

Cost Item	Option B.4 (Gate 2) £m	Option B.4 (Gate 3 Preferred) £m	Option B4 (Gate 3 Back-up) £m	Option B.4 (Gate 3 Preferred) £m Estimate Base Dec '23	Option B4 (Gate 3 Back-up) £m Estimate Base Dec '23
	Estimate Base Q2 '21	Estimate Base Dec '23	Estimate Base Dec '23		
Infra WRP (Site 72) to Otterbourne Pipeline	£ 44.48	£ 64.91	£ 64.91	£ 64,905,771	£ 64,905,771
Infra HAVANT to WRP 72 Tunnel	£ 48.21	£ -	£ 132.14	£ -	£ 132,143,637
Infra WRP to BHS Pipe Jack	£ -	£ 27.31	£ -	£ 27,312,596	£ -
Infra WRP to Havent Thicket Pipeline Open Cut	£ 7.31	£ -	£ -	n/a	n/a
Infra WRP72 to Purbrook Tunnel	£ -	£ 155.90	£ 155.90	£ 155,904,775	£ 155,904,775
Infra Itchen Crossing - Pipe Jack	£ -	£ 34.07	£ 34.07	£ 34,072,498	£ 34,072,498
Infra Pipework at HTR, Havant & Purbrook Tunnels	£ -	£ -	£ 16.92	£ -	£ 16,919,414
Infra Pipework WRP to BHS & Purbrook Tunnel	£ -	£ 7.11	£ 0.18	£ 7,110,488	£ 179,215
Infra Havant Pipeline with Pipe Jack Scope	£ -	£ 40.58	£ -	£ 40,577,151	£ -
Non-Infra WRP - Non Infrastructure Capex	£ 42.99	£ 140.95	£ 140.95	£ 140,952,944	£ 140,952,944
Non-Infra Budds Farm - Option B2 - Pipe Jack	£ 2.76	£ 29.34	£ 29.34	£ 29,342,728	£ 29,342,728
Non-Infra Budds Farm HLPs	£ 5.05	£ 2.26	£ 2.26	£ 2,262,691	£ 2,262,691
Non-Infra Pump Stations & Break Pressure Tank	£ 6.19	£ 17.45	£ 17.45	£ 17,450,191	£ 17,450,191
Net direct costs (including uncertainty)	£ 156.98	£ 519.89	£ 594.13		
Contractor Indirects	£ 51.59	£ 155.86	£ 178.12	£ 155,863,572	£ 178,121,333
Additional Project Costs	£ 37.25	£ 31.44	£ 31.44	£ 31,436,761	£ 31,436,761
SWS Client Costs	£ 25.92	£ 148.55	£ 148.55	£ 148,553,618	£ 148,553,618
Risk	£ 129.85	£ 242.18	£ 287.46	£ 242,177,498	£ 287,460,269
Optimism Bias	£ 89.40	£ 204.52	£ 227.59	£ 204,523,243	£ 227,586,693
<b>Option Project Costs</b>	<b>£ 490.99</b>	<b>£ 1,302.45</b>	<b>£ 1,467.29</b>	<b>£ 1,302,446,527</b>	<b>£ 1,467,292,540</b>
<b>Option Project Costs (Index Adjusted)</b>	<b>451.29</b>	<b>1,227.95</b>	<b>1,383.36</b>		

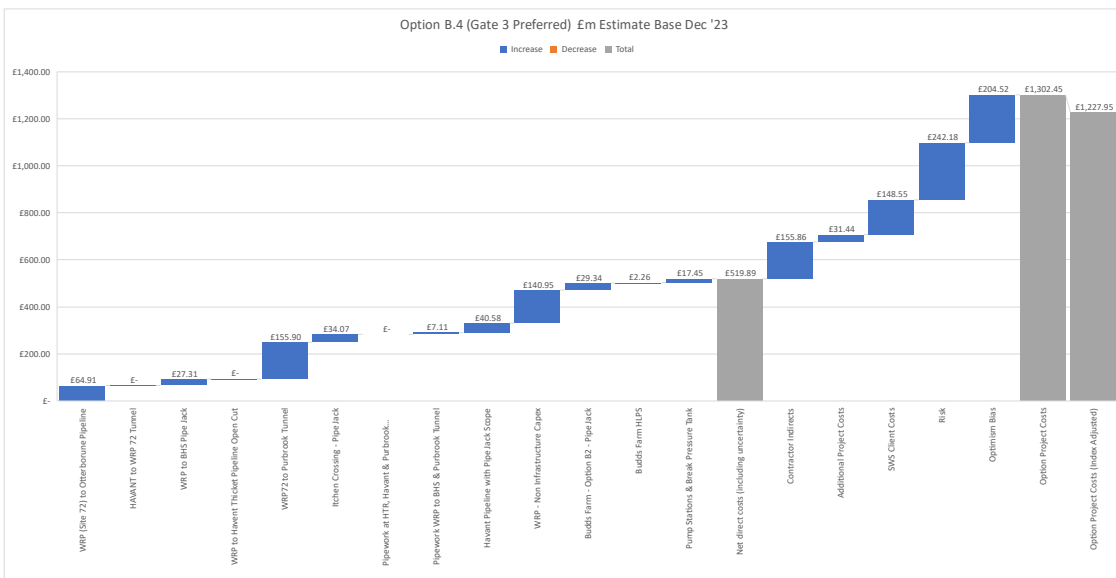
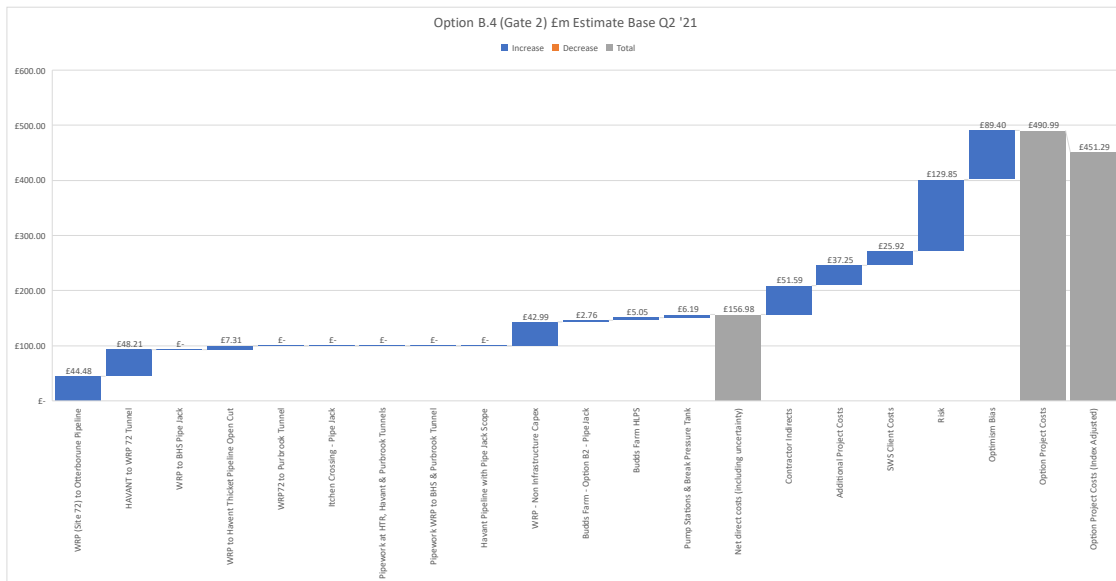
Gate 2 Price Base Q2 '21 adjusted to 17/18

Gate 2 Price Base Q2 '21 adjusted to Q3 '20

Gate 3 Price Base Dec '23 with Indexation to align with PR24 Price Base 22/23 -5.7%

Gate 2

Work at Budds Farm	£ 157,500
Budds Farm Connection to WRP	£ 2,604,000
15MLD WRP	£ 42,989,992
WRP to Havent Thicket Pipeline Open Cut	£ 7,308,043
Tunnelled Section WRP to Havent Thicket 1490m 3m ID inc. shafts	£ 48,211,024
High Lift Pump Station 14 x 355KW High Lift Pumps)	£ 5,046,162
WRP Site 72 to Otterbourne Route 4	£ 44,477,881
Booster Pump Station 4 x 185KW High Lift Pumps)	£ 3,602,815
Break Pressure Tank Otterbourne	£ 2,584,203
	£ 156,981,618.81



**HWTWRP - Response to HAM007 - Changes**

<b>Annex 8.2</b> <b>Changes from Gate Two that have been considered for the cost estimates:</b>	<b>Option B.4</b> <b>(Gate 2)</b> <b>£m</b> <b>Estimate Base Q2 '21</b>	<b>HWTWRP</b> <b>(Gate 3 Preferred)</b> <b>£m</b> <b>Estimate Base Dec '23</b>	<b>HWTWRP</b> <b>(Gate 3 Back-up)</b> <b>£m</b> <b>Estimate Base Dec '23</b>
The Water Recycling Plant (WRP) maximum capacity has increased from 15 Ml/d to 60 Ml/d;	£42.99	£140.95	£140.95
Two tunnel options are being developed for the transfer between the WRP and Havant Thicket Reservoir (HTR) (see Chapter 2: Solution Design);	<b>Note only - Covered in length of tunnelling line item.</b>		
The High Lift Pumping Station (HLPS) is now located at the WRP site;	£5.05	£2.26	£2.26
The transfer capacity from HTR to Otterbourne WSW has increased from 75 Ml/d to 90 Ml/d, with the associated pipeline route and HLPS design being further developed;	£44.48	£64.91	£64.91
The length of tunnelling has increased from circa 1km to circa 6km; and	£48.21	£264.98	£339.22
The number of Intermediate Pumping Stations (IPS) has increased from 1 to 3. (Note this also includes for IPS and break tanks)	£6.19	£17.45	£17.45
	<b>£146.91</b>	<b>£490.55</b>	<b>£564.79</b>