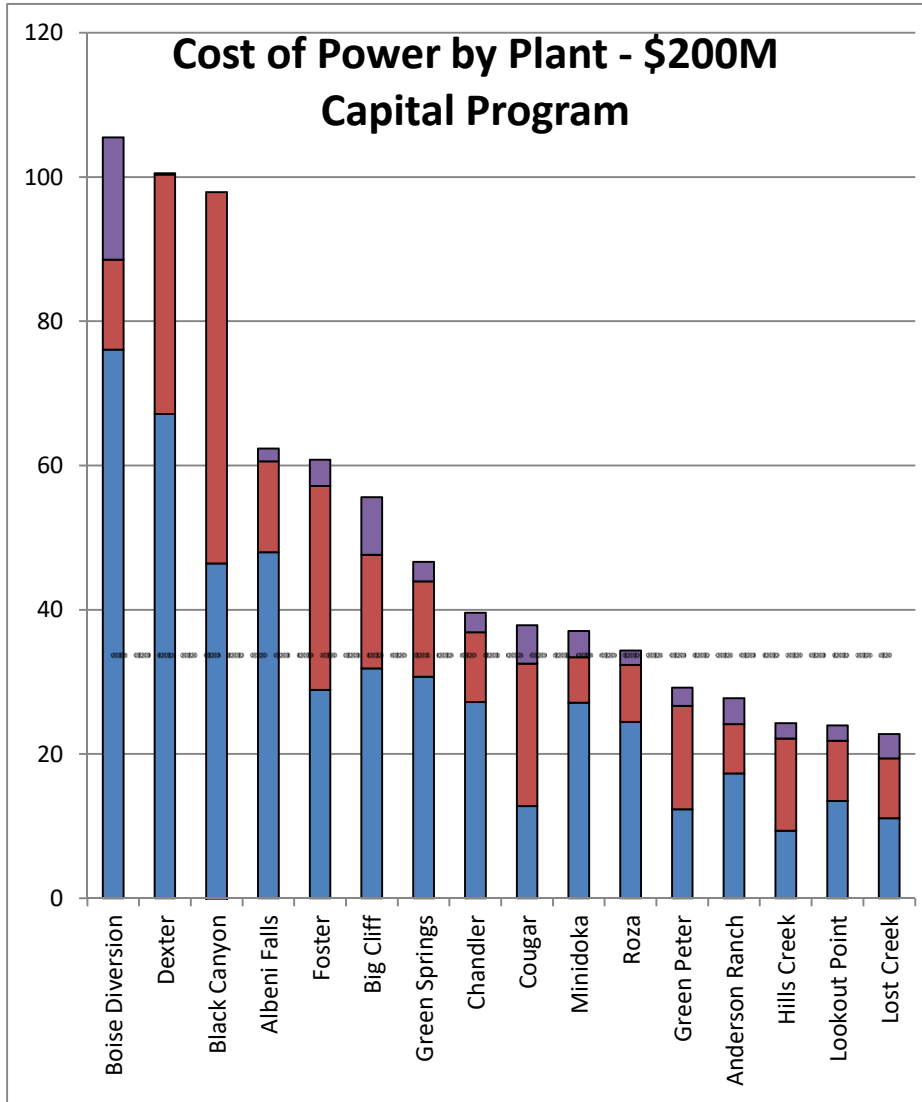
Sincerely,



Candice D. Palen
Freedom of Information/Privacy Act Officer

Responsive agency records accompany this communication.

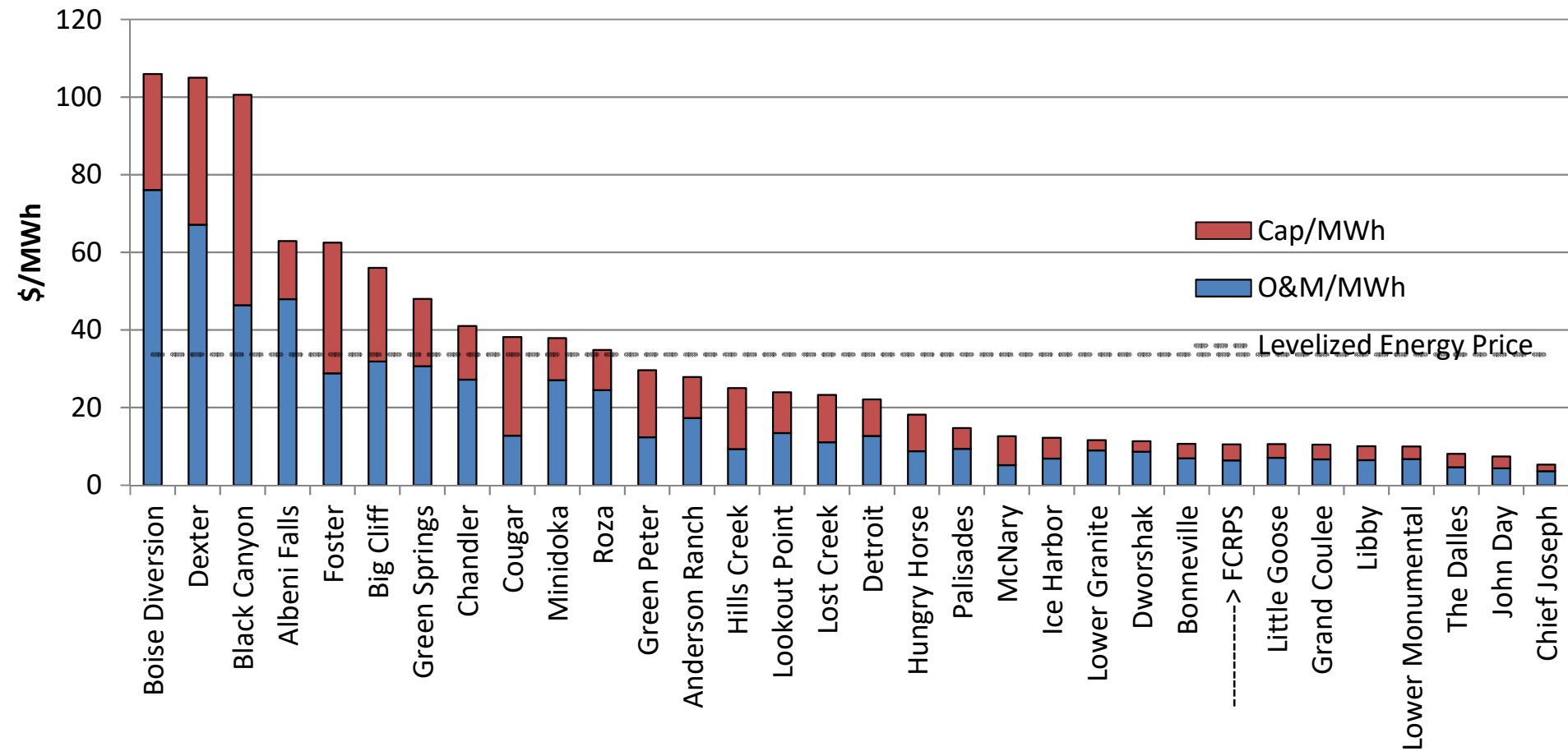
Asset Class	Plant	Cap200	OM200	Tot200	Cap300	OM300	Tot300	MWh200	MWh300	C/MWh200	OM/MWh200	C/MWh300	OM/MWh300	ΔC/MWh200	ΔC/MWh300	Delta	CRFM	CRFM/MW	Grand Total	Energy Price
Local Support	Boise Diversion	152	932	1,084	371	940	1,310	12,251	12,421	12.44	76.08	29.86	75.64	88.52	105.50	16.99		0.00	105.50	33.68
Area Support	Dexter	2,070	4,191	6,261	2,552	4,225	6,777	62,404	67,429	33.17	67.16	37.85	62.65	100.33	100.50	0.17		0.00	100.50	33.68
Local Support	Black Canyon	3,128	2,817	5,945	3,569	2,840	6,409	60,712	65,872	51.51	46.40	54.18	43.11	97.92	97.29	-0.63		0.00	97.29	33.68
Area Support	Albeni Falls	2,433	9,238	11,671	2,950	9,361	12,311	192,623	197,456	12.63	47.96	14.94	47.41	60.59	62.35	1.76		0.00	62.35	33.68
Area Support	Foster	2,479	2,530	5,010	3,162	2,556	5,717	87,643	94,060	28.29	28.87	33.62	27.17	57.16	60.79	3.63		0.00	60.79	33.68
Area Support	Big Cliff	1,466	2,961	4,427	2,307	3,006	5,313	92,938	95,528	15.78	31.86	24.15	31.47	47.64	55.62	7.98		0.00	55.62	33.68
Local Support	Green Springs	529	1,228	1,758	733	1,238	1,972	40,022	42,263	13.22	30.69	17.35	29.30	43.91	46.65	2.74		0.00	46.65	33.68
Local Support	Chandler	582	1,632	2,214	883	1,645	2,528	60,015	63,827	9.71	27.19	13.83	25.77	36.90	39.60	2.71		0.00	39.60	33.68
Area Support	Cougar	2,372	1,534	3,906	3,148	1,546	4,694	120,043	124,040	19.76	12.78	25.38	12.46	32.54	37.85	5.31		0.00	37.85	33.68
Local Support	Minidoka	962	4,117	5,080	1,717	4,151	5,867	151,930	158,360	6.33	27.10	10.84	26.21	33.43	37.05	3.62		0.00	37.05	33.68
Local Support	Roza	534	1,658	2,191	728	1,671	2,399	67,745	69,815	7.88	24.47	10.43	23.94	32.35	34.37	2.02		0.00	34.37	33.68
Area Support	Green Peter	3,097	2,667	5,764	3,900	2,689	6,589	216,176	225,558	14.33	12.34	17.29	11.92	26.66	29.21	2.55		0.00	29.21	33.68
Local Support	Anderson Ranch	896	2,273	3,169	1,415	2,292	3,707	131,222	133,754	6.83	17.32	10.58	17.13	24.15	27.71	3.56		0.00	27.71	33.68
Area Support	Hills Creek	1,686	1,233	2,919	2,268	1,243	3,511	131,876	144,759	12.79	9.35	15.67	8.59	22.14	24.26	2.12		0.00	24.26	33.68
Area Support	Lookout Point	2,201	3,546	5,747	2,785	3,574	6,360	263,130	265,626	8.36	13.48	10.49	13.46	21.84	23.94	2.10		0.00	23.94	33.68
Area Support	Lost Creek	2,024	2,718	4,742	3,163	2,740	5,903	244,679	259,599	8.27	11.11	12.18	10.56	19.38	22.74	3.36		0.00	22.74	33.68
Area Support	Detroit	2,434	4,145	6,580	3,186	4,181	7,367	326,257	338,020	7.46	12.71	9.43	12.37	20.17	21.79	1.63		0.00	21.79	33.68
Headwater/Lower Snake	Hungry Horse	7,133	7,566	14,699	8,339	7,627	15,966	862,442	885,542	8.27	8.77	9.42	8.61	17.04	18.03	0.99		0.00	18.03	33.68
Area Support	Palisades	2,021	5,023	7,043	2,867	5,063	7,930	534,424	538,291	3.78	9.40	5.33	9.41	13.18	14.73	1.55		0.00	14.73	33.68
Main Stem Columbia	McNary	33,200	25,096	58,296	36,425	25,465	61,890	4,827,881	4,913,268	6.88	5.20	7.41	5.18	12.07	12.60	0.52		0.00	12.60	33.68
Headwater/Lower Snake	Ice Harbor	7,346	11,812	19,158	9,427	12,007	21,434	1,718,857	1,755,466	4.27	6.87	5.37	6.84	11.15	12.21	1.06		0.00	12.21	33.68
Headwater/Lower Snake	Lower Granite	3,509	18,145	21,653	5,277	18,297	23,574	2,013,560	2,037,340	1.74	9.01	2.59	8.98	10.75	11.57	0.82		0.00	11.57	33.68
Headwater/Lower Snake	Dworshak	3,470	14,374	17,845	4,595	14,562	19,157	1,663,644	1,686,441	2.09	8.64	2.72	8.63	10.73	11.36	0.63		0.00	11.36	33.68
Main Stem Columbia	Bonneville	11,864	29,034	40,898	15,364	29,332	44,696	4,159,441	4,171,587	2.85	6.98	3.68	7.03	9.83	10.71	0.88		0.00	10.71	33.68
	-----> FCRPS	202,563	415,223	617,787	269,945	419,521	689,466	64,608,159	65,305,907	3.14	6.43	4.13	6.42	9.56	10.56	1.00		0.00	10.56	33.68
Headwater/Lower Snake	Little Goose	4,819	14,532	19,351	7,190	14,656	21,846	2,044,173	2,074,254	2.36	7.11	3.47	7.07	9.47	10.53	1.07		0.00	10.53	33.68
Main Stem Columbia	Grand Coulee	45,381	122,374	167,755	70,468	123,363	193,831	18,410,608	18,498,726	2.46	6.65	3.81	6.67	9.11	10.48	1.37		0.00	10.48	33.68
Headwater/Lower Snake	Libby	4,963	11,300	16,263	6,422	11,436	17,858	1,749,061	1,773,300	2.84	6.46	3.62	6.45	9.30	10.07	0.77		0.00	10.07	33.68
Headwater/Lower Snake	Lower Monumental	4,001	13,881	17,882	6,795	13,998	20,793	2,051,034	2,111,798	1.95	6.77	3.22	6.63	8.72	9.85	1.13		0.00	9.85	33.68
Main Stem Columbia	The Dalles	15,769	26,378	42,148	19,632	26,684	46,316	5,690,985	5,715,178	2.77	4.64	3.44	4.67	7.41	8.10	0.70		0.00	8.10	33.68
Main Stem Columbia	John Day	18,003	33,465	51,469	23,213	33,816	57,029	7,640,708	7,700,048	2.36	4.38	3.01	4.39	6.74	7.41	0.67		0.00	7.41	33.68
Main Stem Columbia	Chief Joseph	12,037	32,822	44,859	15,095	33,318	48,413	8,979,673	9,086,281	1.34	3.66	1.66	3.67	5.00	5.33	0.33		0.00	5.33	33.68



pie chart of each bar in FCRPS projects that added in green plant groupings

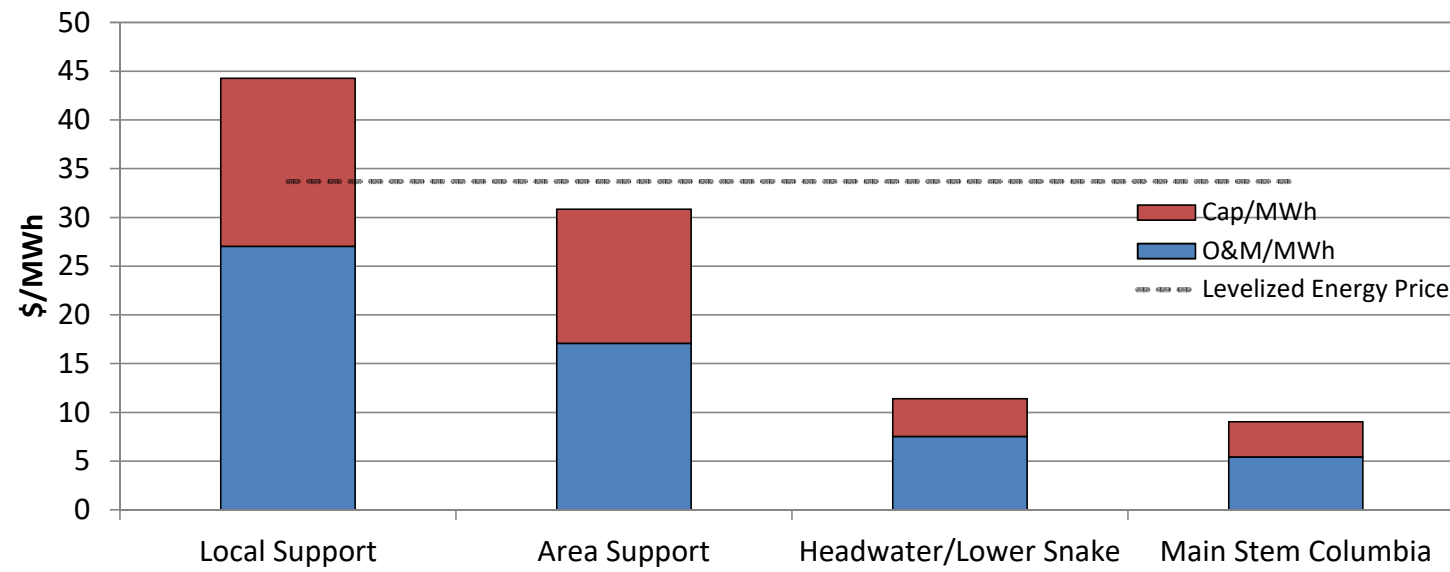
- Lower Columbia
- Upper Columbia
- Lower Snake
- Mid/Upper Snake
- Willamette Valley
- Headwaters
- Yakima
- Albeni?

Levelized Incremental Cost of Generation



Plant	Cap200	OM200	Tot200	Cap300	OM300	Tot300	MWh200	MWh300	C/MWh200	OM/MWh200	C/MWh300	OM/MWh300	\$/MWh200	\$/MWh300	Delta	CRFM	CRFM/MW	Grand Total	Energy Price
Willamette Valley	10,886	19,076	29,962	14,910	19,235	34,146	909,095	944,967	11.97	20.98	15.78	20.36	32.96	36.13		3.18	0.00	36.13	33.68
ALF/LOS/RZA/CDR/GSF	9,952	9,978	18,464	11,117	10,061	21,178	722,492	751,445	13.77	13.81	14.79	13.39	25.56	28.18		2.63	0.00	28.18	33.68
Mid/Upper Snake	41,409	42,502	83,911	46,928	43,060	89,988	5,365,022	5,479,715	7.72	7.92	8.56	7.86	15.64	16.42		0.78	0.00	16.42	33.68
Lower Snake	22,913	45,053	67,965	28,782	45,632	74,415	5,994,005	6,100,749	3.82	7.52	4.72	7.48	11.34	12.20		0.86	0.00	12.20	33.68
Headwaters	208,584	434,127	642,711	279,607	438,582	718,189	67,193,616	67,955,996	3.10	6.46	4.11	6.45	9.57	10.57		1.00	0.00	10.57	33.68
-----> FCRPS	202,563	415,223	617,787	269,945	419,521	689,466	64,608,159	65,305,907	3.14	6.43	4.13	6.42	9.56	10.56		1.00	0.00	10.56	33.68
Lower Columbia	42,100	92,521	134,621	55,312	93,453	148,764	17,389,427	17,526,821	2.42	5.32	3.16	5.33	7.74	8.49		0.75	0.00	8.49	33.68
Upper Columbia	57,418	155,196	212,614	85,564	156,681	242,244	27,390,282	27,585,007	2.10	5.67	3.10	5.68	7.76	8.78		1.02	0.00	8.78	33.68
Local Support	6783.91995	14657.78	21441.7	9416.026	14776.26	24192.28	523896.85	546312.83	12.95	27.98	17.24	27.05	40.93	44.28		3.36		44.28	33.68
Area Support	24283.29756	39785.39	64068.68	32288.35	40184.51	72472.86	2272192.8	2350365.7	10.69	17.51	13.74	17.10	28.20	30.83		2.64		30.83	33.68
Headwater/Lower Snake	35240.77651	91610.7	126851.5	48044.05	92582.82	140626.9	12102772	12324140	2.91	7.57	3.90	7.51	10.48	11.41		0.93		11.41	33.68
Main Stem Columbia	136255.0853	269169.6	405424.7	180196.4	271977.7	452174	49709297	50085088	2.74	5.41	3.60	5.43	8.16	9.03		0.87		9.03	33.68

Levelized Incremental Cost of Generation by Asset Class



pie chart of each bar in FCRPS projects that added in green plant groupings

- Lower Columbia
- Upper Columbia
- Lower Snake
- Mid/Upper Snake
- Willamette Valley
- Headwaters
- Yakima
- Albeni?

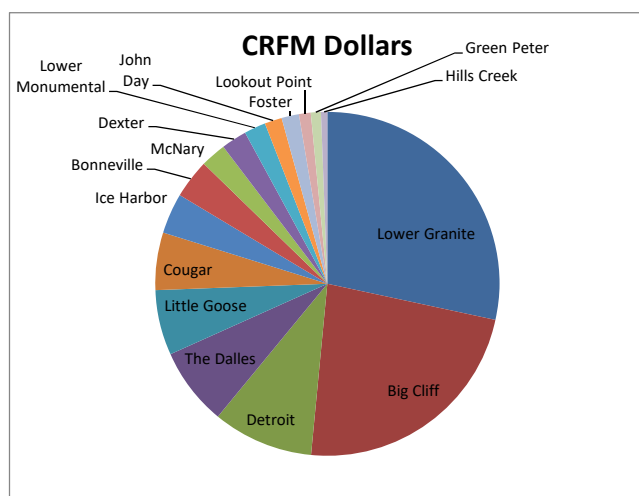
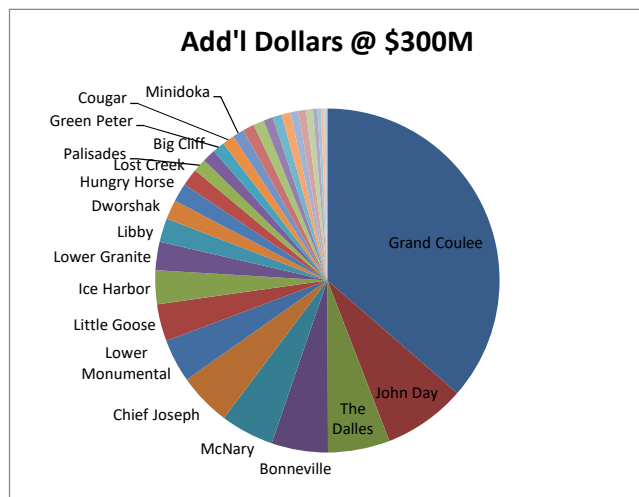
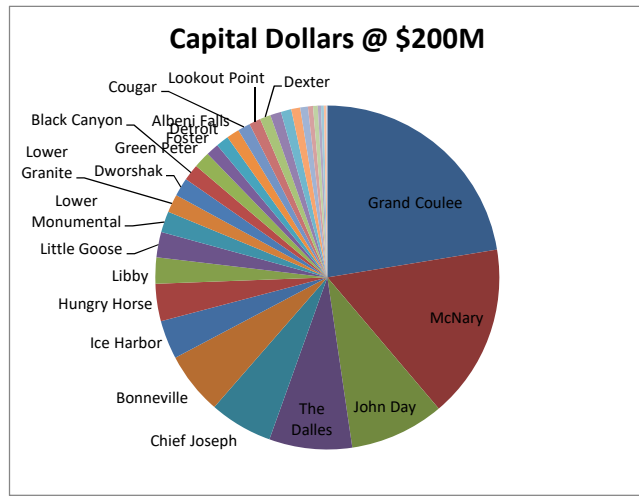
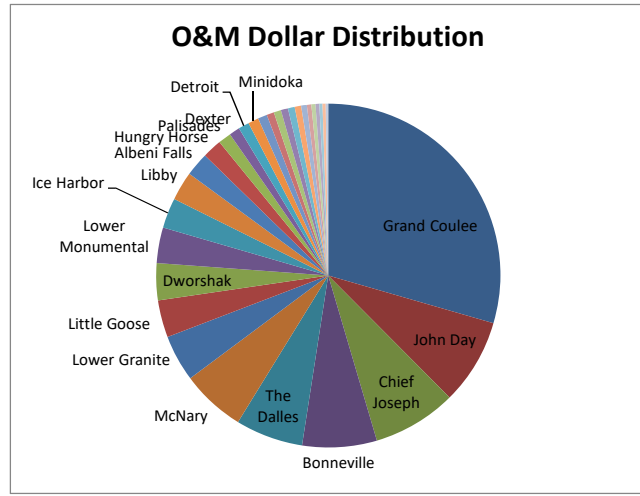
Plant	Cap200	OM200	Tot200	Cap300	OM300	Tot300	MWh200	MWh300	C/MWh200	OM/MWh2	C/MWh300	OM/MWh3	\$/MWh200	\$/MWh300	Delta	DeltaTot	CRFM	CRFM/MW	Grand Total	Energy Price
-----> FCRPS	202,563	415,223	617,787	269,945	419,521	689,466	64,608,159	65,305,907	3.14	6.43	4.13	6.42	9.56	10.56	1.00	71679.50	52,227	0.81	11.37	37
Lower Granite	3,509	18,145	21,653	5,277	18,297	23,574	2,013,560	2,037,340	1.74	9.01	2.59	8.98	10.75	11.57	0.82	1920.57	14,824	7.36	18.93	37
Big Cliff	1,466	2,961	4,427	2,307	3,006	5,313	92,938	95,528	15.78	31.86	24.15	31.47	47.64	55.62	7.98	885.83	12,076	129.93	185.55	37
Detroit	2,434	4,145	6,580	3,186	4,181	7,367	326,257	338,020	7.46	12.71	9.43	12.37	20.17	21.79	1.63	787.47	4,941	15.14	36.94	37
The Dalles	15,769	26,378	42,148	19,632	26,684	46,316	5,690,985	5,715,178	2.77	4.64	3.44	4.67	7.41	8.10	0.70	4168.33	3,822	0.67	8.78	37
Little Goose	4,819	14,532	19,351	7,190	14,656	21,846	2,044,173	2,074,254	2.36	7.11	3.47	7.07	9.47	10.53	1.07	2494.27	3,194	1.56	12.09	37
Cougar	2,372	1,534	3,906	3,148	1,546	4,694	120,043	124,040	19.76	12.78	25.38	12.46	32.54	37.85	5.31	788.29	2,832	23.60	61.44	37
Ice Harbor	7,346	11,812	19,158	9,427	12,007	21,434	1,718,857	1,755,466	4.27	6.87	5.37	6.84	11.15	12.21	1.06	2275.69	1,978	1.15	13.36	37
Bonneville	11,864	29,034	40,898	15,364	29,332	44,696	4,159,441	4,171,587	2.85	6.98	3.68	7.03	9.83	10.71	0.88	3797.88	1,912	0.46	11.17	37
McNary	33,200	25,096	58,296	36,425	25,465	61,890	4,827,881	4,913,268	6.88	5.20	7.41	5.18	12.07	12.60	0.52	3593.22	1,258	0.26	12.86	37
Dexter	2,070	4,191	6,261	2,552	4,225	6,777	62,404	67,429	33.17	67.16	37.85	62.65	100.33	100.50	0.17	515.80	1,255	20.10	120.61	37
Lower Monumental	4,001	13,881	17,882	6,795	13,998	20,793	2,051,034	2,111,798	1.95	6.77	3.22	6.63	8.72	9.85	1.13	2911.03	1,044	0.51	10.36	37
John Day	18,003	33,465	51,469	23,213	33,816	57,029	7,640,708	7,700,048	2.36	4.38	3.01	4.39	6.74	7.41	0.67	5559.76	860	0.11	7.52	37
Foster	2,479	2,530	5,010	3,162	2,556	5,717	87,643	94,060	28.29	28.87	33.62	27.17	57.16	60.79	3.63	707.96	845	9.64	70.42	37
Lookout Point	2,201	3,546	5,747	2,785	3,574	6,360	263,130	265,626	8.36	13.48	10.49	13.46	21.84	23.94	2.10	612.96	586	2.23	26.17	37
Green Peter	3,097	2,667	5,764	3,900	2,689	6,589	216,176	225,558	14.33	12.34	17.29	11.92	26.66	29.21	2.55	824.81	493	2.28	31.49	37
Hills Creek	1,686	1,233	2,919	2,268	1,243	3,511	131,876	144,759	12.79	9.35	15.67	8.59	22.14	24.26	2.12	591.94	307	2.33	26.59	37
Grand Coulee	45,381	122,374	167,755	70,468	123,363	193,831	18,410,608	18,498,726	2.46	6.65	3.81	6.67	9.11	10.48	1.37	26076.42	0	0.00	10.48	37
Chief Joseph	12,037	32,822	44,859	15,095	33,318	48,413	8,979,673	9,086,281	1.34	3.66	1.66	3.67	5.00	5.33	0.33	3553.74	0	0.00	5.33	37
Hungry Horse	7,133	7,566	14,699	8,339	7,627	15,966	862,442	885,542	8.27	8.77	9.42	8.61	17.04	18.03	0.99	1266.79	0	0.00	18.03	37
Libby	4,963	11,300	16,263	6,422	11,436	17,858	1,749,061	1,773,300	2.84	6.46	3.62	6.45	9.30	10.07	0.77	1594.86	0	0.00	10.07	37
Dworshak	3,470	14,374	17,845	4,595	14,562	19,157	1,663,644	1,686,441	2.09	8.64	2.72	8.63	10.73	11.36	0.63	1312.18	0	0.00	11.36	37
Black Canyon	3,128	2,817	5,945	3,569	2,840	6,409	60,712	65,872	51.51	46.40	54.18	43.11	97.92	97.29	-0.63	464.02	0	0.00	97.29	37
Albeni Falls	2,433	9,238	11,671	2,950	9,361	12,311	192,623	197,456	12.63	47.96	14.94	47.41	60.59	62.35	1.76	640.69	0	0.00	62.35	37
Lost Creek	2,024	2,718	4,742	3,163	2,740	5,903	244,679	259,599	8.27	11.11	12.18	10.56	19.38	22.74	3.36	1161.44	0	0.00	22.74	37
Palisades	2,021	5,023	7,043	2,867	5,063	7,930	534,424	538,291	3.78	9.40	5.33	9.41	13.18	14.73	1.55	886.99	0	0.00	14.73	37
Minidoka	962	4,117	5,080	1,717	4,151	5,867	151,930	158,360	6.33	27.10	10.84	26.21	33.43	37.05	3.62	787.53	0	0.00	37.05	37
Anderson Ranch	896	2,273	3,169	1,415	2,292	3,707	131,222	133,754	6.83	17.32	10.58	17.13	24.15	27.71	3.56	537.50	0	0.00	27.71	37
Chandler	582	1,632	2,214	883	1,645	2,528	60,015	63,827	9.71	27.19	13.83	25.77	36.90	39.60	2.71	313.43	0	0.00	39.60	37
Roza	534	1,658	2,191	728	1,671	2,399	67,745	69,815	7.88	24.47	10.43	23.94	32.35	34.37	2.02	207.89	0	0.00	34.37	37
Green Springs	529	1,228	1,758	733	1,238	1,972	40,022	42,263	13.22	30.69	17.35	29.30	43.91	46.65	2.74	214.17	0	0.00	46.65	37
Boise Diversion	152	932	1,084	371	940	1,310	12,251	12,421	12.44	76.08	29.86	75.64	88.52	105.50	16.99	226.03	0	0.00	105.50	37

Plant	OM200
Grand Coulee	122374
John Day	33465
Chief Joseph	32822
Bonneville	29034
The Dalles	26378
McNary	25096
Lower Granite	18145
Little Goose	14532
Dworshak	14374
Lower Monumental	13881
Ice Harbor	11812
Libby	11300
Albeni Falls	9238
Hungry Horse	7566
Palisades	5023
Dexter	4191
Detroit	4145
Minidoka	4117
Lookout Point	3546
Big Cliff	2961
Black Canyon	2817
Lost Creek	2718
Green Peter	2667
Foster	2530
Anderson Ranch	2273
Roza	1658
Chandler	1632
Cougar	1534
Hills Creek	1233
Green Springs	1228
Boise Diversion	932

Plant	Cap200
Grand Coulee	45381
McNary	33200
John Day	18003
The Dalles	15769
Chief Joseph	12037
Bonneville	11864
Ice Harbor	7346
Hungry Horse	7133
Libby	4963
Little Goose	4819
Lower Monumental	4001
Lower Granite	3509
Dworshak	3470
Black Canyon	3128
Green Peter	3097
Foster	2479
Detroit	2434
Albeni Falls	2433
Cougar	2372
Lookout Point	2201
Dexter	2070
Lost Creek	2024
Palisades	2021
Hills Creek	1686
Big Cliff	1466
Minidoka	962
Anderson Ranch	896
Chandler	582
Roza	534
Green Springs	529
Boise Diversion	152

Plant	DeltaTot
Grand Coulee	26076
John Day	5560
The Dalles	4168
Bonneville	3798
McNary	3593
Chief Joseph	3554
Lower Monumental	2911
Little Goose	2494
Ice Harbor	2276
Lower Granite	1921
Libby	1595
Dworshak	1312
Hungry Horse	1267
Lost Creek	1161
Palisades	887
Big Cliff	886
Green Peter	825
Cougar	788
Minidoka	788
Detroit	787
Foster	708
Albeni Falls	641
Lookout Point	613
Hills Creek	592
Anderson Ranch	537
Dexter	516
Black Canyon	464
Chandler	313
Boise Diversion	226
Green Springs	214
Roza	208

Plant	CRFM
Lower Granite	14824
Big Cliff	12076
Detroit	4941
The Dalles	3822
Little Goose	3194
Cougar	2832
Ice Harbor	1978
Bonneville	1912
McNary	1258
Dexter	1255
Lower Monumental	1044
John Day	860
Foster	845
Lookout Point	586
Green Peter	493
Hills Creek	307



Plant	Capital \$/MWh	O&M \$/MWh	Total \$/MWh	Total @ \$300M	Total w/ CRFM
Big Cliff	15.78	31.86	47.64	55.62	185.55
Dexter	33.17	67.16	100.33	100.50	120.61
Boise Diversion	12.44	76.08	88.52	105.50	105.50
Black Canyon	51.51	46.40	97.92	97.29	97.29
Foster	28.29	28.87	57.16	60.79	70.42
Albeni Falls	12.63	47.96	60.59	62.35	62.35
Cougar	19.76	12.78	32.54	37.85	61.44
Green Springs	13.22	30.69	43.91	46.65	46.65
Chandler	9.71	27.19	36.90	39.60	39.60
Minidoka	6.33	27.10	33.43	37.05	37.05
Detroit	7.46	12.71	20.17	21.79	36.94
Roza	7.88	24.47	32.35	34.37	34.37
Green Peter	14.33	12.34	26.66	29.21	31.49
Anderson Ranch	6.83	17.32	24.15	27.71	27.71
Hills Creek	12.79	9.35	22.14	24.26	26.59
Lookout Point	8.36	13.48	21.84	23.94	26.17
Lost Creek	8.27	11.11	19.38	22.74	22.74
Lower Granite	1.74	9.01	10.75	11.57	18.93
Hungry Horse	8.27	8.77	17.04	18.03	18.03
Pallsades	3.78	9.40	13.18	14.73	14.73
Ice Harbor	4.27	6.87	11.15	12.21	13.36
McNary	6.88	5.20	12.07	12.60	12.86
Little Goose	2.36	7.11	9.47	10.53	12.09
FCRPS	3.14	6.43	9.56	10.56	11.37
Dworshak	2.09	8.64	10.73	11.36	11.36
Bonneville	2.85	6.98	9.83	10.71	11.17
Grand Coulee	2.46	6.65	9.11	10.48	10.48
Lower Monumental	1.95	6.77	8.72	9.85	10.36
Libby	2.84	6.46	9.30	10.07	10.07
The Dalles	2.77	4.64	7.41	8.10	8.78
John Day	2.36	4.38	6.74	7.41	7.52
Chief Joseph	1.34	3.66	5.00	5.33	5.33

Plant	Capital \$/MWh	O&M \$/MWh	Total \$/MWh	Total @ \$300M	Total w/ CRFM
Willamette Valley	13.69	17.54	31.23	34.19	52.13
ALF/LOS/RZA/CDR/GSP	14.79	17.54	26.44	29.40	29.40
Mid/Upper Snake	8.04	17.03	25.07	27.76	27.76
Lower Snake	2.51	7.46	9.97	10.98	13.67
Headwaters	3.64	7.78	11.42	12.19	12.19
FCRPS	3.14	6.43	9.56	10.56	11.37
Lower Columbia	3.53	5.11	8.64	9.33	9.68
Upper Columbia	2.10	5.67	7.76	8.78	8.78

460544
5714466
0.080593

Discount Rate		8%																															
Inflation		2%																															
		PV	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	
Capital	Levelized	PV	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	
Albeni Falls		2,433	36,091.61	2,911	3,675	2,959	3,152	567	578	674	846	863	1,099	1,244	1,089	1,103	3,662	4,354	6,413	13,893	10,867	10,573	1,808	2,565	2,426	2,521	2,996	2,250	1,528	2,544	2,943	3,661	3,681
Anderson Ranch		896	13,297.72	319	458	468	477	613	625	739	1,105	981	613	548	559	570	581	829	2,521	2,499	6,457	6,630	851	1,055	1,077	906	924	723	1,506	1,537	1,951	2,022	1,611
Big Cliff		1,466	21,754.47	906	350	2,051	2,056	2,495	2,180	428	807	730	975	2,134	3,231	57	58	2,932	2,993	3,934	4,130	2,530	1,272	2,447	2,498	2,765	2,577	1,531	1,563	2,468	2,519	2,922	2,983
Black Canyon		3,128	46,399.87	14,643	16,740	11,164	2,273	1,658	382	258	264	132	134	137	140	143	145	148	151	154	157	294	300	1,462	1,492	1,589	1,622	1,611	1,132	927	949	199	1,172
Boise Diversion		152	2,261.41	25	34	399	408	416	425	38	39	39	164	167	171	174	44	44	45	46	47	52	53	54	56	52	87	544	555	566	606	154	157
Bonneville		11,864	176,017.02	12,852	11,031	9,312	6,703	8,770	8,980	3,657	16,368	18,082	21,232	30,771	13,571	10,302	16,056	25,833	26,938	23,779	9,808	13,643	14,676	14,473	11,544	12,525	14,026	14,122	24,350	26,476	16,024	12,475	12,002
Chandler		582	8,641.26	270	70	245	250	256	261	77	78	80	81	83	2,548	2,552	88	90	92	94	333	1,701	2,734	3,253	3,796	3,077	2,888	2,947	1,700	997	116	119	560
Chief Joseph		12,037	178,581.93	9,730	7,931	4,290	6,327	3,147	1,578	2,155	3,939	8,311	12,405	17,527	30,656	49,953	49,639	43,597	36,310	13,390	2,507	12,373	14,035	17,562	19,335	29,304	32,843	19,637	20,618	15,595	7,571	10,452	12,492
Cougar		2,372	35,197.51	1,435	1,167	1,342	1,659	2,637	2,215	2,180	1,272	1,552	5,860	6,258	1,903	1,319	1,367	2,828	4,368	7,357	1,549	6,669	6,038	6,163	4,386	3,627	3,702	2,353	2,431	2,618	2,752	2,431	2,618
Detroit		2,434	36,113.78	451	897	2,662	3,113	4,130	4,170	1,309	3,162	2,529	3,798	3,915	5,844	5,459	5,016	2,192	2,236	2,281	2,328	1,009	1,820	1,858	2,044	1,863	4,415	4,281	4,650	5,047	2,195	4,333	3,945
Dexter		2,070	30,711.82	1,136	559	2,799	3,101	3,797	4,546	562	574	1,564	2,683	3,409	3,521	4,159	7,685	3,916	3,921	386	66	518	924	1,570	4,007	2,275	1,715	1,838	1,876	1,637	2,849	3,302	3,371
Dworshak		3,470	51,485.93	6,025	4,017	2,392	4,479	2,064	2,619	2,383	2,042	3,575	3,078	1,748	1,505	2,407	2,456	5,027	3,819	1,662	2,735	6,264	12,443	8,786	8,888	10,649	6,101	5,842	10,667	9,944	10,149	10,776	
Foster		2,479	36,784.56	2,117	1,436	1,524	2,277	4,049	4,758	4,199	2,342	841	1,753	6,248	5,196	1,159	3,422	5,604	4,875	2,597	1,475	691	3,493	3,689	3,864	3,371	1,048	1,000	3,510	3,157	4,140	4,056	4,140
Grand Coulee		45,381	673,275.02	31,675	38,844	83,467	81,838	81,242	87,189	81,569	74,534	78,345	45,272	37,129	22,841	16,736	25,781	23,490	13,661	42,508	81,309	44,559	52,230	50,049	51,365	50,576	32,477	29,603	26,016	22,241	29,316	30,639	31,306
Green Peter		3,097	45,943.46	625	828	1,400	2,498	3,730	1,447	233	238	242	509	3,426	5,589	4,907	7,763	17,000	11,237	10,794	10,290	6,046	1,733	2,734	2,790	4,546	8,458	6,834	6,976	8,239	5,591	5,707	6,260
Green Springs		529	7,849.57	1,013	816	688	702	717	996	404	412	420	142	145	148	151	154	157	160	163	258	280	979	1,113	1,404	1,620	1,689	1,350	979	1,000	758	773	789
Hills Creek		1,686	25,015.57	1,875	2,914	2,412	2,405	4,501	4,067	1,845	226	179	126	210	987	1,236	3,987	4,989	729	744	759	1,075	2,074	2,117	2,241	1,138	659	586	1,431	2,380	2,430	2,480	
Hungry Horse		7,133	105,826.33	4,528	3,485	5,542	8,039	6,796	3,980	1,246	6,583	6,603	14,972	12,040	2,712	14,128	19,055	26,052	26,210	29,795	10,217	5,855	9,344	6,898	9,223	7,683	4,120	3,721	1,868	1,906	2,520	3,389	4,927
Ice Harbor		7,346	108,989.20	24,705	20,978	15,049	13,097	2,139	2,363	2,447	2,488	3,975	4,028	3,597	4,539	6,727	5,942	5,981	6,104	6,050	1,692	1,764	5,199	6,022	8,059	12,123	10,192	5,661	5,393	5,042	8,904	9,088	9,276
John Day		18,003	267,098.78	17,457	18,062	26,186	19,362	19,722	16,438	18,657	21,194	20,552	25,044	16,666	11,850	10,043	12,662	6,074	10,248	5,379	7,655	18,623	13,451	6,225	5,092	5,159	18,832	76,581	76,924	81,408	86,798	89,370	93,062
Libby		4,963	73,630.49	3,033	1,376	5,467	10,248	10,575	12,213	8,771	1,746	3,096	3,822	1,819	6,383	6,641	6,926	7,250	6,781	1,178	1,202	2,759	3,155	5,224	7,322	7,013	7,098	6,197	7,319	11,547	9,291	11,282	9,827
Little Goose		4,819	71,492.41	8,185	5,316	3,390	6,523	5,236	3,884	6,422	8,354	6,699	1,962	2,447	2,073	3,736	8,281	6,943	6,430	6,563	1,266	3,678	3,754	4,417	6,776	8,819	9,613	9,175	11,713	14,275	12,272	12,526	
Lookout Point		2,201	32,651.78	1,125	691	1,548	1,810	2,244	1,622	582	439	1,623	6,039	2,131	4,040	3,760	6,092	11,036	5,733	10,315	3,723	561	572	584	834	835	852	1,827	1,605	4,502	4,673	3,730	3,807
Lost Creek		2,024	30,024.34	722	603	701	1,206	3,915	2,543	3,329	3,621	3,699	4,320	1,840	1,794	441	504	860	1,008	4,001	1,966	4,171	4,322	5,361	5,488	5,258	6,281	5,364	5,458	3,434	244	794	810
Lower Granite		3,509	52,057.35	3,415	5,262	2,597	1,348	1,170	1,194	1,217	1,242	2,996	3,827	2,333	5,756	1,916	1,955	8,420	8,594	8,179	8,644	3,961	7,626	9,025	9,875	9,300	7,974	4,937	7,776	8,737	10,275	10,119	6,573
Lower Monumental		4,001	59,353.07	5,833	5,694	1,160	935	4,321	2,606	3,055	1,749	3,054	1,550	2,639	2,215	1,099	849	6,614	6,751	6,891	4,450	8,532	14,493	17,735	16,273	15,653	8,910	9,748	8,394	9,958	8,070	7,527	
McNary		33,200	492,560.75	18,538	18,178	19,430	38,060	53,514	67,266	74,321	84,700	58,499	51,978	55,938	52,984	39,849	19,961	18,922	30,609	29,126	36,431	33,068	30,681	27,076	22,450	23,574	22,892	14,433	14,529	23,801	23,998	23,276	22,578
Minidoka		962	14,279.11	6,208	370	1,478	249	284	321	177	267	240	211	215	125	128	130	133	136	138	141	162	1,100	2,373	2,456	3,074	2,950	3,411	2,420	1,832	3,033	2,551	2,604
Palisades		2,021	29,979.90	6,053	1,514	2,095	3,509	3,376	3,446	1,991	830	708	722	737	752	767	782	798	814	830	846	3,379	3,448	3,519	3,751	1,097	1,119	11,076	10,936	1,085	1,168	1,115	1,137
Roza		534	7,917.81	2,254	1,369	332	78	80	82	83	85	87	88	90	92	94	96	97	99	101	103	1,005	1,579	1,611	1,645	702	2,350	2,148	2,192	2,331	1,033	1,055	1,076
The Dalles		15,769	233,957.14	13,944	18,543	29,351	20,673	19,554	21,372	7,451	7,009	12,437	12,013	5,735	23,785	26,134	25,287	29,366	26,292	19,759	25,078	31,370	18,654	11,573	12,122	17,830	23,930	19,392	15,279	10,922	21,147	23,288	25,329
O&M	Levelized	PV	2018	2019	2020	2021	2022	2023	2024	2025																							

Plant	MWh	"Levelized" MWh
Albeni Falls	212,805	192622.9
Anderson Ranch	140,588	131222.1
Big Cliff	99,845	92938.39
Black Canyon	65,990	60711.83
Boise Diversion	10,710	12251.22
Bonneville	4,751,025	4159441
Chandler	51,516	60015.36
Chief Joseph	12,184,380	8979673
Cougar	156,052	120043.3
Detroit	413,173	326257.2
Dexter	87,074	62403.96
Dworshak	1,837,680	1663644
Foster	110,529	87642.83
Grand Coulee	21,354,322	18410608
Green Peter	256,378	216175.8
Green Springs	64,132	40021.65
Hills Creek	162,926	131876.3
Hungry Horse	927,267	862442.3
Ice Harbor	1,743,917	1718857
John Day	9,553,988	7640708
Libby	2,081,122	1749061
Little Goose	2,426,962	2044173
Lookout Point	329,348	263129.9
Lost Creek	318,719	244678.7
Lower Granite	2,357,451	2013560
Lower Monumental	2,491,450	2051034
McNary	5,529,865	4827881
Minidoka	138,770	151929.8
Palisades	716,849	534423.5
Roza	68,780	67744.92
The Dalles	7,194,025	5690985

Discount Rate		8%																																
Inflation		2%																																
Capital	Levelized	PV	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047		
Albeni Falls		2,950	43,413.91	2,911	3,675	2,758	2,755	1,182	578	674	846	863	1,099	2,168	2,670	1,791	4,667	14,014	14,432	14,307	3,057	4,092	3,780	3,581	3,741	4,172	4,504	3,514	3,322	4,250	4,995	5,987	6,111	
Anderson Ranch		1,415	20,831.14	319	458	468	477	613	625	769	1,136	1,013	645	665	901	2,345	2,323	5,916	6,067	979	1,096	5,415	5,355	5,277	7,298	3,961	4,043	4,112	2,108	1,063	1,121	1,719	2,437	
Big Cliff		2,307	33,947.26	906	350	2,051	2,056	2,495	2,180	821	1,209	1,365	2,509	3,682	1,304	596	1,435	4,291	5,874	4,844	5,958	4,640	3,145	3,123	6,662	4,980	11,828	12,535	7,572	8,220	1,201	1,304	3,765	
Black Canyon		3,569	52,521.75	14,643	16,740	11,164	2,273	1,658	382	275	280	149	152	137	144	197	201	205	1,267	1,238	1,692	2,577	1,931	4,772	4,753	4,847	4,953	1,857	2,256	2,252	2,292	2,371	3,119	
Boise Diversion		371	5,458.98	25	34	399	408	416	425	41	42	43	168	167	171	174	44	44	45	46	109	788	805	1,024	1,515	2,843	2,198	2,479	3,131	1,774	1,844	1,571	346	
Bonneville		15,364	226,108.09	12,852	11,031	9,312	6,703	9,139	10,048	5,794	16,368	17,507	19,946	31,375	15,569	9,280	14,514	21,844	54,968	47,772	38,017	22,833	21,038	20,130	22,889	27,829	27,441	32,229	37,103	32,345	30,196	29,484	24,919	
Chandler		883	12,990.62	270	70	245	250	256	261	131	134	146	439	407	3,302	3,704	948	949	1,561	2,195	2,783	3,730	2,891	2,298	1,863	1,582	1,615	2,464	2,547	2,444	3,462	2,376	1,986	
Chief Joseph		15,095	222,158.56	12,835	9,435	4,290	3,024	2,070	3,671	6,307	6,538	9,643	16,097	21,969	33,021	45,764	58,103	50,448	49,668	32,490	22,253	21,103	22,573	17,967	22,457	30,200	30,434	32,231	27,925	12,470	17,174	17,988	19,498	
Cougar		3,148	46,334.24	1,435	1,167	1,342	1,659	2,637	2,288	2,809	2,044	4,589	6,762	3,751	5,582	5,842	5,133	6,401	3,516	11,453	7,778	4,075	4,128	2,427	5,483	5,584	5,516	5,513	1,692	6,223	6,048	6,131	8,042	
Detroit		3,186	46,887.32	451	897	2,662	3,308	4,515	4,683	3,280	5,012	2,112	1,744	5,720	6,582	5,918	2,798	2,599	2,546	2,833	3,955	4,030	5,764	6,401	8,328	7,861	7,609	7,431	6,680	5,740	3,684	3,885	7,055	
Dexter		2,552	37,558.19	1,136	559	2,799	3,101	4,109	6,282	907	684	1,426	1,160	3,683	5,138	9,664	4,483	1,417	4,043	4,229	2,977	4,751	4,850	4,835	3,421	2,003	2,917	2,993	3,368	2,502	1,807	1,845	1,431	
Dworshak		4,595	67,619.65	6,025	4,017	2,392	7,365	4,041	2,222	2,083	2,219	2,330	2,190	7,159	3,412	3,270	7,807	6,149	6,798	5,387	9,084	10,174	13,481	12,807	9,535	9,769	5,428	5,477	6,745	7,561	10,361	14,369	13,951	
Foster		3,162	46,535.48	2,117	1,436	1,524	2,815	5,706	6,465	3,210	1,173	1,962	4,124	7,942	7,898	4,737	4,725	3,587	3,579	5,745	4,911	3,584	3,683	3,297	4,951	5,191	5,273	5,382	810	1,591	1,991	2,032	3,511	
Grand Coulee		70,468	1,037,090.24	34,268	47,174	121,681	125,846	120,288	127,198	125,815	119,318	128,350	82,635	76,349	36,957	38,001	64,495	69,833	29,669	39,287	49,419	65,365	62,501	52,917	39,085	27,008	35,723	45,495	73,998	128,667	130,897	131,245	113,130	
Green Peter		3,900	57,396.65	625	828	1,400	2,498	3,730	1,447	809	826	987	4,018	6,884	7,900	2,628	2,226	6,721	15,681	17,778	18,789	16,185	14,615	8,846	8,576	6,829	6,146	2,811	3,878	4,007	4,022	4,006	4,006	
Green Springs		733	10,792.47	1,013	816	688	702	717	996	404	412	420	142	427	436	570	582	287	854	839	972	1,297	3,012	2,821	3,241	3,040	856	775	1,066	1,041	1,062	1,166	594	
Hills Creek		2,268	33,379.97	1,875	2,914	2,412	2,405	4,501	4,067	2,558	954	922	885	564	1,257	1,759	1,891	2,271	4,418	5,158	1,568	1,952	1,993	1,721	3,799	3,844	4,139	4,727	6,729	7,221	6,706	7,200	1,660	
Hungry Horse		8,339	122,721.49	5,444	3,986	5,617	7,065	6,263	3,900	1,932	7,098	9,720	17,938	8,983	14,798	14,210	25,980	25,138	28,927	18,904	11,334	11,822	8,038	5,618	7,571	7,679	7,377	6,439	3,179	11,745	13,817	17,611	19,513	
Ice Harbor		9,427	138,739.39	26,158	24,988	15,114	13,871	3,426	1,558	1,106	2,488	3,975	4,840	4,340	5,096	8,348	9,459	7,114	8,447	10,520	8,865	17,183	23,794	20,121	18,126	12,657	5,712	5,516	7,260	7,055	7,748	9,010	32,828	
John Day		23,213	341,623.78	17,457	18,062	26,186	20,044	21,039	18,897	22,230	23,076	22,686	26,511	13,569	17,520	13,662	2,826	5,704	11,368	12,244	24,348	22,530	37,931	86,980	81,045	78,946	73,838	75,254	74,469	76,935	76,267	71,662	76,156	
Libby		6,422	94,512.45	3,477	4,220	6,096	9,308	10,471	12,108	8,186	1,891	1,844	2,507	2,762	7,821	8,829	8,405	2,549	8,617	9,312	7,732	12,518	11,472	11,729	11,376	12,947	13,674	17,743	11,473	12,547	14,447	16,761	16,761	
Little Goose		7,190	105,810.97	8,185	6,722	3,943	5,831	5,947	4,301	3,768	6,422	7,054	5,911	2,315	2,337	5,739	2,175	6,173	8,607	10,235	16,550	14,414	14,996	12,393	12,049	30,853	39,994	42,279	38,237	15,844	5,257	5,580	3,262	3,262
Lookout Point		2,785	40,989.24	1,125	691	1,548	1,810	2,244	1,622	582	439	1,538	5,938	1,806	3,745	3,306	3,686	6,850	7,835	15,801	1,863	1,831	1,868	7,965	7,811	8,450	9,493	3,113	5,510	7,833	7,338	7,636	7,636	
Lower Granite		3,163	46,553.29	722	603	701	1,206	4,222	4,185	7,907	5,729	4,408	4,096	1,998	2,178	931	804	1,166	1,946	7,693	6,172	7,361	5,886	3,146	2,556	6,618	8,310	8,476	9,620	12,315	10,344	10,559	9,051	9,051
Lower Monumental		5,277	77,666.61	4,321	4,928	1,993	3,980	2,457	1,194	1,643	1,667	1,695	1,957	5,201	7,054	5,505	5,071	8,765	11,888	12,416	14,676	12,356	10,936	11,383	11,351	12,041	12,346	10,908	26,333	22,267	21,678	22,568	8,403	
McNary		6,795	99,999.78	6,595	4,412	1,160	3,713	5,833	1,800	6,167	4,791	3,982	5,170	3,286	6,395	5,882	3,765	7,254	7,599	13,634	21,626	17,858	19,848	14,683	8,839	20,515	22,609	22,687	26,264	15,045	26,663	27,415	26,854	26,854
Minidoka		3,625	536,064.31	18,538	18,178	19,819	40,076	54,597	67,205	73,437	84,885	58,431	56,869	68,665	68,335	65,226	35,158	29,585	26,531	33,776	46,684	38,621	37,598	30,772	24,380	20,386	17,991	13,533	16,656	20,878	23,713	21,785	23,174	23,174
Palisades		1,717	25,265.11	6,208	370	1,478	249	284	321	191	282	254	225	733	798	1,011	1,031	695	709	1,615	3,192	5,857	5,808	7,065	9,580	7,975	8,110	6,247	2,434	2,572	3,298	3,366	2,392	
Roza		2,867	42,196.04	6,053	1,514	2,095	3,509	3,376	3,446	1,991	830	708	722	737	752	767	782	8,826	8,849	830	2,558	5,135	5,241	5,349	8,192	9,861	10,065	10,345	8,489	3,077	3,220	3,209	2,255	2,255
The Dalles		728	10,716.74	2,254	1,369	332	78	80	82	83	85	87	88	278	293	300	306	312	266	408	1,999	3,606	3,496	3,655	2,283	2,570	2,387	2,436	2,031	416	415	423	608	608
		19,632	288,927.42	13,944	18,543	29,351	20,724	19,708	22,142	8,308	7,672	11,761	11,249	5,026	26,503	34,347	51,402	35,184	23,669	23,700	36,425	43,998	37,550	38,591	48,204	36,383	37,352	34,519	20,896	20,979	23,801	25,248	26,654	26,654
O&M	Levelized	PV	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047		
Albeni Falls		9,361	137,771.52	10,417	10,817	10,326	10,506	9,104	9,286	9,471	9,661	9,854	10,051	10,496	11,940	11,984	11,587	11,097	11,319	11,545	11,903	12,676	12,885	12,497	12,747	13,002	13,262	13,527	13,798	14,074	14,355	14,642	14,935	14,935
Anderson Ranch		2,292	33,725.06	2,309	2,170	2,213	2,333	2,380	2,428	2,476	2,526	2,576	2,628	2,680	2,734	2,789	2,844	2,901	2,959	3,018	3,079	3,140	3,203	3,267	3,333	3,399	3,467	3,537	3,607	3,679	3,753	3,828	3,905	3,905
Big Cliff		3,006	44,245.12	2,961	3,277	3,143	2,905	3,012	3,072	3,134	3,196	3,260	3,326	3,392	3,460	4,975	4,053	3,672	3,745	3,820	3,896	3,974	4,054	4,135	4,218	4,302	4,388	4,476	4,565	4				

Plant	MWh	"Levelized" MWh
Albeni Falls	212,805	197455.9
Anderson Ranch	140,588	133753.9
Big Cliff	99,845	95527.73
Black Canyon	65,990	65871.96
Boise Diversion	10,710	12421.12
Bonneville	4,751,025	4171587
Chandler	51,516	63826.96
Chief Joseph	12,184,380	9086281
Cougar	156,052	124039.9
Detroit	413,173	338020.1
Dexter	87,074	67428.8
Dworshak	1,837,680	1686441
Foster	110,529	94060.11
Grand Coulee	21,354,322	18498726
Green Peter	256,378	225557.7
Green Springs	64,132	42263.43
Hills Creek	162,926	144759.2
Hungry Horse	927,267	885541.5
Ice Harbor	1,743,917	1755466
John Day	9,553,988	7700048
Libby	2,081,122	1773300
Little Goose	2,426,962	2074254
Lookout Point	329,348	265626.1
Lost Creek	318,719	259598.7
Lower Granite	2,357,451	2037340
Lower Monumental	2,491,450	2111798
McNary	5,529,865	4913268
Minidoka	138,770	158360.5
Palisades	716,849	538291.4
Roza	68,780	69815.01
The Dalles	7,194,025	5715178