

UPPER NAMOI, LOWER NAMOI AND PEEL REGULATED WATER SOURCES

Water allocation updates

NSW Department of Industry—Lands & Water | S. Chowdhury | Narrabri, 22 August 2018

This talk

Water allocation updates

- Key statistics of 2017–18 water year
- State of current water resources
- Lower Namoi resources
- Peel resources
- Actual available water determination computations are market-sensitive—but there should be no surprises
- NSW Department of Industry—Lands & Water determines water allocation.
- WaterNSW delivers the allocated water.

Relevant information

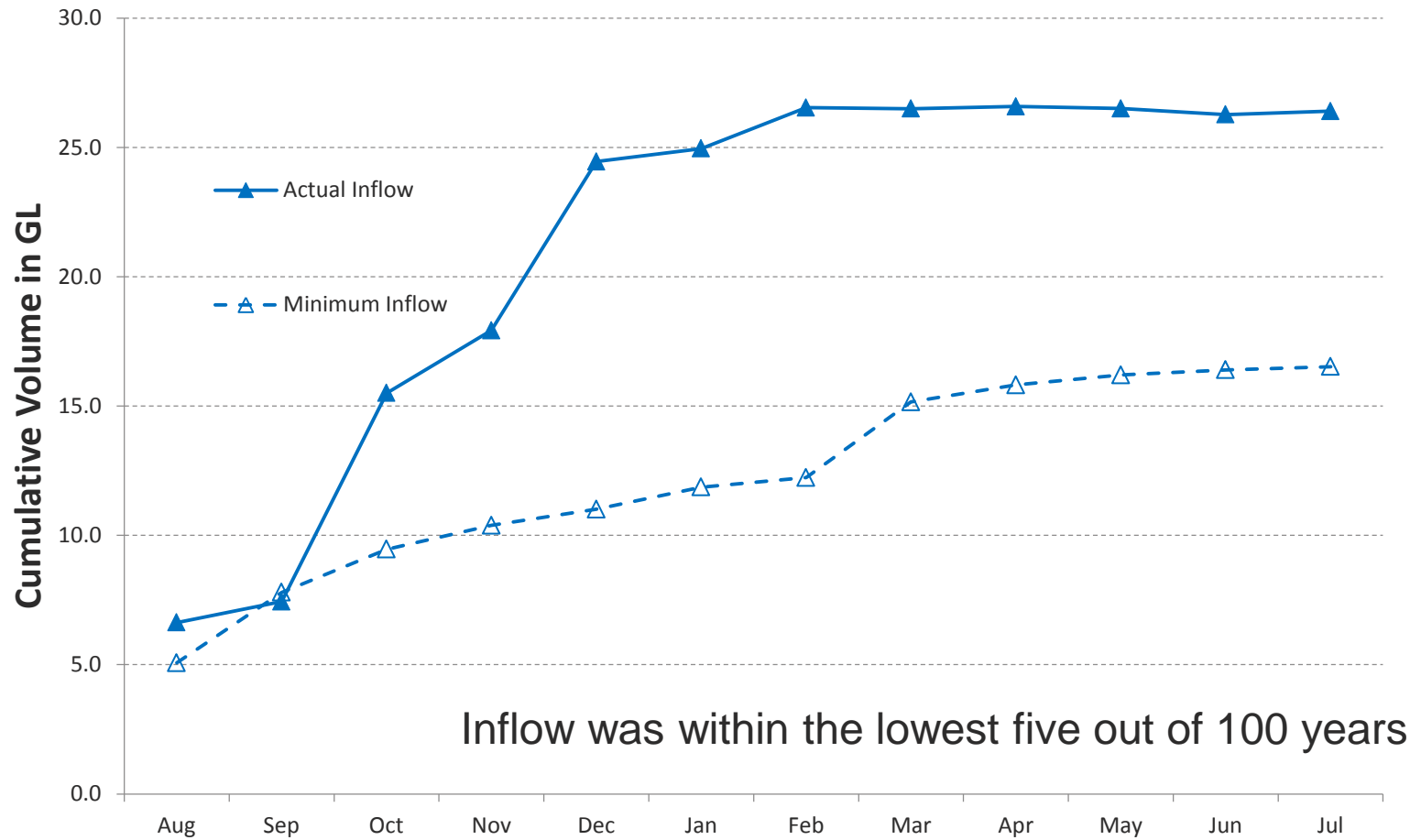
Namoi resources

- 2017–18 inflow was among the lowest in five out of 100 years.
- 2017–18 transmission loss was higher than the budgeted volume.
- General security delivery loss account has been empty since January 2018.
- The estimated deficit in the last assessment was 63 GL.
- There is not enough water to deliver general security commitment in full.
- Climate outlook is for a dry winter and spring.
- Transmission loss and evaporation assessments need closer scrutiny.
- We are trialling a shorter allocation statement from this water year.
- Routine allocation statement is usually published on the fifth working day of each month.

Resource distribution as at 1 August 2018

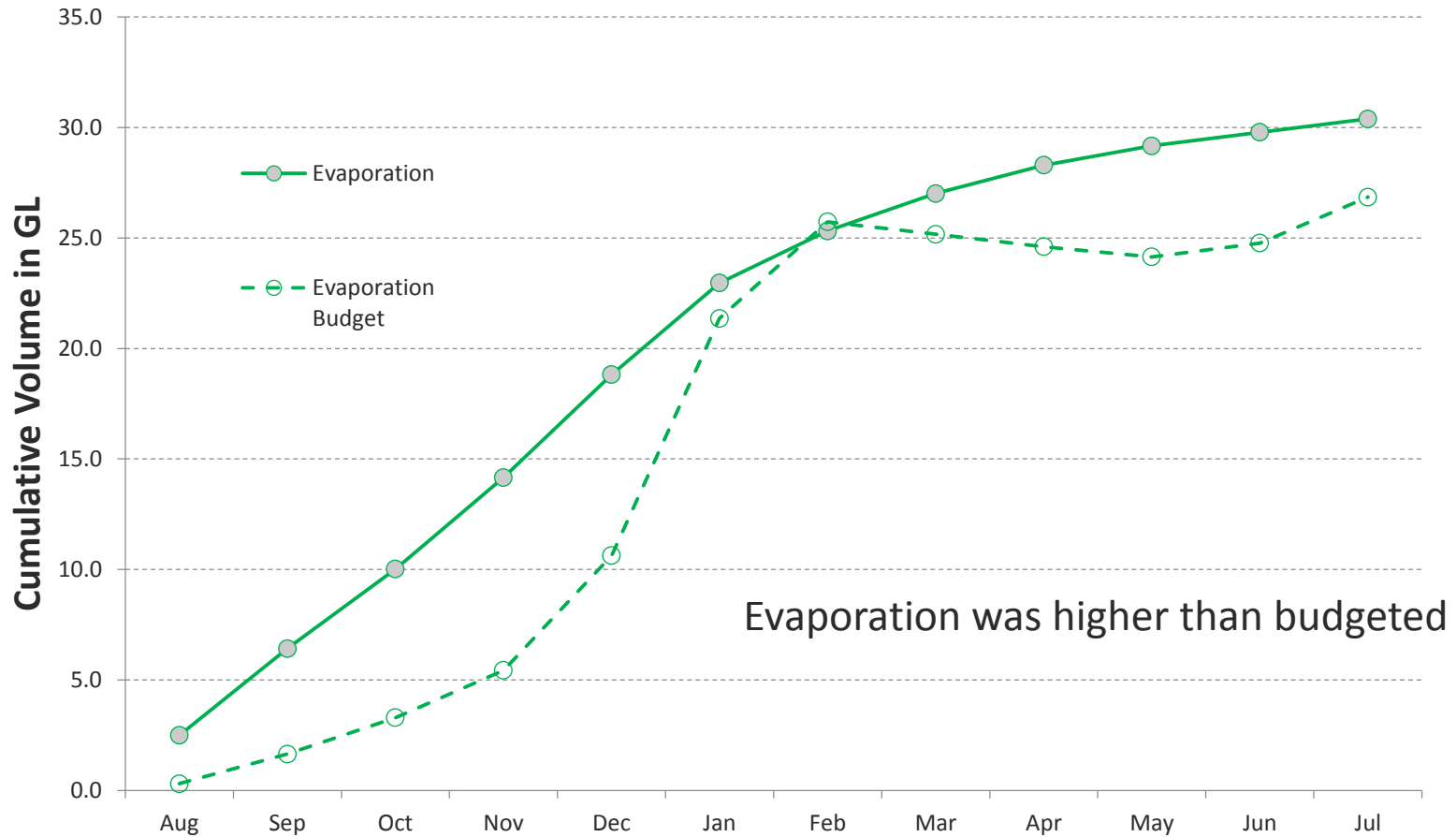
Volumes in GL	Target	1 August 2018	Shortfalls
Storage loss	29.66	15.84	13.82
Essential supplies	58.24	26.12	32.12
Upper Namoi–Manilla River		10.93	
Delivery loss	17.40	0.00	17.40
General security irrigation		47.08	
Peel trade account		0.00	
Additional resource for sharing		0.00	
Total		99.97	63.33

Namoi resource deficit

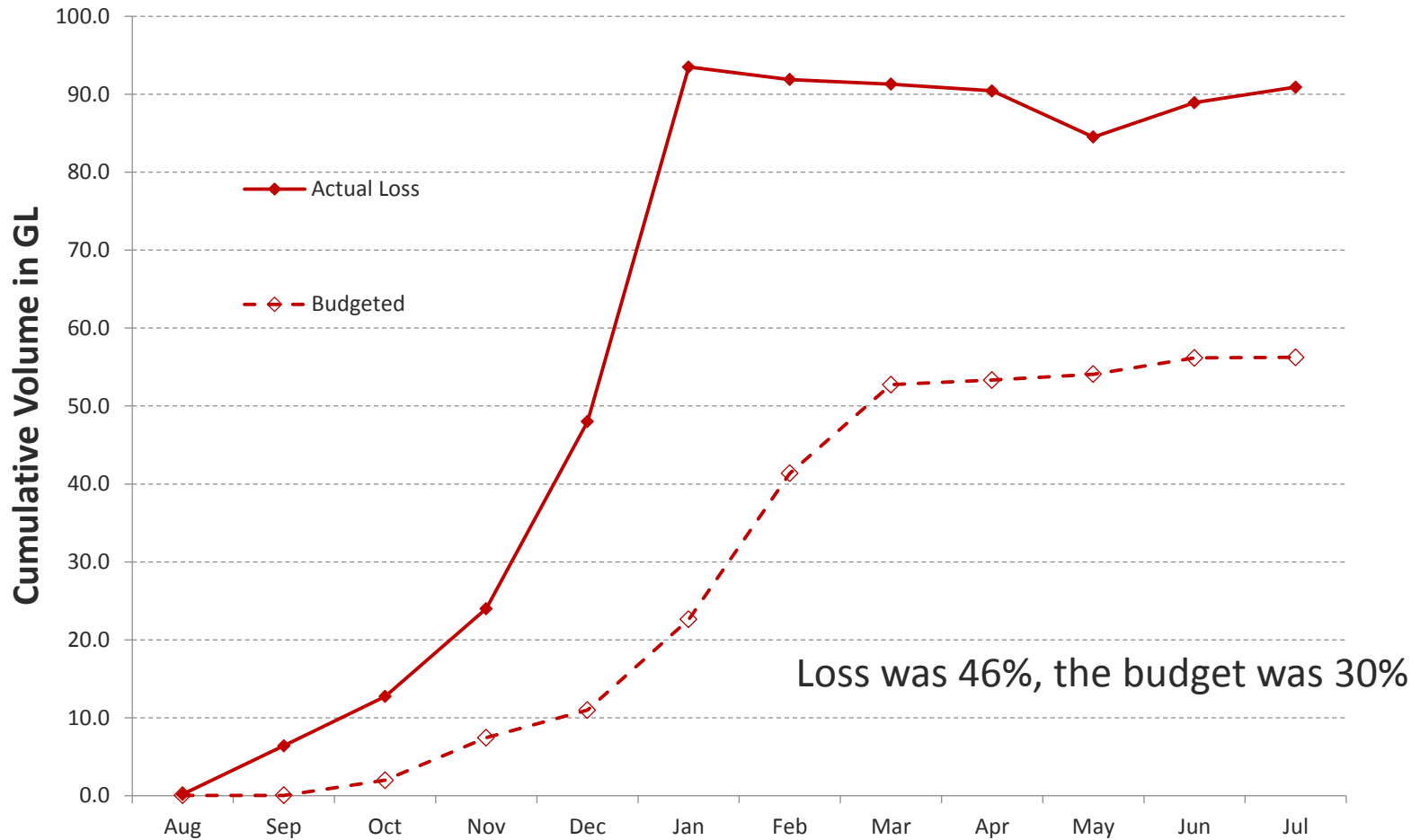


Inflow was within the lowest five out of 100 years

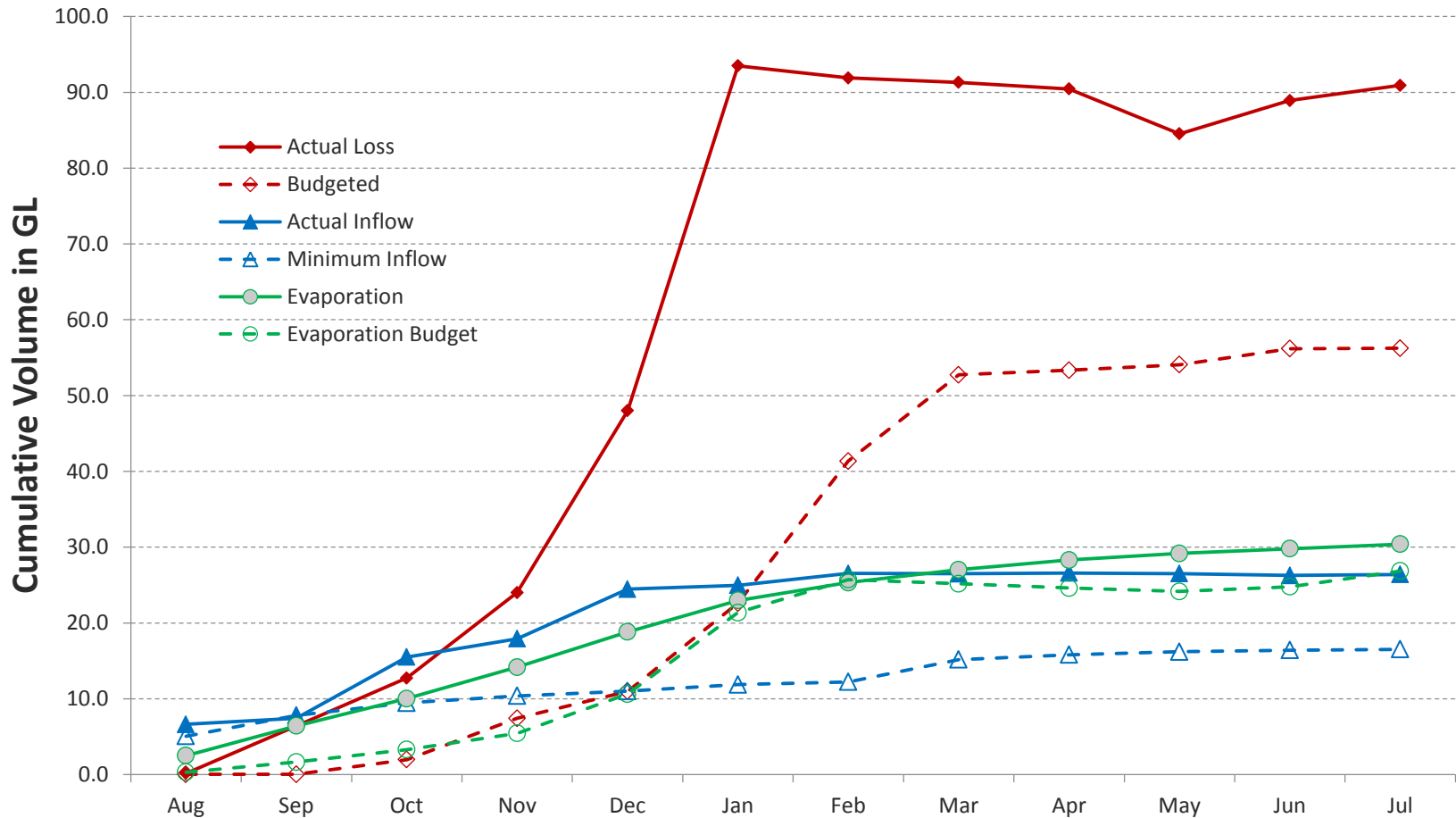
Namoi resource deficit



Namoi resource deficit



Namoi resource deficit



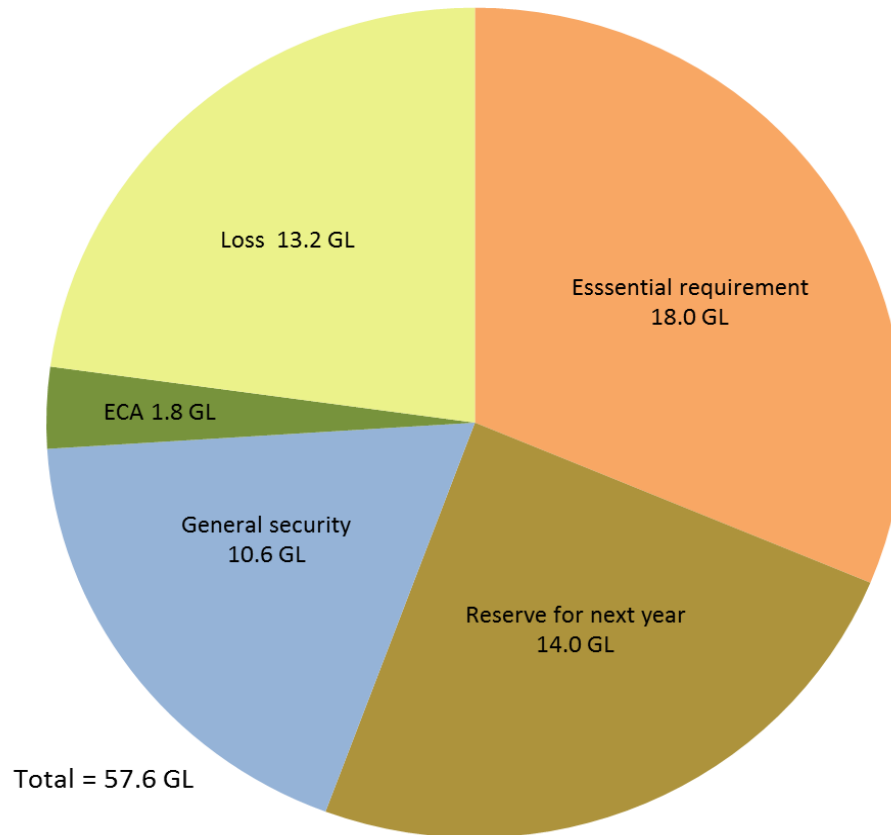
Relevant information

Peel resources

- 2017–18 inflow was among the lowest five out of 100 years.
- January to June transmission loss was 60%, and the same was 48% when averaged over 2018–19.
- Opening general security allocation of 29% was based on allocating full 16.4 GL to Tamworth City.
- Insignificant rainfall since July, storage is falling fast.
- General security allocation increased to 36% on 16 August 2018 as Tamworth agreed to redistribute its 4.9 GL allocation.
- Water allocation statement now contains more information.

Resource distribution as at 1 August 2018

Resource Distribution (August 2018 to June 2019)



Relevant information

Peel resources

- Realistic budget of loss will ensure the availability of allocated water.
- We shall assess resources regularly as the year progresses.
- New statement will be issued in case of any future increment.

Opening allocation*

Peel resources

- Opening allocation is sensitive to predicted loss.
- Indicative opening general security allocation for two LWU[^] options.

Chaffey volume	100 GL	80 GL	60 GL	40 GL
Reduced LWU—dry	100	74	36	0
Reduced LWU—wet	100	94	52	8
WSP (water sharing plan) rule—dry	98	60	22	0
WSP rule—wet	100	80	38	0

*indicative only, should not be relied upon to make individual decision. [^]local water utility

Closing remarks

- Up-to-date water allocation statements are available on the department's website:
industry.nsw.gov.au/water/allocations-availability/allocations/statements
- Statements contain tables, charts and notes with explanations.
- Allocations follow the water sharing plan rules.
- The plan ensures security of essential supply through the repeat of the worst known drought on record during the commencement of the plan.