



— BUREAU OF —
RECLAMATION

Bureau of Reclamation - Hydropower Generation Summary

Fiscal Year 2025 Q1

Summary

This summary report identifies federal and non-federal hydropower facilities and associated generating capacity currently online or in development on Reclamation Projects. Summary statistics reflect Unified Interior Regional boundaries: Interior Region 5 Missouri Basin; Interior Region 6 Arkansas-Rio Grande-Texas-Gulf; Interior Region 7: Upper Colorado Basin; Interior Region 8: Lower Colorado Basin; Interior Region 9: Columbia-Pacific Northwest; and Interior Region 10: California-Great Basin.¹ For the purposes of this summary, Missouri Basin statistics include both the Missouri Basin and the Arkansas-Rio Grande-Texas-Gulf Regions.

Incremental Hydropower Capability

Reclamation supports the development of incremental hydropower capability on Reclamation Projects. Incremental capability performance is reported in megawatts (MW) – consisting of MW derived from generator uprates and non-federal development; and MW equivalents derived from turbine runner replacements and optimization installations, calculated by multiplying the resulting efficiency improvement by the MW capacity of the affected unit(s).

Within FY2025 Q1, an additional **5.07 MW** of incremental hydropower capability was installed at Reclamation Projects – a generator uprate was completed at the Missouri Basin Canyon Ferry facility in November 2024, the Upper Colorado Basin Taylor Park Dam LOPP project came online in December 2024, and turbine runner replacements were completed at the Missouri Basin Marys Lake and California Great Basin Spring Creek facilities in December 2024.

A cumulative total of **78.03 MW** of incremental capability has been installed at Reclamation Projects since FY 2018. FY 2018 through current quarter performance is summarized in table below:

¹ See: <https://www.doi.gov/employees/reorg/unified-regional-boundaries>. The *Bureau of Reclamation - Hydropower Generation Summary* assigns hydropower facilities to the Unified Interior Region responsible for facility oversight.

Region	Facility	Activity	Completion Date	Incremental MW
Upper Colorado Basin	Glen Canyon Control Center	HydrOS Installation	October 2017	17.31
Missouri Basin	Casper Control Center	HydrOS Installation	January 2018	6.73
Missouri Basin	Yellowtail - Unit 1	Generator Uprate	July 2018	9.40
Columbia–Pacific Northwest	Palisades - Unit 2	Turbine Replacement	April 2018	1.92
Upper Colorado Basin	Olmsted	Generator Uprate	July 2018	1.43
Missouri Basin	Pueblo Dam	Lease of Power Privilege	May 2019	7.01
Missouri Basin	Yellowtail – Unit 4	Generator Uprate	October 2019	9.40
Missouri Basin	Yellowtail – Unit 2	Generator Uprate	June 2021	9.40
Upper Colorado Basin	Vinelands (Grand Valley)	Lease of Power Privilege	November 2022	4.90
California-Great Basin	Trinity – Unit 2	Turbine Replacement	April 2023	2.93
Missouri Basin	Canyon Ferry – Unit 1	Generator Uprate	November 2023	2.53
Missouri Basin	Canyon Ferry – Unit 3	Generator Uprate	November 2024	2.53
Upper Colorado Basin	Taylor Park Dam	Lease of Power Privilege	December 2024	0.50
Missouri Basin	Marys Lake – Unit 1	Turbine Replacement	December 2024	0.24
California Great Basin	Spring Creek – Unit 2	Turbine Replacement	December 2024	1.80
Total				78.03

Reclamation Hydropower Summary

Summary tables identify federal (reserved and transferred works) and non-federal hydropower facilities and associated generating capacity currently online or in development on Reclamation Projects. Quarterly table updates, if any, are noted. Table definitions are provided in Appendix A – Table Definitions. Facility details are provided in Appendix B – Regional Hydropower Generating Capacity Portfolios.

Table components may not sum to totals due to rounding.

Online Hydropower Facilities

Table updates: A generator uprate was completed at the Missouri-Basin Canyon Ferry, reserved work facility in November 2024 – delivering 2.53 MW of incremental capacity. The *Reserved* statistic has been updated accordingly.

The Upper Colorado Basin Taylor Park Dam LOPP project (0.50 MW) came online in December 2024. The project has been moved from the *In Development – Conventional Hydropower (LOPP) Contract* statistic to the *Online Hydropower Facilities – LOPP* statistic.

	Missouri Basin		Upper Colorado Basin		Lower Colorado Basin		Columbia–Pacific Northwest		California–Great Basin		Bureau of Reclamation	
	#	MW	#	MW	#	MW	#	MW	#	MW	#	MW
Reserved	21	1046	9	1816	3	2454	10	7537	10	1910	53	14763
Transferred	-	-	10	42	11	300	-	-	2	449	23	791
Other	-	-	-	-	6	82	-	-	-	-	6	82
FERC	6	29	5	50	-	-	27	326	16	67	54	473
LOPP ²	3	11	12	46	-	-	-	-	1	1	16	58
Total	30	1086	36	1954	20	2836	37	7863	29	2427	152	16167

In Development – Conventional Hydropower (FERC)

Table updates: None.

² Reclamation holds title to the Upper Colorado Basin Grand Valley hydropower facility LOPP. The total number of Reclamation-owned hydropower facilities is 77 (53 reserved, 23 transferred, 1 LOPP). The Upper Colorado Basin Grand Valley hydropower facility LOPP and Grand Valley (Vinlands) LOPP are separate facilities.

	Missouri Basin		Upper Colorado Basin		Lower Colorado Basin		Columbia-Pacific Northwest		California-Great Basin		Bureau of Reclamation	
	#	MW	#	MW	#	MW	#	MW	#	MW	#	MW
License	2	20	-	-	-	-	1	3	-	-	3	23
Exemption	1	1	-	-	-	-	4	2	-	-	5	3
Preliminary Permit	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	21	-	-	-	-	5	5	-	-	8	26

In Development – Conventional Hydropower (LOPP)

Table updates: The Upper Colorado Basin Taylor Park Dam LOPP project (0.50 MW) came online in December 2024. The project has been moved from the *In Development – Conventional Hydropower (LOPP) Contract* statistic to the *Online Hydropower Facilities – LOPP* statistic.

Capacity updates have been made to Columbia-Pacific Northwest North Unit Main Canal (0.54 MW) and North Unit Main Canal – Redmond Energy Resiliency Project (1.50 MW) LOPP projects.

	Missouri Basin		Upper Colorado Basin		Lower Colorado Basin		Columbia-Pacific Northwest		California-Great Basin		Bureau of Reclamation	
	#	MW	#	MW	#	MW	#	MW	#	MW	#	MW
Contract	1	3	-	-	-	-	-	-	-	-	1	3
Preliminary Lease	2	11	-	-	-	-	1	0.1	-	-	3	11
Posted Solicitation	-	-	-	-	-	-	-	-	-	-	-	-
Request for Development	-	-	-	-	-	-	2	2	-	-	2	2
Total	3	14	-	-	-	-	3	2	-	-	6	16

In Development – Pump Storage (PS) (FERC and LOPP)

Non-federal pump storage development at Reclamation Projects may require both a FERC License and Reclamation LOPP if the proposed project utilizes a Reclamation Project reservoir within Reclamation's permitting jurisdiction and any second reservoir outside Reclamation's permitting jurisdiction (i.e., FERC jurisdiction), as defined by the 1992 Memorandum of Understanding between Reclamation and FERC.³

³ See: <https://www.usbr.gov/recman/fac/fac04-08-AppA.pdf>.

Additional information regarding non-federal pump storage development and dual jurisdiction is available on the LOPP website.⁴ Projects subject to dual FERC/LOPP jurisdiction are identified as *Dual FERC/LOPP PS* projects in table below.

Table updates: None.

	Missouri Basin		Upper Colorado Basin		Lower Colorado Basin		Columbia–Pacific Northwest		California–Great Basin		Bureau of Reclamation	
	#	MW	#	MW	#	MW	#	MW	#	MW	#	MW
FERC PS												
License	-	-	-	-	-	-	-	-	-	-	-	-
Preliminary Permit	-	-	-	-	-	-	1	600	-	-	1	600
LOPP PS												
Contract	-	-	-	-	-	-	-	-	-	-	-	-
Preliminary Lease	-	-	-	-	-	-	-	-	-	-	-	-
Dual FERC/LOPP PS⁵												
Preliminary Permit	-	-	1	2210	-	-	-	-	-	-	1	2210
Preliminary Lease	-	-	-	-	-	-	-	-	-	-	-	-
Preliminary Lease and Permit	1	972	-	-	-	-	1	400	-	-	2	1372
Total	1	972	1	2210	-	-	2	1000	-	-	4	4182

⁴ See: <https://www.usbr.gov/power/LOPP>.

⁵ The proposed Energy Storage Station Pumped Storage Project (Lake Powell) (Upper Colorado Basin) has received a FERC Preliminary Permit for upper reservoir development but has not received a Reclamation Preliminary Lease or LOPP Contract for lower reservoir development at this time.

The proposed Anderson Ranch Pumped Storage Project (Columbia-Pacific Northwest) and Seminole Pumped Storage Project (Missouri Basin) have received both a FERC Preliminary Permit for upper reservoir development and a Reclamation Preliminary Lease for lower reservoir development.

Appendix A – Table Definitions

For the purposes of the *Bureau of Reclamation - Hydropower Generation Summary* the following definitions apply, arranged by facility type and corresponding summary table.

Online Hydropower Facilities

Reserved. Reclamation-owned hydropower facilities, wherein Reclamation has retained responsibility for carrying out facility operations and maintenance activities.

Transferred. Reclamation-owned hydropower facilities, wherein the responsibility for carrying out facility operations and maintenance activities has been transferred to a non-federal entity under the provisions of a formal operations and maintenance transfer contract.

Other. Non-federal hydropower facilities developed on Reclamation Projects, authorized outside the FERC licensing or Reclamation LOPP contracting process.

FERC (Federal Energy Regulatory Commission). Non-federal hydropower facilities developed on Reclamation Projects, authorized via the FERC licensing process.

LOPP (Lease of Power Privilege). Non-federal hydropower facilities developed on Reclamation Projects, authorized via the LOPP contracting process.

In Development – Conventional Hydropower (FERC)⁶

License. Non-federal hydropower facilities in development on Reclamation Projects, currently issued an active FERC License.

Exemption. Non-federal hydropower facilities in development on Reclamation Projects, currently issued an exemption from FERC from licensing requirements.

Preliminary Permit. Non-federal hydropower facilities in development on Reclamation Projects, currently issued an active FERC Preliminary Permit.

In Development – Conventional Hydropower (LOPP)⁷

Contract. Non-federal hydropower facilities in development on Reclamation Projects, currently issued an active LOPP Contract.

⁶ See: <https://www.ferc.gov/industries/hydropower/gen-info/licensing/app-new.asp>.

⁷ See: <https://www.usbr.gov/power/LOPP>.

Preliminary Lease. Non-federal hydropower facilities in development on Reclamation Projects, currently issued an active LOPP Preliminary Lease.

Posted Solicitation. Proposed non-federal hydropower development sites on Reclamation Projects wherein Reclamation has published a public notice soliciting project proposals.

Request for Development. Proposed non-federal hydropower development sites on Reclamation Projects wherein Reclamation has received a formal request for non-federal development.

In Development – Pump Storage (PS) (FERC and LOPP)

FERC PS – License. Non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active FERC License.

FERC PS – Preliminary Permit. Non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active FERC Preliminary Permit.

LOPP PS – Contract. Non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active LOPP Contract.

LOPP PS – Preliminary Lease. Non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active LOPP Preliminary Lease.

Dual FERC/LOPP PS – Preliminary Permit. Dual jurisdiction non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active FERC Preliminary Permit.

Dual FERC/LOPP PS – Preliminary Lease. Dual jurisdiction non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active LOPP Preliminary Lease.

Dual FERC/LOPP PS – Preliminary Lease and Permit. Dual jurisdiction non-federal pump storage hydropower facilities in development on Reclamation Projects, currently issued an active FERC Preliminary Permit and active LOPP Preliminary Lease.

Appendix B – Regional Hydropower Generating Capacity Portfolios

Regional Hydropower Generating Capacity Portfolios

Project updates noted in bold (e.g., new projects, capacity uprates, or permitting status updates from previous reported quarter).
Projects terminated or removed within the reported quarter are noted in strikethrough.

Region	State	Facility	Status	Permitting Status	Hydropower Type	FERC Project Docket	Reclamation Area Office	Operating Entity	Capacity (MW)
Reclamation Reserved Works									
MB	WY	Alcova	Online		Conventional		Wyoming	Reclamation	41.40
	CO	Big Thompson	Online		Conventional		Eastern Colorado	Reclamation	4.50
	WY	Boysen	Online		Conventional		Wyoming	Reclamation	15.00
	WY	Buffalo Bill	Online		Conventional		Wyoming	Reclamation	18.00
	MT	Canyon Ferry	Online		Conventional		Montana	Reclamation	55.07
	CO	Estes	Online		Conventional		Eastern Colorado	Reclamation	45.00
	CO	Flatiron	Online		Conventional/Pump Storage		Eastern Colorado	Reclamation	94.50
	WY	Fremont Canyon	Online		Conventional		Wyoming	Reclamation	66.80
	WY	Glendo	Online		Conventional		Wyoming	Reclamation	38.00
	CO	Green Mountain	Online		Conventional		Eastern Colorado	Reclamation	26.00
	WY	Guernsey	Online		Conventional		Wyoming	Reclamation	6.40
	WY	Heart Mountain	Online		Conventional		Wyoming	Reclamation	5.00
	WY	Kortes	Online		Conventional		Wyoming	Reclamation	36.00
	CO	Marys Lake	Online		Conventional		Eastern Colorado	Reclamation	8.10
	CO	Mt. Elbert PS	Online		Pump Storage		Eastern Colorado	Reclamation	200.00
	WY	Pilot Butte	Online		Conventional		Wyoming	Reclamation	1.60
	CO	Pole Hill	Online		Conventional		Eastern Colorado	Reclamation	38.24
	WY	Seminole	Online		Conventional		Wyoming	Reclamation	51.75
	WY	Shoshone	Online		Conventional		Wyoming	Reclamation	3.00
	WY	Spirit Mountain	Online		Conventional		Wyoming	Reclamation	4.50
	MT	Yellowtail	Online		Conventional		Montana	Reclamation	287.50
UCB	CO	Blue Mesa	Online		Conventional		UCB Power Office	Reclamation	86.40
	CO	Crystal	Online		Conventional		UCB Power Office	Reclamation	31.50
	NM	Elephant Butte	Online		Conventional		UCB Power Office	Reclamation	27.95
	UT	Flaming Gorge	Online		Conventional		UCB Power Office	Reclamation	151.50
	WY	Fontenelle	Online		Conventional		UCB Power Office	Reclamation	10.00
	AZ	Glen Canyon	Online		Conventional		UCB Power Office	Reclamation	1,320.00
	CO	Lower Molina	Online		Conventional		UCB Power Office	Reclamation	5.59
	CO	Morrow Point	Online		Conventional		UCB Power Office	Reclamation	173.33
	CO	Upper Molina	Online		Conventional		UCB Power Office	Reclamation	9.94
LCB	AZ	Davis	Online		Conventional		Lower Colorado	Reclamation	255.00
	AZ/NV	Hoover	Online		Conventional		Lower Colorado	Reclamation	2,078.80
	CA	Parker	Online		Conventional		Lower Colorado	Reclamation	120.00
C-PN	ID	Anderson Ranch	Online		Conventional		Snake River	Reclamation	40.00
	ID	Black Canyon	Online		Conventional		Snake River	Reclamation	10.20
	ID	Boise River Diversion	Online		Conventional		Snake River	Reclamation	3.45
	WA	Chandler	Online		Conventional		Columbia Cascades	Reclamation	12.00
	WA	Grand Coulee	Online		Conventional/Pump Storage		Columbia Cascades	Reclamation	6,809.00
	OR	Green Springs	Online		Conventional		Columbia Cascades	Reclamation	17.29
	MT	Hungry Horse	Online		Conventional		Columbia Cascades	Reclamation	428.00
	ID	Minidoka	Online		Conventional		Snake River	Reclamation	27.70
	ID	Palisades	Online		Conventional		Snake River	Reclamation	176.56
	WA	Roza	Online		Conventional		Columbia Cascades	Reclamation	12.94
C-GB	CA	Folsom	Online		Conventional		Central California	Reclamation	207.00
	CA	Judge Francis Carr	Online		Conventional		Northern California	Reclamation	154.40
	CA	Keswick	Online		Conventional		Northern California	Reclamation	117.00
	CA	Lewiston	Online		Conventional		Northern California	Reclamation	0.35
	CA	New Melones	Online		Conventional		Central California	Reclamation	380.00
	CA	Nimbus	Online		Conventional		Central California	Reclamation	13.50
	CA	Shasta	Online		Conventional		Northern California	Reclamation	714.00
	CA	Spring Creek	Online		Conventional		Northern California	Reclamation	180.00
	CA	Stampede	Online		Conventional		Lahontan Basin	Reclamation	3.65
	CA	Trinity	Online		Conventional		Northern California	Reclamation	140.00
Reclamation Transferred Works									
UCB	UT	Causey Powerplant	Online		Conventional		Provo	Weber Basin Water Conservancy District	1.90
	UT	Gateway Powerplant	Online		Conventional		Provo	Weber Basin Water Conservancy District	4.28

Regional Hydropower Generating Capacity Portfolios

Project updates noted in bold (e.g., new projects, capacity uprates, or permitting status updates from previous reported quarter).
Projects terminated or removed within the reported quarter are noted in strikethrough.

Region	State	Facility	Status	Permitting Status	Hydropower Type	FERC Project Docket	Reclamation Area Office	Operating Entity	Capacity (MW)
	UT	Lower Spanish Fork Powerplant	Online		Conventional		Provo	Strawberry Water User's Association	0.25
	UT	Olmsted Powerplant	Online		Conventional		Provo	Central Utah Water Conservancy District	11.73
	UT	Payson Powerplant	Online		Conventional		Provo	Strawberry Water User's Association	0.40
	UT	Upper Spanish Fork	Online		Conventional		Provo	Strawberry Water User's Association	3.90
	UT	Wanship Powerplant	Online		Conventional		Provo	Weber Basin Water Conservancy District	1.90
	UT	Deer Creek Powerplant	Online		Conventional		Provo	Provo River Water Users Association	4.95
	CO	McPhee Powerplant	Online		Conventional		Western Colorado	Dolores Water Conservancy District	1.28
	CO	Towaoc Powerplant	Online		Conventional		Western Colorado	Dolores Water Conservancy District	11.50
LCB	AZ	Arizona Falls Powerplant	Online		Conventional	2304	Phoenix	Salt River Valley Water User's Association	0.75
	AZ	C.C. Craigin Dam and Powerplant	Online		Conventional		Phoenix	Salt River Project	3.00
	AZ	Cross Cut Powerplant	Online		Conventional		Phoenix	Salt River Valley Water User's Association	3.00
	AZ	Horse Mesa Powerplant	Online		Conventional/Pump Storage		Phoenix	Salt River Valley Water User's Association	129.00
	AZ	Mormon Flat Powerplant	Online		Conventional/Pump Storage		Phoenix	Salt River Valley Water User's Association	60.00
	AZ	New Waddell Pump/Generating Plant	Online		Pump Storage		Phoenix	Central Arizona Water Conservation District	45.00
	CA	Senator Wash Pump/Generating Plant	Online		Pump Storage		Yuma	Imperial Irrigation District	7.20
	CA	Siphon Drop Powerplant	Online		Conventional		Yuma	Yuma County Water User's Association	4.60
	AZ	South Consolidated Powerplant	Online		Conventional		Phoenix	Salt River Valley Water User's Association	1.40
	AZ	Stewart Mountain Powerplant	Online		Conventional		Phoenix	Salt River Valley Water User's Association	10.40
	AZ	Theodore Roosevelt Powerplant	Online		Conventional		Phoenix	Salt River Valley Water User's Association	36.02
C-GB	CA	San Luis Pumping-Generating Plant	Online		Pump Storage		South Central California	California Department of Water Resources	424.00
	CA	O'Neill Pumping-Generating Plant	Online		Pump Storage		South Central California	San Luis Delta-Mendota Water Authority	25.20

Other Non-Federal Facilities Operating on Reclamation Projects

LCB	AZ	Drop Five Powerplant	Online		Conventional		Yuma	Imperial Irrigation District	4.00
	AZ	Drop Four Powerplant	Online		Conventional		Yuma	Imperial Irrigation District	19.60
	AZ	Drop One Powerplant	Online		Conventional		Yuma	Imperial Irrigation District	6.00
	AZ	Drop Three Powerplant	Online		Conventional		Yuma	Imperial Irrigation District	9.80
	AZ	Drop Two Powerplant	Online		Conventional		Yuma	Imperial Irrigation District	10.00
	AZ	Pilot Knob Powerplant	Online		Conventional		Yuma	Imperial Irrigation District	33.00

Federal Energy Regulatory Commission (FERC)

MB	WY	Garland Canal	Online		Conventional	3031	Wyoming	Shoshone Irrigation District	2.61
	MT	Lower Turnbull Drop	Online		Conventional	12597	Montana	Turnbull Hydro, LLC	7.70
	CO	Ruedi Dam	Online		Conventional	3603	Western Colorado	City of Aspen	3.20
	CO	Sugarloaf Dam	Online		Conventional	3819	Eastern Colorado	STS Hydropower Ltd.	2.80
	MO	Tiber Dam	Online		Conventional	3574	Montana	Tiber Montana, LLC	7.50
	MT	Upper Turnbull Drop	Online		Conventional	12598	Montana	Turnbull Hydro, LLC	5.30
UCB	UT	Echo Dam	Online		Conventional	3755	Provo	City of Bountiful	4.50
	NM	El Vado Dam	Online		Conventional	5226	Albuquerque	County of Los Alamos	8.00
	NM	Navajo Dam	Online		Conventional	4720	Western Colorado	City of Farmington	30.00
	UT	Pineview Dam	Online		Conventional	4597	Provo	City of Bountiful	1.80
	CO	Vallecito Dam	Online		Conventional	3174	Western Colorado	Ptarmigan Resources and Energy, Inc.	5.88
C-PN	OR	45-Mile	Online		Conventional	13817	Columbia Cascades	Apple, Inc.	5.00
	ID	American Falls	Online		Conventional	2736	Snake River	Idaho Power Co	92.40
	ID	Arrowrock Dam	Online		Conventional	4656	Snake River	Boise-Kuna Irrigation District, Nampa and Meridian Irrigation District, New York Irrigation District, Wilder Irrigation District, and Big Bend Irrigation District	15.00
	ID	Cascade	Online		Conventional	2848	Snake River	Idaho Power Company	12.42
	WA	Cowiche	Online		Conventional	7337	Columbia Cascades	Yakima-Tieton Irrigation District	1.47
	ID	Dietrich Drop	Online		Conventional	8909	Snake River	Big Wood Canal Company	4.77
	WA	Eltopia Branch Canal 4.6	Online		Conventional	3842	Columbia Cascades	Columbia Basin Hydropower	2.20
	WA	Esquatzel Power	Online		Conventional	12638	Columbia Cascades	Green Energy Today, LLC	0.90
	ID	Fargo Drop No. 1	Online		Conventional	5042	Snake River	Boise Project Board of Control	1.10
	ID	Felt Hydro	Online		Conventional	5089	Snake River	Fall River Rural Cooperative	7.45
	ID	Island Park	Online		Conventional	2973	Snake River	Fall River Rural Electric	4.80
	ID	Little Wood Reservoir	Online		Conventional	7427	Snake River	Little Wood Irrigation District	3.00
	ID	Low Line No. 8 Arena Drop	Online		Conventional	5056	Snake River	Boise Project Board of Control	0.39
	WA	Main Canal Headworks	Online		Conventional	2849	Columbia Cascades	Columbia Basin Hydropower	26.00
	ID	Mile 28	Online		Conventional	10552	Snake River	Contractor's Power Group	1.50
	OR	Mitchell Butte Lateral	Online		Conventional	5357	Snake River	Owyhee Irrigation District	1.88
	OR	Monroe Drop	Online		Conventional	14430	Columbia Cascades	Apple, Inc.	0.30

Regional Hydropower Generating Capacity Portfolios

Project updates noted in bold (e.g., new projects, capacity uprates, or permitting status updates from previous reported quarter).
Projects terminated or removed within the reported quarter are noted in strikethrough.

Region	State	Facility	Status	Permitting Status	Hydropower Type	FERC Project Docket	Reclamation Area Office	Operating Entity	Capacity (MW)
	ID	Mora Drop Hydro	Online		Conventional	3403	Snake River	Boise-Kuna Irrigation District, Nampa and Meridian Irrigation District, New York Irrigation District, Wilder Irrigation District, Big Bend Irrigation District, and Boise Project Board of Control	1.90
	WA	Orchard Avenue	Online		Conventional	7338	Columbia Cascades	Yakima-Tieton Irrigation District	1.44
	OR	Owyhee Dam	Online		Conventional	4354	Snake River	Gem Irrigation District, Owyhee Irrigation District, and Ridgeview Irrigation District	4.34
	OR	Owyhee Tunnel No. 1	Online		Conventional	4359	Snake River	Owyhee Irrigation District and Hydro	8.12
	WA	Potholes East Canal 66.0	Online		Conventional	3843	Snake River	Columbia Basin Hydropower	2.40
	WA	Potholes East Canal Headworks	Online		Conventional	2840	Columbia Cascades	Grant County Public Utility District	6.50
	WA	Quincy Chute	Online		Conventional	2937	Columbia Cascades	Grant County Public Utility District	9.37
	WA	Russel D Smith Pec 22.7	Online		Conventional	2926	Columbia Cascades	Columbia Basin Hydropower	6.10
	WA	Summer Falls	Online		Conventional	3295	Columbia Cascades	Columbia Basin Hydropower	92.00
	WA	Tieton Dam	Online		Conventional	3701	Columbia Cascades	Yakima-Tieton Irrigation District	13.60
C-GB	OR	East Side	Online		Conventional	2082	Klamath Basin	Scottish Power (PacifiCorp)	3.20
	CA	Friant Dam (Fishwater Release Powerhouse)	Online		Conventional	11068	South Central California	Friant Power Authority and Orange Cove Irrigation District	0.52
	CA	Friant Dam (New River Outlet Powerhouse)	Online		Conventional	11068	South Central California	Friant Power Authority and Orange Cove Irrigation District	7.03
	CA	Friant Project (Friant-Kern Powerhouse)	Online		Conventional	2892	South Central California	Friant Power Authority and Orange Cove Irrigation District	16.56
	CA	Friant Project (Madera Powerhouse)	Online		Conventional	2892	South Central California	Friant Power Authority and Orange Cove Irrigation District	8.80
	CA	Friant Project (River Outlet 2 Powerhouse)	Online		Conventional	2892	South Central California	Friant Power Authority and Orange Cove Irrigation District	2.00
	CA	High Line Canal	Online		Conventional	7252	Northern California	Santa Clara	0.53
	CA	Madera Canal	Online		Conventional	5765	South Central California	Madera-Chowchilla Water and Power Authority	0.44
	CA	Madera Canal Water Power STA 1174+84	Online		Conventional	2958	South Central California	Madera-Chowchilla Water and Power Authority	0.56
	CA	Madera Canal Water Power STA 1923+10	Online		Conventional	2958	South Central California	Madera-Chowchilla Water and Power Authority	0.92
	CA	Madera Canal Water Power STA 980+65	Online		Conventional	2958	South Central California	Madera-Chowchilla Water and Power Authority	2.13
	CA	Monticello	Online		Conventional	2780	Central California	Solano Irrigation District	11.50
	NV	New Lahontan	Online		Conventional	7828	Lahontan Basin	Truckee-Carson Irrigation District	4.00
	CA	Stony Gorge Hydroelectric	Online		Conventional	3193	Northern California	Santa Clara, City of	4.90
	OR	West Side	Online		Conventional	2082	Klamath Basin	Scottish Power (PacifiCorp)	0.60
	CA	Whiskey Dam Power Project	Online		Conventional	2888	Northern California	City of Redding	3.53
MB	MT	Mary Taylor Drop	In Development	Exemption	Conventional	14294	Montana	Turnbull Hydro, LLC	0.89
	MT	Clark Canyon Dam	In Development	License	Conventional	14677	Montana	Clark Canyon Hydro, LLC	4.70
	MT	Gibson Dam	In Development	License	Conventional	12478	Montana	Gibson Dam Hydroelectric Company, LLC.	15.00
C-PN	ID	Fargo Drop No. 2	In Development	Exemption	Conventional	5040	Snake River	Boise Project Board of Control	0.18
	ID	Main Canal No. 10	In Development	Exemption	Conventional	5041	Snake River	Boise Project Board of Control	0.50
	ID	Main Canal No. 6	In Development	Exemption	Conventional	5038	Snake River	Boise Project Board of Control	1.06
	ID	Waldvogel Bluff	In Development	Exemption	Conventional	5043	Snake River	Boise Project Board of Control	0.30
	ID	Mason Dam Hydro	In Development	License	Conventional	12686	Snake River	Baker County	3.40
	OR	Owyhee Pumped Storage Project	In Development	Preliminary Permit	Pump Storage	15006	Snake River	Owyhee Energy Storage, LLC	600.00
Lease of Power Privilege									
MB	CO	Carter Lake Outlet	Online		Conventional		Eastern Colorado	Northern Water Conservancy District	2.60
	CO	Pueblo Dam	Online		Conventional	LP11-4	Eastern Colorado	Southeastern Colorado Water Conservancy District	7.01
	CO	Granby Dam	Online		Conventional	LP11-3	Eastern Colorado	Northern Water Conservancy District	1.20
UCB	CO	Grand Valley Project	Online		Conventional		Western Colorado	Grand Valley Water Users Association and the Orchard Mesa Irrigation District	3.00
	CO	Jackson Gulch Dam	Online		Conventional		Western Colorado	Mancos Water Conservancy District	0.26
	UT	Jordanelle Dam	Online		Conventional		Provo	Central Utah Water Conservancy District and Heber Light and Power	13.00
	CO	Lemon Dam	Online		Conventional		Western Colorado	Florida Water Conservancy District	0.12
	CO	Ridgway Dam	Online		Conventional		Western Colorado	Tri-County Water Conservancy District	7.00
	CO	Shavano Falls (Drop 6)	Online		Conventional		Western Colorado	Uncompahgre Valley Water Users Association	2.80
	CO	South Canal (Drop 1)	Online		Conventional		Western Colorado	Uncompahgre Valley Water Users and the Delta-Montrose Electric Association	4.00
	CO	South Canal (Drop 3)	Online		Conventional		Western Colorado	Uncompahgre Valley Water Users and the Delta-Montrose Electric Association	3.50
	CO	South Canal (Drop 4)	Online		Conventional		Western Colorado	Uncompahgre Valley Water Users Association	4.80
	CO	South Canal (Drop 5)	Online		Conventional		Western Colorado	Uncompahgre Valley Water Users Association	2.40
	CO	Grand Valley (Vinelands)	Online		Conventional		Western Colorado	Grand Valley Water Users Association and the Orchard Mesa Irrigation District	4.90
	CO	Taylor Park Dam	Online		Conventional	LP20-1	Western Colorado	Taylor River Hydro, LLC	0.50
C-GB	OR	Klamath Canal Drop C	Online		Conventional		Klamath Basin	Klamath Irrigation District	0.90
MB	MT	Arnold Coulee Drop	In Development	Contract	Conventional		Montana	Greenfields Irrigation District	2.50
	MT	Yellowtail Afterbay	In Development	Preliminary Lease	Conventional		Montana	Crow Tribe	9.00
	MT	Pishkun Inlet	In Development	Preliminary Lease	Conventional		Montana	Greenfields Irrigation District	2.40
CPN	ID	Black Canyon Main Canal	In Development	Preliminary Lease	Conventional		Columbia Cascades	Black Canyon Irrigation District	0.14

Regional Hydropower Generating Capacity Portfolios

Project updates noted in bold (e.g., new projects, capacity uprates, or permitting status updates from previous reported quarter).
Projects terminated or removed within the reported quarter are noted in strikethrough.

Region	State	Facility	Status	Permitting Status	Hydropower Type	FERC Project Docket	Reclamation Area Office	Operating Entity	Capacity (MW)
	OR	North Unit Main Canal	In Development	Request for Development	Conventional		Snake River	TBD (project initiated by North Unit Irrigation District)	0.54
	OR	North Unit Main Canal - Redmond Energy Resiliency Project	In Development	Request for Development	Conventional		Snake River	TBD (project initiated by North Unit Irrigation District)	1.50
	WA	Banks Lake Pumped Storage Project (Roosevelt Lake)	In Development	Public Solicitation Posted	Pump Storage		Columbia Cascades	TBD (project initiated by Columbia Basin Hydropower)	500.00

Dual Federal Energy Regulatory Commission and Lease of Power Privilege - Pumped Storage

MB	WY	Seminole Pumped Storage Project*	In Development	FERC Preliminary Permit	Pump Storage	14787	Wyoming	Black Canyon Hydro, LLC	972.00
	WY	Seminole Pumped Storage Project*	In Development	LOPP Preliminary Lease	Pump Storage		Wyoming	Black Canyon Hydro, LLC	972.00
C-PN	ID	Anderson Ranch*	In Development	FERC Preliminary Permit	Pump Storage	14655	Columbia Cascades	Cat Creek Energy, LLC	400.00
	ID	Anderson Ranch*	In Development	LOPP Preliminary Lease	Pump Storage		Columbia Cascades	Cat Creek Energy, LLC	400.00
UCB	UT	Energy Storage Station Pumped Storage Project (Lake Powell)	In Development	FERC Preliminary Permit	Pump Storage	15001	UCB Power Office	Navajo Energy Storage Station, LLC	2,210.00

* Dual FERC and LOPP permitting tracks for pumped storage project components.