

EFC Movements and Planned vs Forecast Scope

- 1.1 Table B1 provides an overview of the key EFC movements from the last submissions to this submission to the Committee. It also reports the deliverables up to December 2021 against those forecast in the last submissions.
- 1.2 The key drivers behind the EFC variance is the introduction of new APCD Fleet projects (£52m) which is in line with the LTCP; and increase in materials costs (£20.6m) for the FHO Programme.
- 1.3 The renewals projects flex scope depending on asset condition (State of Good Repair) and changes in network performance. Therefore, the project scope in these Programmes will change more over time than standard build projects, and the EFC will reflect the different scope. Increases or decreases in EFC are more than cost overruns or efficiencies, it responds to changing asset and market conditions.

Table B1 - Overview of the key EFC movements

	Key EFC Movements				Deliverables against Committed in last submission		
	Programmes/Projects	EFC - Last submission	EFC - This submission	Variance	EFC Commentary	Planned	Completed
FHO	Jubilee, Victoria and Piccadilly line fleets	289.20	298.89	9.69	Materials costs increase including floats	Jub line: 4 programme lifts, confirm door scope Vic line: 14 programme lifts, commence catch back, commence couplers overhaul Pic line: 13 life extensions, 26 door overhauls, 13 traction motor overhauls, 26 new floorings, 40 new seating	Jub line: 0 programme lifts, indicative scope complete Vic line: 14 programme lifts, 90% catch back complete, coupler overhaul not started Pic line: 11 life extensions, 25 door overhauls, 4 traction motor overhauls, 25 new floorings, 40 new seating
	District, Circle, Hammersmith & City line fleets	139.80	138.71	-1.09	Maturity in project scope	Place S7/S8 combined orders, commence S7 materials procurement,	S7/S8 orders 90% complete, S7 materials procurement plan created.
	Bakerloo line and Metropolitan line	146.30	155.35	9.05	Rolling overhaul for additional 2027/28	Met line: 24 programme lifts, confirm door overhaul scope. Bak line: 11 programme lifts, 3 heavy overhauls.	Met line: 4 programme lifts, indicative door scope complete Bak line: 11 programme lifts, 3 heavy overhauls.
	Rail Adhesion Train Overhauls	3.90	4.97	1.07	Condition assessments	2 nd overhaul complete.	2 nd overhaul complete.
	Live projects Sub-Totals	579.20	597.92	18.72			
	Central line DC Motors Overhaul	0.0	4.30	4.30	New projects	-	-

Appendix 2

Fleet	Central line Improvement Programme (inc Programme Lift)	525.47	525.57	0.10	Risk maturity	Commission new TMU workshop, and start first train production	TMU Workshop commissioned, completed static testing and included CLIP Seats
	Bakerloo line RVAR	40.26	41.48	1.22	Risk maturity and prolongation (COVID-19, resource, and supplier performance)	Installed LED lighting, wheelchair bay and grab poles on eight trains	One train fitted with wheelchair bay and grab poles, LED lighting and Passenger Information System.
	Train Cab J-Door Security Improvements and JUMP	49.60	36.05	-8.78	Train Cab J-Door security, JUMP driven by maturing project scope.	Complete feasibility study for JUMP and remobilise Cab Security project after the COVID-19 'safe stop'	JUMP completed feasibility stage and preparing concept design
	Other projects with no EFC change or closing	88.50	88.50	-	Jubilee Mid-life, Bakerloo weld repairs, Met line RAT	Closed	Closed
	Live projects Sub-Totals	703.83	691.60	-7.47			
	Vic & Jub lines Obsolescence Management	0.0	52.10	52.10	New projects	-	-

Appendix 2

Engineering Vehicles	Locomotive Capability	187.60	187.20	-0.40	Excludes future year estimates	Feasibility study and commercial strategies	Completed feasibility study
	EV Overhauls	36.70	34.15	-2.55	Maturity in project scope	Overhaul 6 locomotives, 80 wagons and 7.5ton cranes	Locomotives: 2 overhauls, completed all asbestos removal; 54 wagons and one 7.5ton crane overhauled
	Remote Track Monitoring (RTM)	17.00	23.90	6.90	Includes 2027/28	RTM Contract award and complete TRV overhauls	TRV overhauls and 4LM Mitigation solution completed
	Mechanised Renewal Vehicle (MRV)	25.30	24.00	-1.30	Efficiencies from in-house LU delivery	MRV prototype trials in 2021	Completed on-site trials in LU network and in Ruislip Depot
	Engineers Vehicle Depot Enabling - Ruislip	8.80	5.95	-2.85	Maturity in project scope	Design depot redevelopment and commence work on site	Track works started as planned; and collaborated with Lillie Bridge Depot redevelopment project
	Other projects with no EFC change or closing	39.90	40.64	0.70	Mod P&C and New Wagons	Complete new CRRC wagon testing and start mass production; Operate Modular P&C system in open sections of LU SSL railway	Completed repairs of the seven pre-production wagons only; Mod P&C system obtained full Ruislip depot operation
	Ward Couplers Modification	0.0	1.14	1.14	New project	-	Completed feasibility study
	Live projects Sub-Totals	315.30	316.98	1.64			
	TRV, Tamper and Braking Solution	30.0	34.87	4.87	New projects	-	-

+ PL: Programme Lift