

## QUESTION ON NOTICE

No. 717

asked on Wednesday, 15 July 2020

**MR D LAST** ASKED THE MINISTER FOR NATURAL RESOURCES, MINES AND ENERGY (HON DR A LYNHAM)—

QUESTION:

With reference to Queensland's dam improvement programs

Will the Minister outline (a) a list of SunWater's current prioritised projects as listed in the Portfolio Risk Assessment, including the individual current status, estimated costs and construction periods of each project, (b) a list of Seqwater's current prioritised projects as listed in the Portfolio Risk Assessment including the individual current status, estimated costs and construction periods of each project and (c) the total amount budgeted and spent on dam safety/improvements in 2018-19, 2019-20 and 2020-21?

ANSWER:

(a) The table below lists Sunwater's prioritised projects as listed in its Portfolio Risk Assessment:

Dam Improvement Projects	Estimated Total Cost (\$M)	Construction Period
<b><i>Currently under construction</i></b>		
Fairbairn Dam	169.5	2016–2020
Paradise Dam (Essential Works)	100	2020–2021
<b><i>Detailed Business Case</i></b>		
Paradise Dam	TBD	TBD
Burdekin Falls Dam	TBD	TBD
<b><i>Strategic Assessment</i></b>		
Teemburra Dam	TBD	2023
Coolmunda Dam	TBD	2023

TBD=To be determined

(b) The table below lists Seqwater's prioritised projects as listed in its Portfolio Risk Assessment:

Dam Improvement Projects	Estimated Total Cost (\$M)	Construction Period
<b><i>Currently under construction</i></b>		
Ewen Maddock Dam (Stage 2A)	24.5	2021–2022
<b><i>Procurement for construction</i></b>		
Lake Macdonald Dam	127.3 <sup>1</sup>	2021–2023
<b><i>Planning and approvals for construction</i></b>		
Ewen Maddock Dam (Stage 2B)	TBD	TBD
<b><i>Detailed Business Case</i></b>		
Somerset Dam	TBD	TBD
<b><i>Strategic Assessment</i></b>		
North Pine Dam	TBD	TBD
Wivenhoe Dam	TBD	TBD
<b><i>Risk assessments to be undertaken 2022-23</i></b>		
Maroon Dam	TBD	TBD

Little Nerang Dam	TBD	TBD
Baroon Pocket Dam	TBD	TBD
Atkinson Dam	TBD	TBD
Moogerah Dam	TBD	TBD
<b>Additional planning considerations</b>		
Borumba Dam	TBD	TBD
Nindooindah Dam	TBD	TBD

<sup>1</sup>Based on approved detailed business case. Final costs will be confirmed following tender process.

Dam are life-long assets and require ongoing monitoring and maintenance to ensure modern safety standards are met for extreme weather events.

Dam improvement projects are prioritised through a Portfolio Risk Assessment (PRA) process which is reviewed and updated each year.

When a dam is identified as requiring improvements through the PRA process, the improvement options, preferred design and construction methodology are developed, and assessed, through a robust business case and investment process. Projects with a value greater than \$50 million are developed through the Building Queensland Business Case Development Framework.

This process ensures State investment into dam improvement projects provides value for money, safe life-long infrastructure, and long-term water security.

The timing of projects that are earlier in the planning process is uncertain because the timing and duration of construction depends on the preferred design option which is developed through the business case process. This is why construction dates and cost estimates for some projects in early planning stages cannot be provided.

- (c) The table below shows total budgets and actual expenditure for dam safety projects in 2018-19, 2019-20 and 2020-21.

The underspend for Sunwater in 2018–19 was mainly due to the Burdekin Falls Dam business case being put on hold while further geotechnical investigations were undertaken. The Burdekin Falls Dam has now recommenced as a combined business case with the Burdekin Falls Dam Raising project.

The overspend for Seqwater in 2018–19 was related to additional planning and preparatory works required for three dam improvement projects.

The 2019–20 figures are estimated actuals however the expected Sunwater overspend is due to Paradise Dam Emergency Works project.

	Year	Budget (\$M)	Actual (\$M)
<b>Sunwater</b>	2018-19	53.1	40
	2019-20	36.39	42.89
	2020-21	105.4	Not available
	Year	Budget (\$M)	Actual (\$M)
<b>Seqwater</b>	2018-19	24.6	37.9
	2019-20	24.8	14.2
	2020-21	55.4	Not available