

**Summary outputs from Quantitative Cost Risk Analysis (QCRA)**



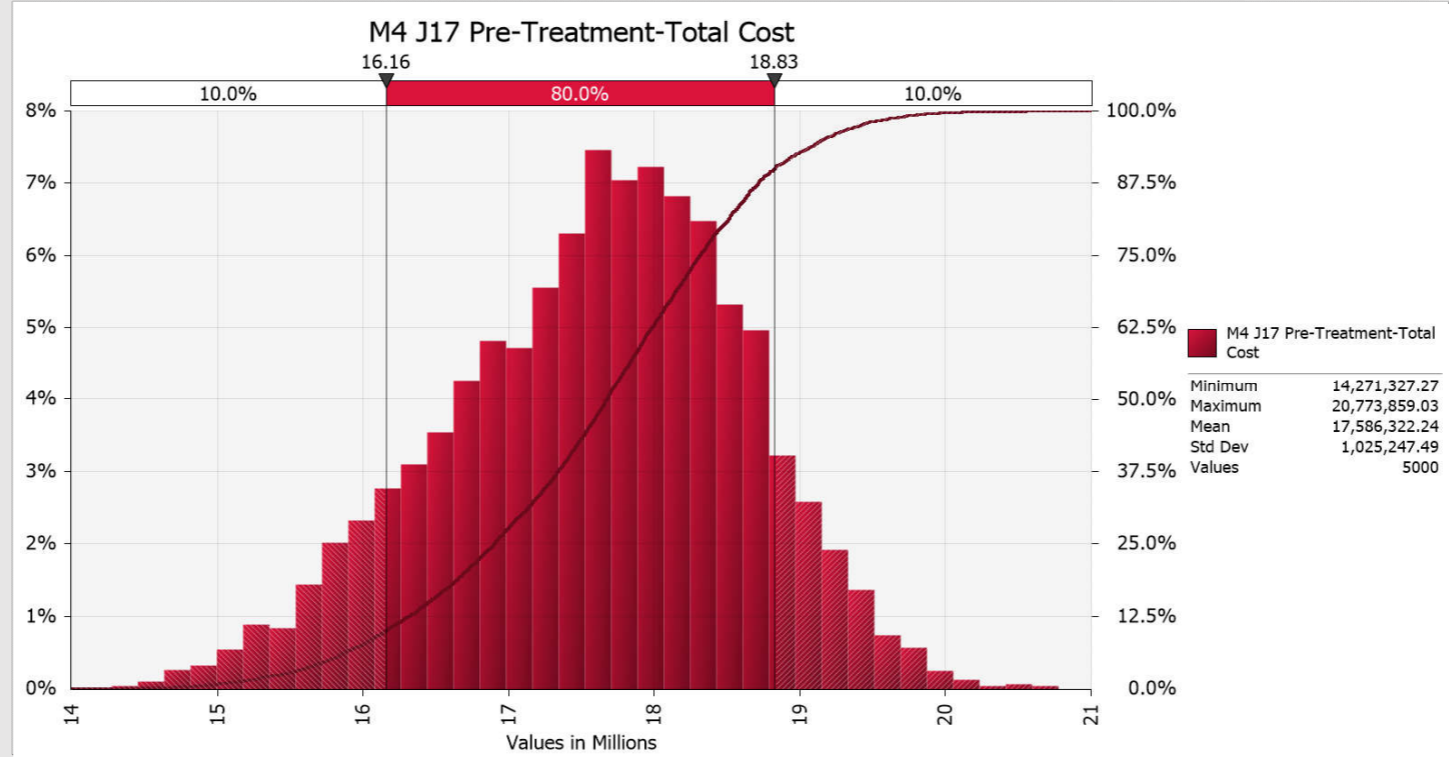
Project Name: **M4 J17 Pre-Treatment**  
 All Costs in £s

Base Cost	Risk Exposure	Confidence Level						
		Mean	P50*	P80*	P85*	P90*	P95*	
Cost of Work Done (COWD)	0	1,755,281	1,792,329	2,107,950	2,174,611	2,253,821	2,385,398	
Costs to Go (CTG)	13,217,537	2,613,504	2,668,665	3,138,605	3,237,860	3,355,799	3,551,709	
<b>Total Base Cost</b>	<b>13,217,537</b>							
Probability of achieving within Base Cost	0.0%	Risk - uplift to Base Cost	4,368,785	4,460,994	5,246,555	5,412,471	5,609,621	5,937,107
		Risk - % of Base Cost	33.1%	33.8%	39.7%	40.9%	42.4%	44.9%
		<b>Total</b>	<b>17,586,322</b>	<b>17,678,531</b>	<b>18,464,092</b>	<b>18,630,008</b>	<b>18,827,158</b>	<b>19,154,644</b>

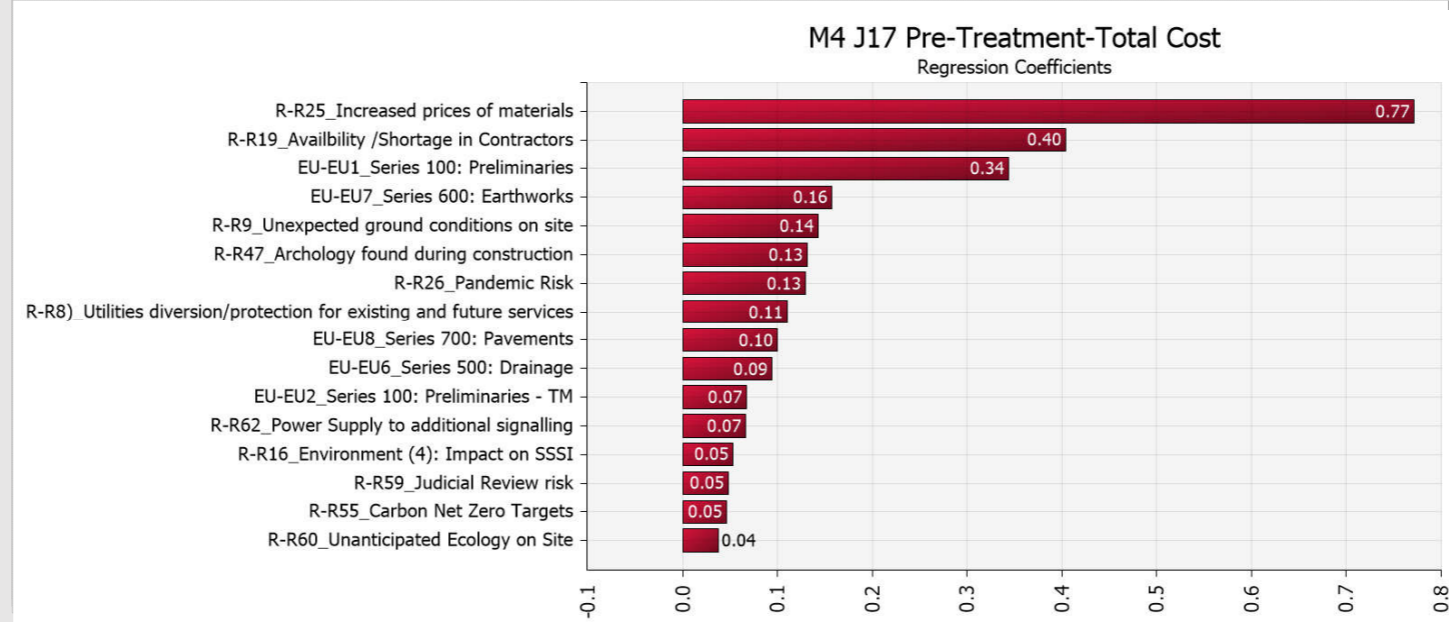
\* 'Splits' (in italics) at different confidence levels are based on pro-rating the mean value.

Key Statistics	Values
Date of Simulation	22/06/2022 20:55
Base Cost	13,217,537
AFC (at Mean)	17,586,322
Mean (Total)	4,368,785
Mean split (EU)	1,755,281
Mean split (Discrete Risk)	2,613,504
Mean split (Schedule Delay)	0
AFC (at P80)	18,464,092
P80 (Uplift from Base)	5,246,555
Std Dev	1,025,247
Spread (P10 - P90)	2,668,561
Spread (as % of Base)	20.2%
Percentiles	Values
0%	14,271,327
1%	15,064,146
5%	15,773,813
10%	16,158,597
15%	16,452,948
20%	16,695,031
25%	16,902,552
30%	17,084,636
35%	17,261,530
40%	17,415,379
45%	17,550,343
<b>50%</b>	<b>17,678,531</b>
55%	17,796,257
60%	17,921,532
65%	18,051,034
70%	18,183,632
75%	18,315,304
<b>80%</b>	<b>18,464,092</b>
85%	18,630,008
90%	18,827,158
95%	19,154,644
99%	19,707,855
100%	20,773,859

Cumulative Probability-Cost Impact (S-Curve)



Risks with greatest impact on uncertainty (Tornado Graph)



**Disclaimer:**

These outputs have been generated using Faithful+Gould's EZ QCRA model. Faithful+Gould assumes no responsibility or liability for the use of the model without appropriate training. It is incumbent on the user to verify the accuracy of the data inputs and outputs.