

Tier-1 deployed capacity and near-term projections

Q3 2024

Allocation assumptions

- Non-GridPP Disk allocation for FY25/26:
 - IRIS 3819TB – 635TB phase out + 1500TB new.
 - RFI 7000TB – No change
 - LSST 4000TB – No change
- We have received £90k (inc VAT) from IRIS for their increase.

FY24/25 Spend Plan A

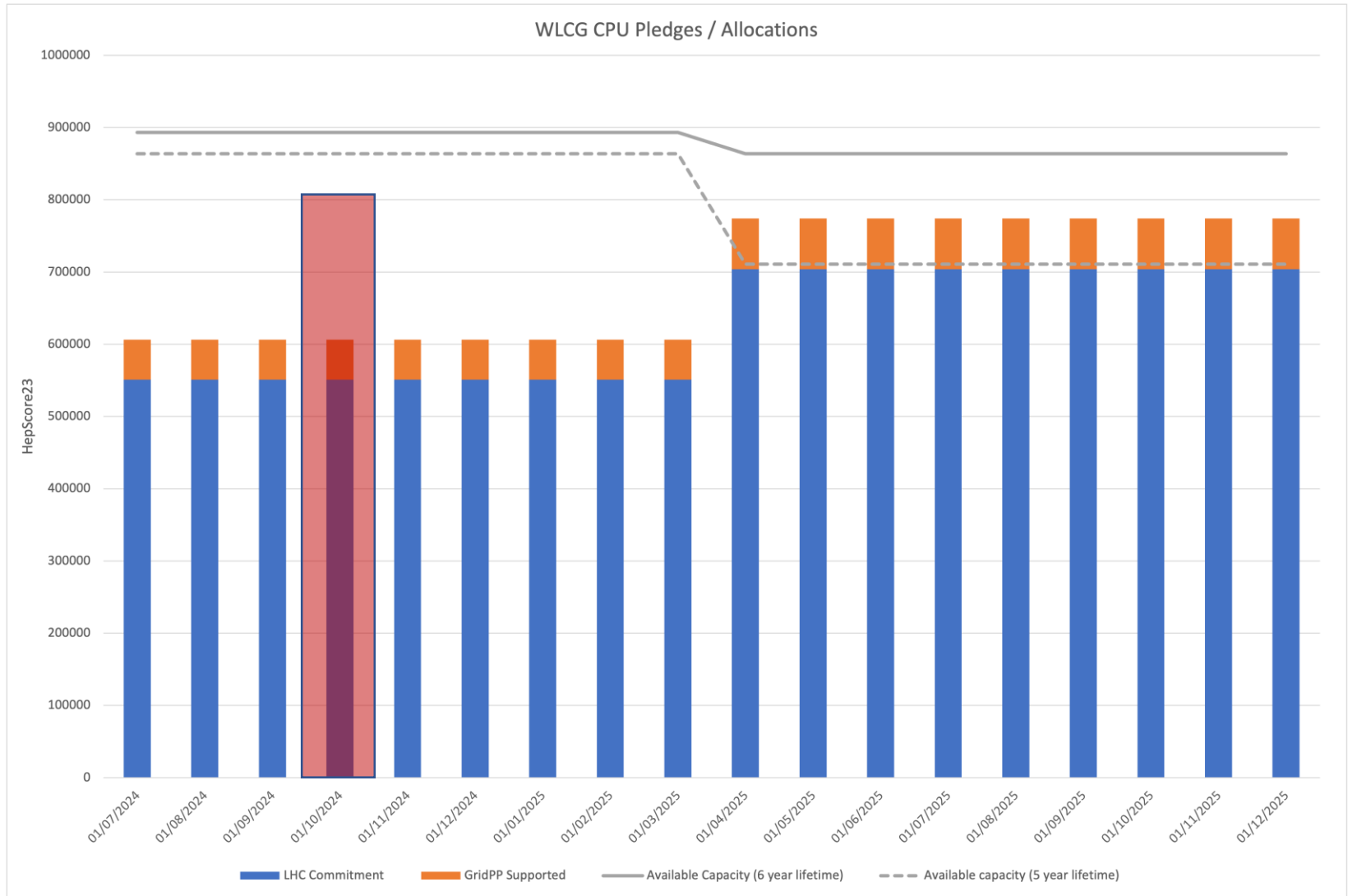
- GridPP7 plan allocated £955k (inc VAT) Capital this year.
- Need to buy 18PB usable disk.
 - 16.5PB for GridPP 1.5PB for IRIS
- If we assume 5% price drop we can afford 14.5PB.
 - If we keep 90% Dell18 running for 6 years instead of 5.5 years we should be ok.

Item	Tier-1 Costs			
	Cost (ex VAT)	Cost (inc VAT)	Requisition Number	Purchase Order
Tape Media	£43,245.03	£51,894.04	600372101	4070376520
Tape Media 2	£170,071.20	£204,085.44	600378870	4070382104
CVMFS Stratum-1	£47,600.00	£57,120.00	600382104	4070385498
EOS	£74,225.41	£89,070.49	600388287	
Disk	£460,691.69	£552,830.03	600386513	
GridPP Spend	£795,833.33	£955,000.00		

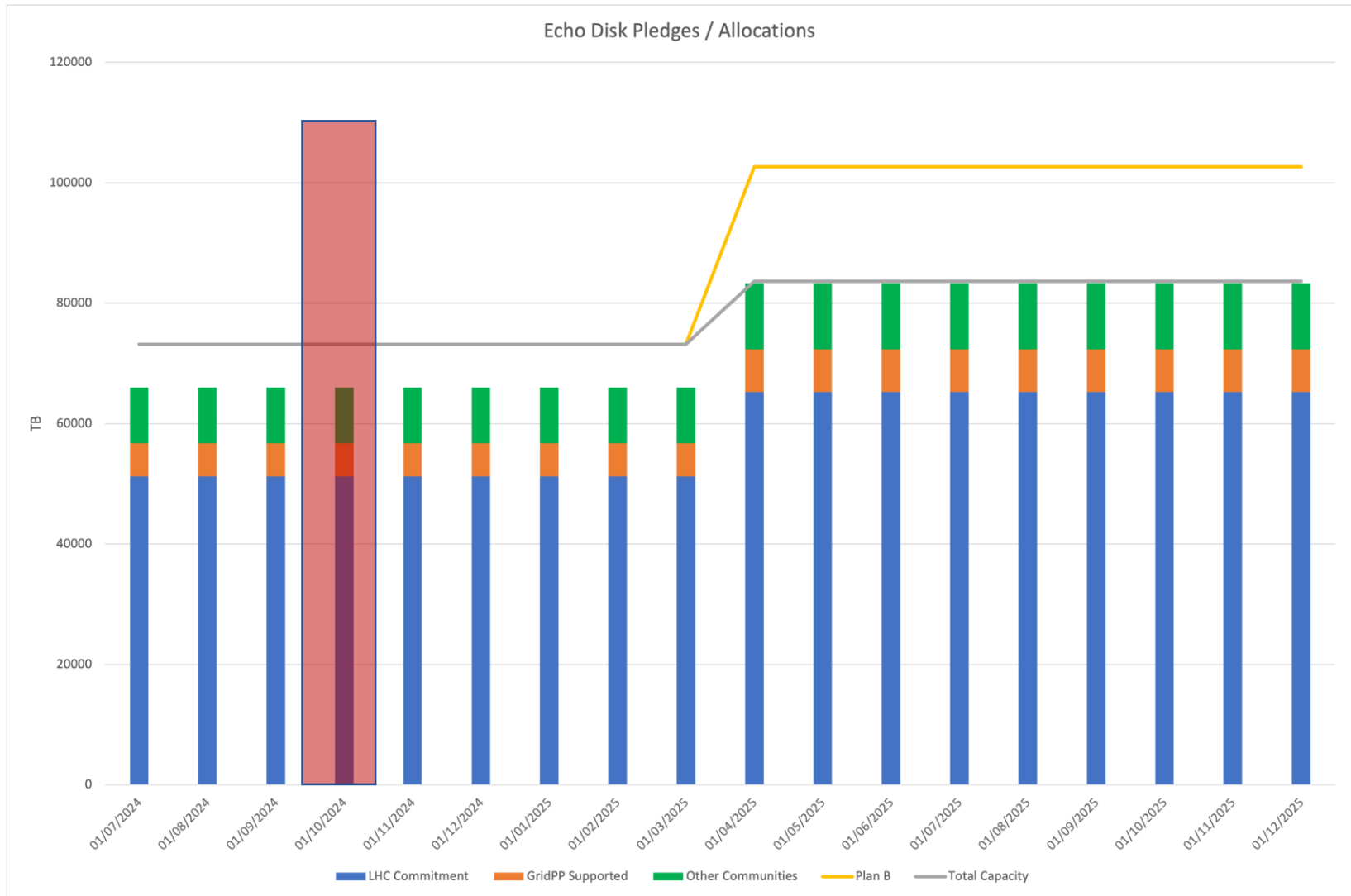
FY24/25 Spend Plan B

- There is a chance that we might be asked to bring next years spend forward.
 - Plan where Tier-1 gets up to £2.6million
- Additional money would go towards:
 - 8 x TS1170 Tape Drives and 65PB media
 - Increase Disk tender (as much as possible)
 - Capitalise next years Tape maintenance
- Tape hardware would be £810k inc VAT.
 - Enterprise media is ~12% better value than anticipated:
 - £8.95 / TB reality
 - £10.18 / TB estimated
 - EOS nodes cheaper than expected but unexpected CVMFs Stratum-1 cost cancels out.
- Additional £840k inc VAT for Disk will get another 19PB usable capacity.
- Maintenance could be another £0.5million inc VAT

Tier-1 CPU Pledges / Allocations



Echo Disk Pledges / Allocations



WLCG Tape Pledges / Allocations

