

QUESTION ON NOTICE

No. 1221

asked on 28 October 2022

MRS D FRECKLINGTON ASKED THE MINISTER FOR REGIONAL DEVELOPMENT AND MANUFACTURING AND MINISTER FOR WATER (HON G BUTCHER)—

QUESTION:

Will the Minister outline the total water storage capacity available in state owned infrastructure like dams (reported separately by asset and year from 2015 to present)?

ANSWER:

There are 59 state owned referable dams and 56 offstream storages and weirs listed below showing the Full Supply Capacity (FSL) for each asset and any changes in FSL since 2015.

Additional water storage capacity will be provided with the rebuild of Paradise Dam to its original 300,000 ML capacity (restoring 129,571 ML) and completion of the 86,000 ML Rookwood Weir. Rookwood Weir will be the largest weir in Queensland, and the largest built in Australia since WWII.

In addition, all dams with temporary full supply levels below full capacity will be restored to full capacity once works are completed with a reinstatement of:

- Callide Dam 83,902 ML
- Cooloolabin Dam 5,617 ML
- North Pine Dam 68,780 ML
- Somerset Dam 77,100 ML
- Wivenhoe Dam 236,240 ML.

That is a total reinstatement of 471,639 ML.

Further, there is a considerable lead time between commencing to evaluate water infrastructure proposals and delivery of the completed project, and it needs to be noted that there are many dam and weir projects under active consideration across the state, which will see additional storage capacity added, in coming years. These include:

- Consideration of raising Wivenhoe Dam, in conjunction with dam improvement program works
- Examination of Emu Swamp dam delivery options and costs, as part of the Southern and Darling Downs regional water assessment
- Evaluation of the detailed business case for raising of Burdekin Falls Dam
- Implementation of the Lower Mary Offstream storage.

Lastly, just as the raw figures in the table below do not provide a full and accurate picture, this Government has an active program of promoting the more efficient use of water, including in water supply schemes.

These programs aim to increase the benefit to be delivered from the water available, and effectively “create” more water. Examples include:

- The Mareeba-Dimbulah Water Supply Scheme Efficiency Improvement project modernised the current water supply scheme, including the replacement of around 14 kilometres of pipeline. The project has improved water distribution efficiency and increased water availability by more than 8,300 ML through reduced losses.
- Through the Queensland water markets optimisation action plan the government is maximising the value and availability of our water resources to deliver economic benefits while protecting rivers and streams. Key actions include:
 - Encouraging more trading of unused water
 - Assisting investors locate water for development or expansion
 - Improve visibility of market activity information
 - Provide live and interactive mapping of water trading opportunities
 - Connect water users by supporting water brokerage.
- The Regional Water Assessment Program will set a roadmap for economic growth in three of Queensland’s significant food bowls – Southern and Darling Downs, Bundaberg and Burnett, and Tablelands. Building on previous water supply investigations in each region, the program is taking a comprehensive view of local water needs and identifying gaps to be filled. Once complete, the assessments will set out how existing infrastructure, new infrastructure and non-infrastructure solutions can be used to maximise water supply in each area and drive economic growth.
- Advocacy and support to Queensland’s water service providers, so that they invest in demand management programs such as active network leak prevention and water conservation education for customers.

Name	Dam Owner	Full Supply Volume 2022 (ML)	Change since 2015	Type
Bjelke-Petersen Dam	SunWater Limited	134,900	No Change	Referable dam
Boondooma Dam	SunWater Limited	204,200	No Change	Referable dam
Burdekin Falls Dam	SunWater Limited	1,860,000	No Change	Referable dam
Callide Dam	SunWater Limited	136,000	Temporary FSL 52,098ML to enable radial gates improvements.	Referable dam
Cania Dam	SunWater Limited	88,580	No Change	Referable dam
Coolmunda Dam	SunWater Limited	69,090	No Change	Referable dam
EJ Beardmore Dam	SunWater Limited	81,800	No Change	Referable dam
Eungella Dam	SunWater Limited	112,400	No Change	Referable dam
Fairbairn Dam	SunWater Limited	1,301,000	No Change	Referable dam
Fred Haigh Dam	SunWater Limited	562,045	No Change	Referable dam
Isis Balancing Storage	SunWater Limited	6,160	No Change	Referable dam
Julius Dam	SunWater Limited	107,500	No Change	Referable dam
Kinchant Dam	SunWater Limited	65,875	No Change	Referable dam
Kroombit Dam	SunWater Limited	14,600	No Change	Referable dam

Name	Dam Owner	Full Supply Volume 2022 (ML)	Change since 2015	Type
Leslie Dam	SunWater Limited	106,250	No Change	Referable dam
Moura Offstream Storage	SunWater Limited	2,820	No Change	Referable dam
Paradise Dam	SunWater Limited	300,000	Temporary FSL 170,429 to enable dam safety work on the dam wall. Works underway to restore dam to original 300,000 ML capacity.	Referable dam
Peter Faust Dam	SunWater Limited	491,400	No Change	Referable dam
Teemburra Dam	SunWater Limited	147,600	No Change	Referable dam
Tinaroo Falls Dam	SunWater Limited	438,920	No Change	Referable dam
Woongarra Balancing Storage	SunWater Limited	1,225	No Change	Referable dam
Wuruma Dam	SunWater Limited	165,400	No Change	Referable dam
Meandu Creek Dam	Stanwell Corporation Ltd	3,000	No Change (not used for water supply)	Referable dam
Tarong Power Station - Cooling Water Dam	Stanwell Corporation Ltd	3,000	No Change (not used for water supply)	Referable dam
Stanwell Water Supply Dam	Stanwell Corporation Limited	1,900	No Change (not used for water supply)	Referable dam
Copperfield River Gorge Dam	Queensland Government Dept of Resources	20,600	No Change	Referable dam
Corella Dam	Queensland Government Dept of Resources	10,500	No Change	Referable dam
Crooks Dam	Queensland Government Dept of Resources	1,045	No Change	Referable dam
Glen Niven Dam	Queensland Government Dept of Resources	185	In 2019 upgrade increased from 179ML to 185ML	Referable dam
Atkinson Dam	Queensland Bulk Water Supply Authority	30,488	No Change	Referable dam
Baroon Pocket Dam	Queensland Bulk Water Supply Authority	61,000	No Change	Referable dam
Bill Gunn Dam	Queensland Bulk Water Supply Authority	6,947	No Change	Referable dam
Borumba Dam	Queensland Bulk Water Supply Authority	46,000	No Change	Referable dam
Bromelton Off-Stream Storage	Queensland Bulk Water Supply Authority	8,210	No Change	Referable dam
Cedar Pocket Dam	Queensland Bulk Water Supply Authority	735	No Change	Referable dam
Clarendon Dam	Queensland Bulk Water Supply Authority	24,276	No Change	Referable dam

Name	Dam Owner	Full Supply Volume 2022 (ML)	Change since 2015	Type
Cooloolabin Dam	Queensland Bulk Water Supply Authority	13,800 ML	Temporary FSL to 8,183. Slot cut in spillway in December 2015 to comply with Dam Safety Failure Risk Guidelines.	Referable dam
Enoggera Dam	Queensland Bulk Water Supply Authority	4,567	No Change	Referable dam
Ewen Maddock Dam	Queensland Bulk Water Supply Authority	16,587	No Change	Referable dam
Gold Creek Dam	Queensland Bulk Water Supply Authority	801	No Change	Referable dam
Hinze Dam	Queensland Bulk Water Supply Authority	310,700	No Change	Referable dam
Lake MacDonald Dam	Queensland Bulk Water Supply Authority	8,018	No Change	Referable dam
Lake Manchester Dam	Queensland Bulk Water Supply Authority	26,217	No Change	Referable dam
Leslie Harrison Dam	Queensland Bulk Water Supply Authority	13,206	No Change	Referable dam
Little Nerang Dam	Queensland Bulk Water Supply Authority	6,705	No Change	Referable dam
Maroon Dam	Queensland Bulk Water Supply Authority	44,319	No Change	Referable dam
Moogerah Dam	Queensland Bulk Water Supply Authority	83,765	No Change	Referable dam
North Pine Dam	Queensland Bulk Water Supply Authority	214,302	Temporary FSL 145,522. Dam is being operated at 68% of capacity from 2019 until infrastructure upgrade completed.	Referable dam
Poona Dam	Queensland Bulk Water Supply Authority	655	No Change	Referable dam
Sideling Creek Dam	Queensland Bulk Water Supply Authority	14,192	No Change	Referable dam
Somerset Dam	Queensland Bulk Water Supply Authority	379,849	Temporary FSL 302,749. Dam being operated at 80% of capacity from 2020 until infrastructure upgrade completed.	Referable dam
Wappa Dam	Queensland Bulk Water Supply Authority	4,694	No Change	Referable dam
Wivenhoe Dam	Queensland Bulk Water Supply Authority	1,165,240	Temporary FSL 929,000ML in place at 80% capacity until	Referable dam

Name	Dam Owner	Full Supply Volume 2022 (ML)	Change since 2015	Type
			28/2/2023 to improve Flood Mitigation outcomes. Otherwise, Dam being operated at 90% of 1,165,240 ML capacity from 2020 until infrastructure upgrade completed.	
Wyaralong Dam	Queensland Bulk Water Supply Authority	102,883	No Change	Referable dam
Glenlyon Dam	Jointly owned by QLD and NSW Governments - Border Rivers Commission	254,000	No Change	Referable dam
Awoonga Dam	Gladstone Area Water Board	777,000	No Change	Referable dam
Koombooloomba Dam	CleanCo Queensland Limited	186,750	No Change (not used for water supply)	Referable dam
Splityard Creek Dam	CleanCo Queensland Limited	28,700	No Change (not used for water supply)	Referable dam
Swanbank Cooling Water Dam	CleanCo Queensland Limited	863	No Change (not used for water supply)	Referable dam
Alan Tannock Weir	SunWater Limited	4,772	No Change	Weir / Offstream storage
Avis Weir	SunWater Limited	250	No Change	Weir / Offstream storage
Bazely Weir	SunWater Limited	75	No Change	Weir / Offstream storage
Bedford Weir	SunWater Limited	19,973	No Change	Weir / Offstream storage
Ben Anderson Barrage	SunWater Limited	30,300	No Change	Weir / Offstream storage
Bingegang Weir	SunWater Limited	8,060	No Change	Weir / Offstream storage
Blue Valley Weir	SunWater Limited	3,820	No Change	Weir / Offstream storage
Bowen River Weir	SunWater Limited	943	No Change	Weir / Offstream storage
Bruce Weir	SunWater Limited	970	No Change	Weir / Offstream storage
Bucca Weir	SunWater Limited	11,605	No Change	Weir / Offstream storage
Buckinbah Weir	SunWater Limited	5,120	No Change	Weir / Offstream storage
Cecil Plains Weir	SunWater Limited	700	No Change	Weir / Offstream storage
Chinchilla Weir	SunWater Limited	9,780	No Change	Weir / Offstream storage
Clare Weir	SunWater Limited	15,900	No Change	Weir / Offstream storage
Claude Wharton Weir	SunWater Limited	8,079	No Change	Weir / Offstream storage

Name	Dam Owner	Full Supply Volume 2022 (ML)	Change since 2015	Type
Collins Weir	SunWater Limited	600	No Change	Weir / Offstream storage
Dulbil Weir	SunWater Limited	271	No Change	Weir / Offstream storage
Dumbleton Weir	SunWater Limited	6,108	No Change	Weir / Offstream storage
Eden Bann Weir	SunWater Limited	35,983	No Change	Weir / Offstream storage
Giru Weir	SunWater Limited	1,025	No Change	Weir / Offstream storage
Glebe Weir	SunWater Limited	17,706	No Change	Weir / Offstream storage
Goondiwindi Weir	SunWater Limited	1,800	No Change	Weir / Offstream storage
Gorge Weir	SunWater Limited	9,095	No Change	Weir / Offstream storage
Granite Creek Weir	SunWater Limited	244	No Change	Weir / Offstream storage
Gyranda Weir	SunWater Limited	16,499	No Change	Weir / Offstream storage
Jack Taylor Weir	SunWater Limited	10,270	No Change	Weir / Offstream storage
Joe Sippel Weir	SunWater Limited	712	No Change	Weir / Offstream storage
John Goleby Weir	SunWater Limited	1,691	No Change	Weir / Offstream storage
Jones Weir	SunWater Limited	3,868	No Change	Weir / Offstream storage
Kirar Weir	SunWater Limited	9,529	No Change	Weir / Offstream storage
Kolan Barrage	SunWater Limited	4,020	No Change	Weir / Offstream storage
Leafgold Weir	SunWater Limited	260	No Change	Weir / Offstream storage
Lemon Tree Weir	SunWater Limited	305	No Change	Weir / Offstream storage
Marian Weir	SunWater Limited	3,985	No Change	Weir / Offstream storage
Mary Barrage	SunWater Limited	12,000	No Change	Weir / Offstream storage
Mirani Weir	SunWater Limited	2,730	No Change	Weir / Offstream storage
Monto Weir	SunWater Limited	25	No Change	Weir / Offstream storage
Moolabah Weir	SunWater Limited	2,565	No Change	Weir / Offstream storage
Moura Weir	SunWater Limited	7,700	No Change	Weir / Offstream storage
Mulgildie Weir	SunWater Limited	330	No Change	Weir / Offstream storage
Mungindi Weir	SunWater Limited	730	No Change	Weir / Offstream storage
Ned Churchward Weir	SunWater Limited	29,508	No Change	Weir / Offstream storage
Neil Turner Weir	SunWater Limited	1,470	No Change	Weir / Offstream storage

Name	Dam Owner	Full Supply Volume 2022 (ML)	Change since 2015	Type
Neville Hewitt Weir	SunWater Limited	10,646	No Change	Weir / Offstream storage
Selma Weir	SunWater Limited	1,180	No Change	Weir / Offstream storage
Silverleaf Weir	SunWater Limited	580	No Change	Weir / Offstream storage
Solanum Weir	SunWater Limited	345	No Change	Weir / Offstream storage
Talgai Weir	SunWater Limited	638	No Change	Weir / Offstream storage
Tartrus Weir	SunWater Limited	12,000	No Change	Weir / Offstream storage
Theodore Weir	SunWater Limited	4,760	No Change	Weir / Offstream storage
Tinana Barrage	SunWater Limited	4,750	No Change	Weir / Offstream storage
Val Bird Weir	SunWater Limited	615	No Change	Weir / Offstream storage
Whetstone Weir	SunWater Limited	506	No Change	Weir / Offstream storage
Yarramalong Weir	SunWater Limited	390	No Change	Weir / Offstream storage
Youlambie Weir	SunWater Limited	143	No Change	Weir / Offstream storage
GAWB Offstream water storage facility	Gladstone Area Water Board	1,100	Commissioned in 2018	Weir / Offstream storage