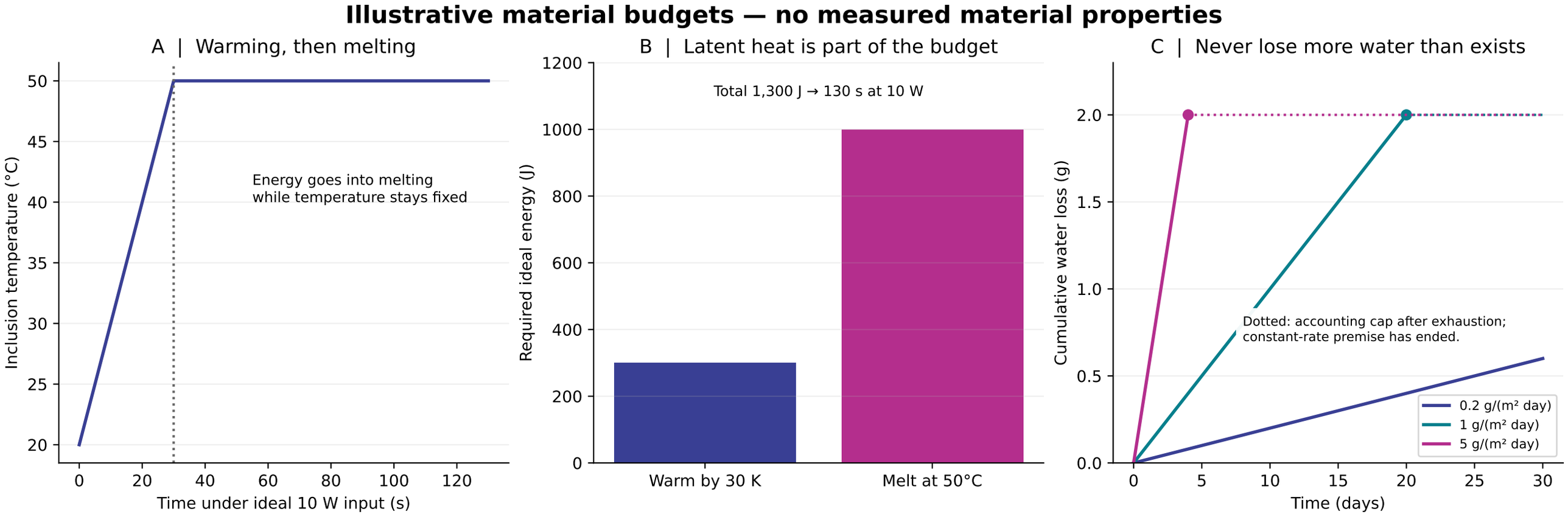

Illustrative material budgets — no measured material properties
A | Warming, then melting
Inclusion temperature (°C)
Time under ideal 10 W input (s)
Energy goes into melting
while temperature stays fixed
B | Latent heat is part of the budget
Required ideal energy (J)
Total 1,300 J → 130 s at 10 W
Warm by 30 K
Melt at 50°C
C | Never lose more water than exists
Cumulative water loss (g)
Time (days)
Dotted: accounting cap after exhaustion;
constant-rate premise has ended.
0.2 g/(m² day)
1 g/(m² day)
5 g/(m² day)
Heating: 20 g hypothetical inclusion. Moisture: 0.1 m² intact film, 2 g available water; hypothetical rates at fixed conditions.