

NSW Irrigators Council Snowy Hydro Update

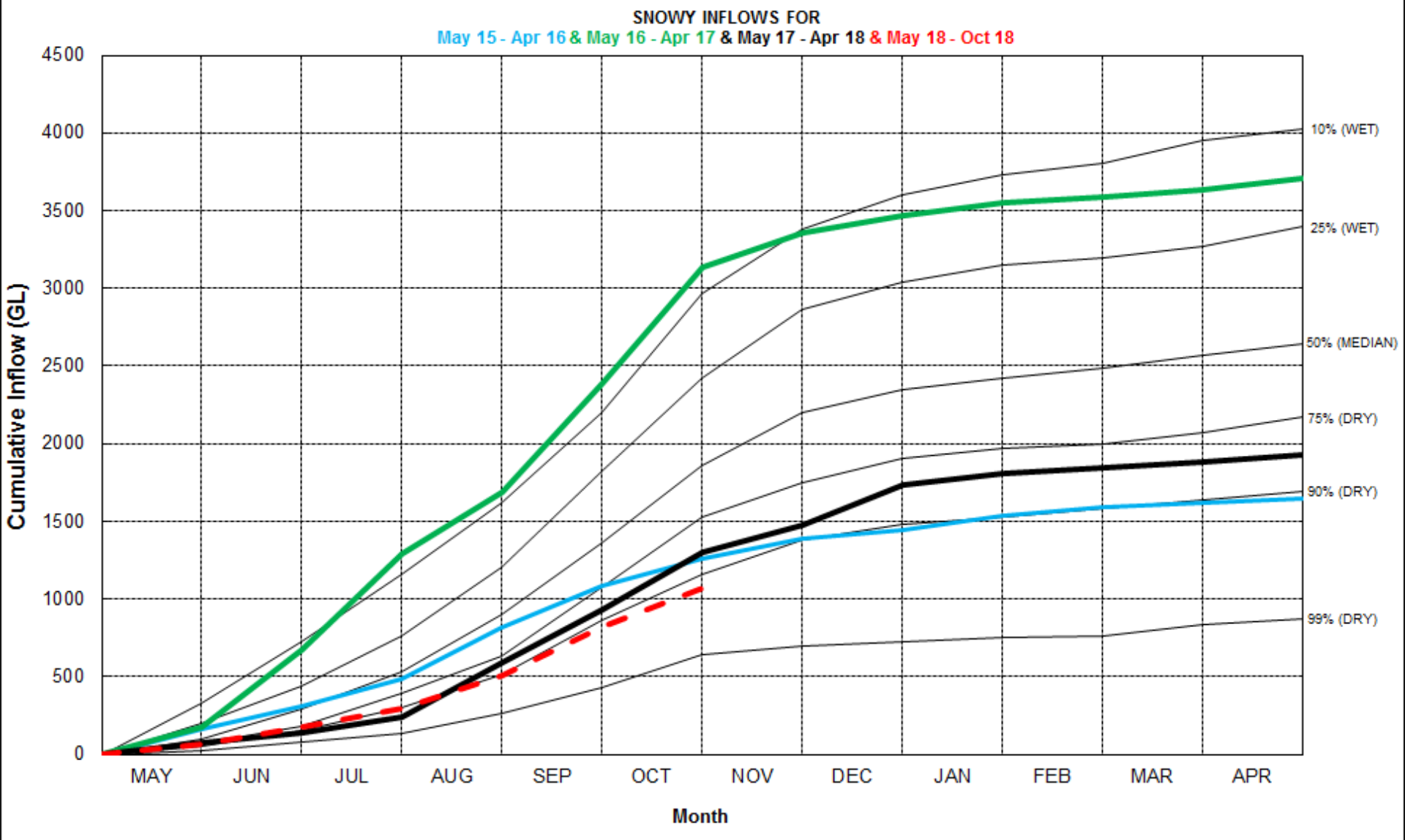
James Pirozzi - Manager Weather & Water
November 2018





- Resource updates
 - Inflows
 - Snowpack
 - Cloud seeding
 - Storages
 - Releases
- Next year projections
- Other matters of interest
- Q&A

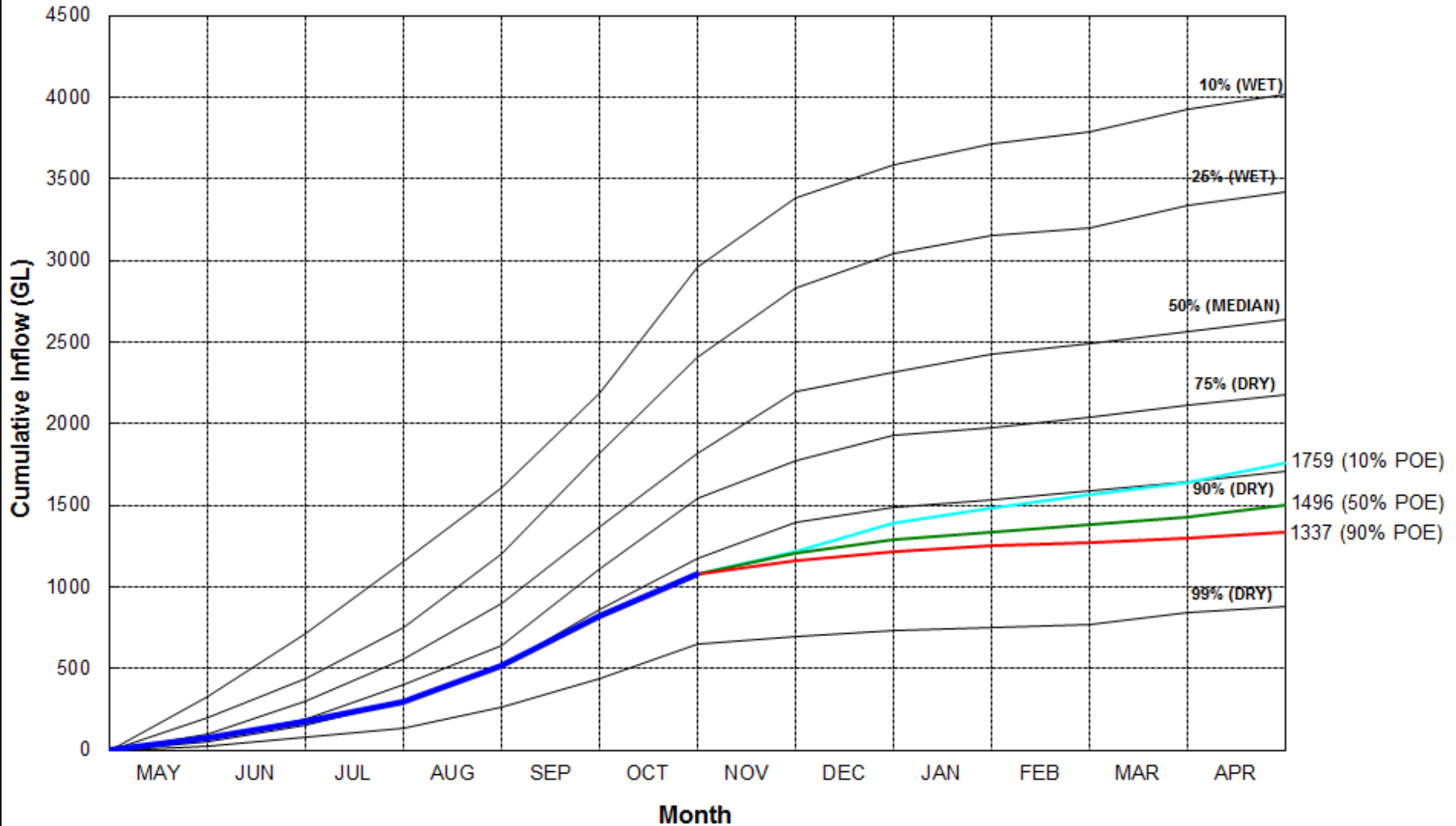
How Much Water Did We Receive?



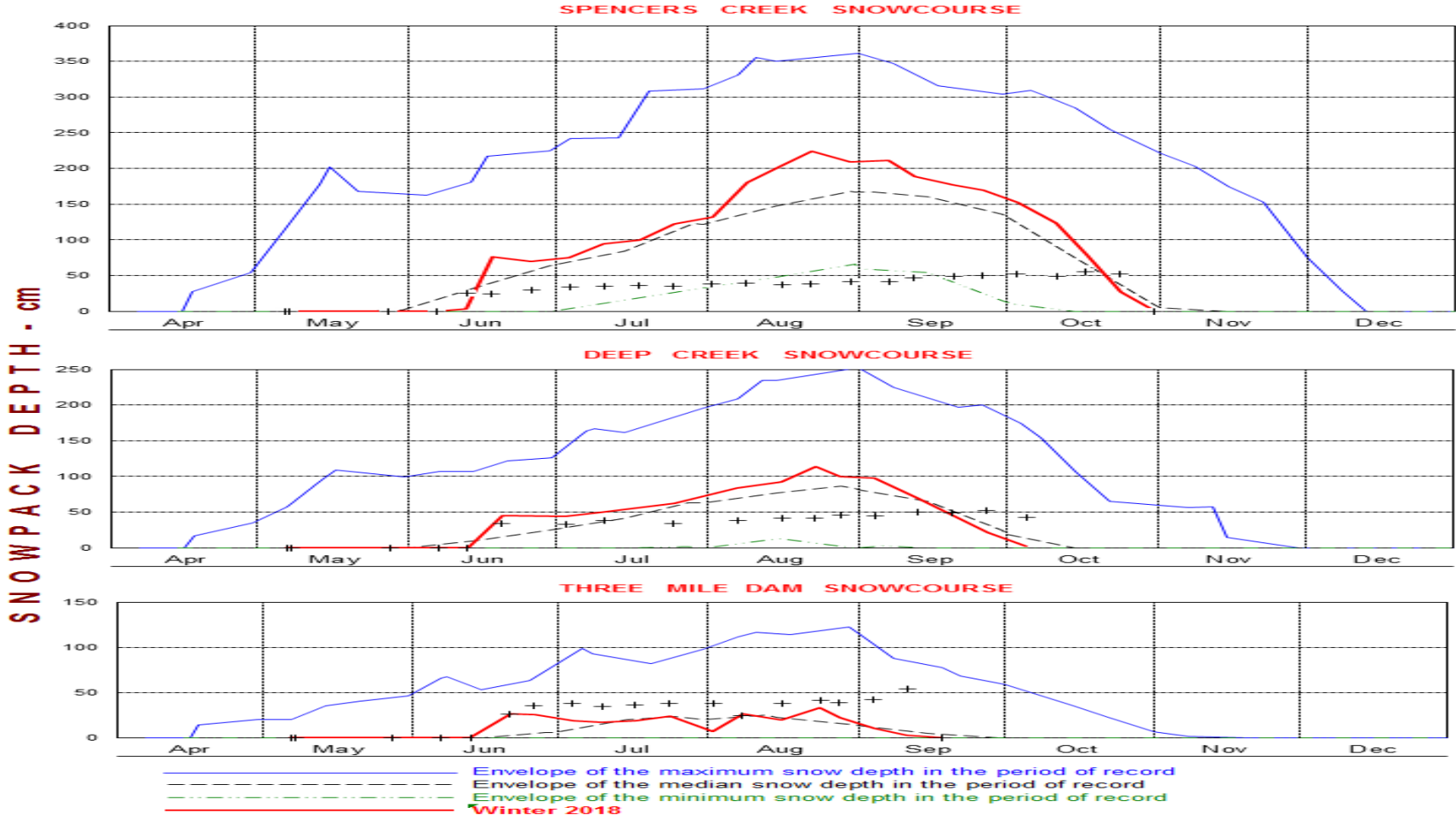
Inflow Forecast



SNOWY SCHEME INFLOWS INCLUDING PROJECTIONS TO APR 2019



Winter 2018 Snow Depth Chart



Snowcourse	Elevation	Period of Record	Maximum Envelope Peak Year	Maximum Envelope Peak cm	Minimum Envelope Peak Year	Minimum Envelope Peak cm
Spencers Creek	1830 m	1954 - 2017	1981	361.0	1969	65.6
Deep Creek	1620 m	1957 - 2017	1981	252.0	1973	12.7
Three Mile Dam	1460 m	1955 - 2017	1956	122.4	1955	0.0

Cloud Seeding



- 22 operational blocks over 112 hours of operation during winter 2018
- Equivalent to ~20 GL of additional water in the scheme
- Slightly above average seeding opportunities this year

How Much Water Do We Have In Storage?



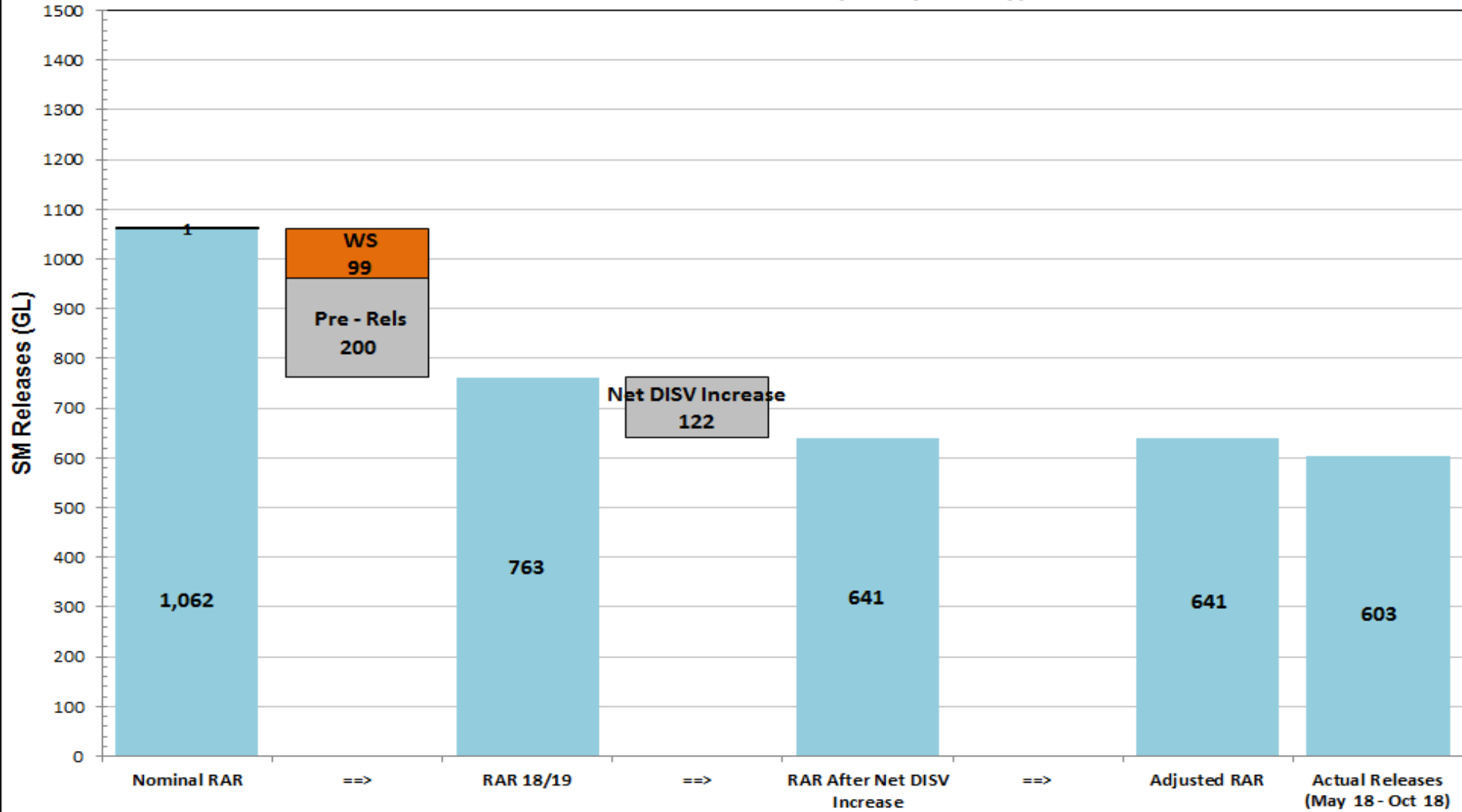
Total Snowy storage = 23.4%, Eucumbene = 17.0% @ 05/11/18

	Snowy Murray	Snowy Tumut	Total
BTW Including DISV Reserve	194	675	869
ATW (Including ATW Reserve)	225	150	375
Active Storage	419	825	1244

2018-2019 Releases for Snowy-Murray Development



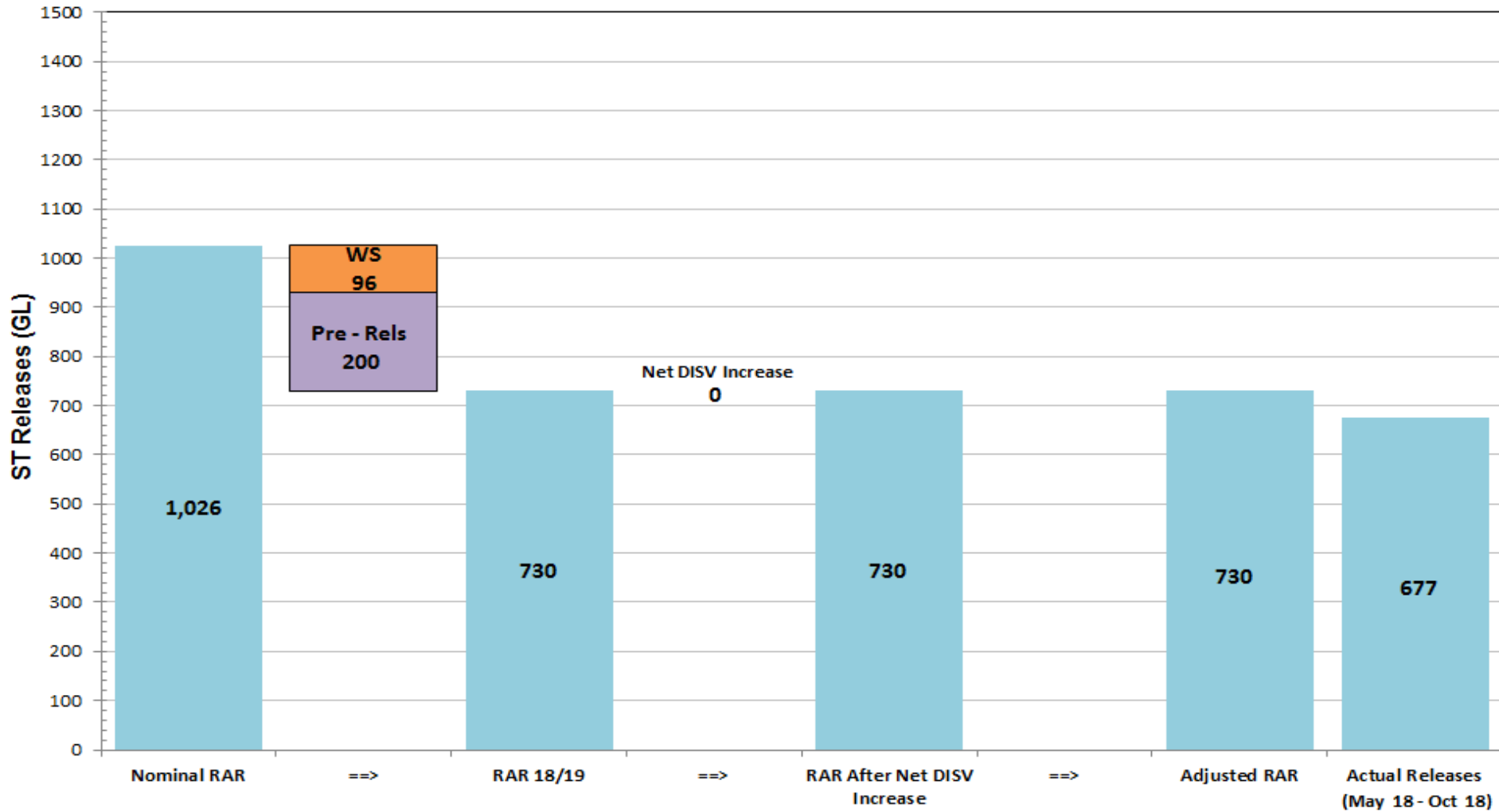
Releases for 2018 - 19 (Snowy Murray)



2018-2019 Releases for Snowy-Tumut Development



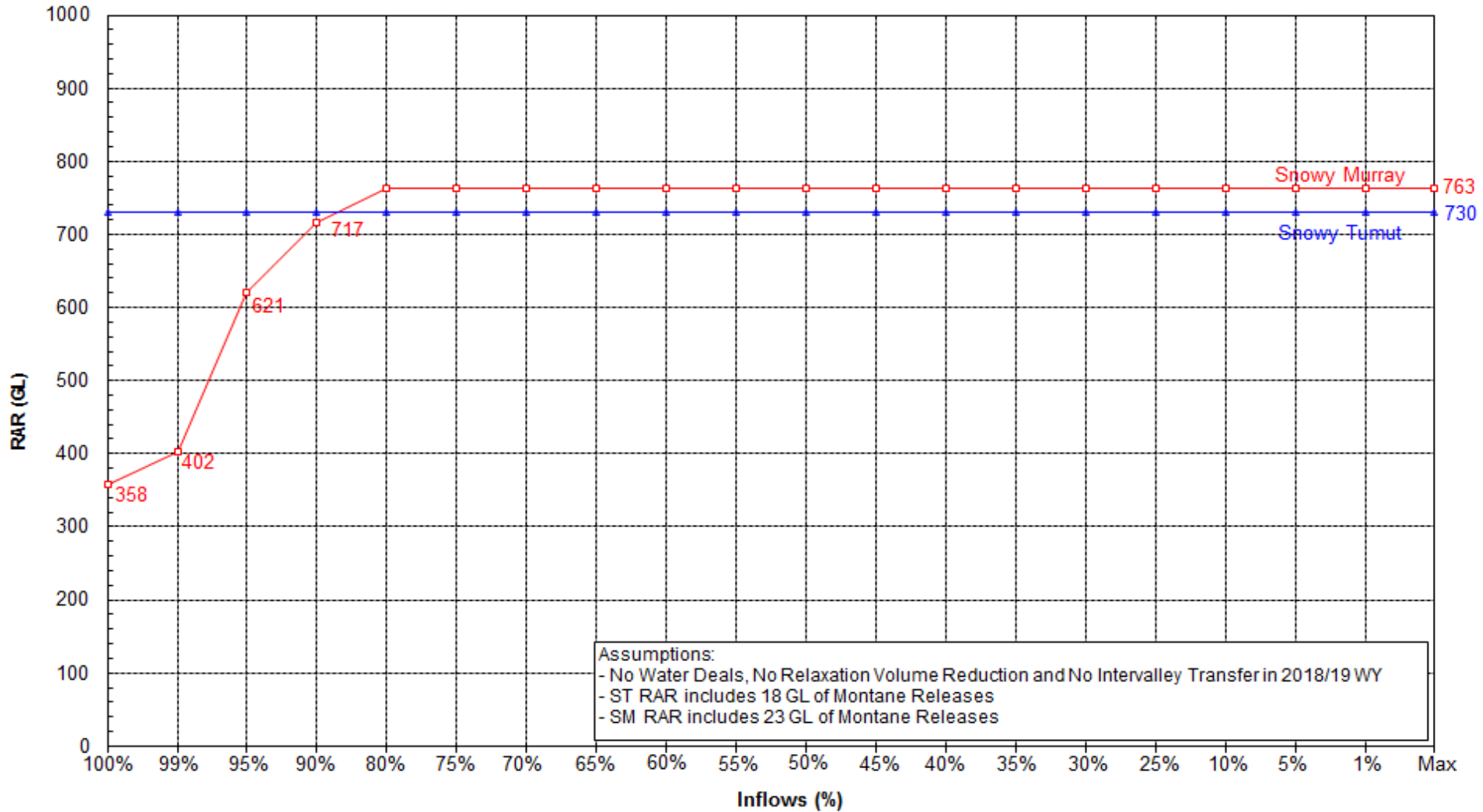
Releases for 2018 - 19 (Snowy Tumut)



Impact of DISV



Minimum Required Annual Releases 18/19 with Inflows in (%)



2019-20 Water Year Outlook



- Large Starting DISV = lower starting allocations (up to ~800 & 400 GL for SM & ST respectively)
- Wetter than 90% in 2019-20 will see ST DISV clear
- SM needs wetter than 45% to clear DISV next year
- Crystal ball won't improve significantly until ~ June 2019.

What else?



- Snowy 2.0 FID expected December 2018
- Renewable program – 888 MW of wind and Solar in NSW & Vic
- Snowy Water Licence Review

