Crematorium Need Assessment

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Errata

1.5 In the four years 2016 to 2019, Surrey and Sussex Crematorium operated on average at 130% of practical capacity in peak months; Woodvale Crematorium operated at 112%; The Downs Crematorium operated at 74% and Kent and Sussex Crematorium operated at 133%.

Woodvale Crematorium	Year				Averages
	2016	2017	2018	2019	
Combined annual deaths in catchment area	6,529	6,781	6,762	6,638	6,678
Average deaths per month	544	565	564	553	556
Deaths in peak month	608	793	809	693	726
Percentage of annual deaths occurring in peak month	9.3%	11.7%	12.0%	10.4%	11.0%
Annual cremations, minus direct cremations	2,018	1,967	1,697	1,533	1,804
Total slots available	3,780	3,780	3,780	3,780	3,780
Level of technical capacity	**53%**	**52%**	**45%**	**41%**	**50%**
Total core slots available	2,772	2,772	2,772	2,772	2,772
Level of practical (core) capacity	**73%**	**71%**	**61%**	**55%**	**68%**
Average monthly core slots available	231	231	231	231	231
Average monthly cremations	168	164	141	128	150
Calculated peak month cremations	188	230	203	160	198
Level of practical (core) capacity in peak month	**81%**	**100%**	**88%**	**69%**	**85%**

Figure 43: Capacity levels at Woodvale Crematorium 2016 to 2019

Woodvale Crematorium	Year				Averages
	2016	2017	2018	2019	
Combined annual deaths in catchment area	6,529	6,781	6,762	6,638	6,678
Average deaths per month	544	565	564	553	556
Deaths in peak month	608	793	809	693	726
Percentage of annual deaths occurring in peak month	9.3%	11.7%	12.0%	10.4%	10.9%
Annual cremations, minus direct cremations	1,211	1,180	1,018	920	1,082
Total slots available	2,016	2,016	2,016	2,016	2,016
Level of technical capacity	**60%**	**59%**	**51%**	**46%**	**54%**
Total core slots available	1,260	1,260	1,260	1,260	1,260
Level of practical (core) capacity	**96%**	**94%**	**81%**	**73%**	**86%**
Average monthly core slots available	105	105	105	105	105
Average monthly cremations	101	98	85	77	90
Calculated peak month cremations	113	138	122	96	117
Level of practical (core) capacity in peak month	**107%**	**131%**	**116%**	**91%**	**112%**

Figure 44: Peak month capacity if the North Chapel hosts 60% of funerals

Woodvale Crematorium	2043
Combined annual deaths in catchment area	8,390
Average deaths per month	699
Deaths in peak month	876
Percentage of annual deaths occurring in peak month	10.4%
Annual cremations	1,938
Total slots available	3,780
Level of technical capacity	**51%**
Total core slots available	2,772
Level of practical (core) capacity	**70%**
Average monthly core slots available	231
Average monthly cremations	161
Calculated peak month cremations	202
Level of practical (core) capacity in peak month	**88%**

Figure 46: Projected capacity levels in 2043

The Downs Crematorium	Year				Averages
	2016	2017	2018	2019	
Combined annual deaths in catchment area	6,529	6,781	6,762	6,638	6,678
Average deaths per month	544	565	564	553	556
Deaths in peak month	608	793	809	693	726
Percentage of annual deaths occurring in peak month	9.3%	11.7%	12.0%	10.4%	11.0%
Annual cremations	1,285	1,127	1,174	1,214	1,200
Total slots available	3,780	3,780	3,780	3,780	3,780
Level of technical capacity	**34%**	**30%**	**31%**	**32%**	**32%**
Total core slots available	2,772	2,772	2,772	2,772	2,772
Level of practical (core) capacity	**46%**	**41%**	**42%**	**44%**	**43%**
Average monthly core slots available	231	231	231	231	231
Average monthly cremations	107	94	98	101	100
Calculated peak month cremations	120	132	140	127	132
Level of practical (core) capacity in peak month	**52%**	**57%**	**61%**	**55%**	**56%**

Figure 1: Capacity levels at the Downs Crematorium 2016 to 2019

The Downs Crematorium	Year				Averages
	2016	2017	2018	2019	
Combined annual deaths in catchment area	6,529	6,781	6,762	6,638	6,678
Average deaths per month	544	565	564	553	556
Deaths in peak month	608	793	809	693	726
Percentage of annual deaths occurring in peak month	9.3%	11.7%	12.0%	10.4%	11.0%
Annual cremations	771	676	704	728	720
Total slots available	2,016	2,016	2,016	2,016	2,016
Level of technical capacity	**38%**	**34%**	**35%**	**36%**	**36%**
Total core slots available	1,260	1,260	1,260	1,260	1,260
Level of practical (core) capacity	**61%**	**54%**	**56%**	**58%**	**57%**
Average monthly core slots available	105	105	105	105	105
Average monthly cremations	64	56	59	61	60
Calculated peak month cremations	72	79	84	76	78
Level of practical (core) capacity in peak month	**68%**	**75%**	**80%**	**72%**	**74%**

Figure 2: Peak month capacity if the Main Chapel hosts 60% of funerals

The Downs Crematorium	2043
Combined annual deaths in catchment area	8,390
Average deaths per month	699
Deaths in peak month	876
Percentage of annual deaths occurring in peak month	10.4%
Annual cremations	1,534
Total slots available	3,780
Level of technical capacity	**41%**
Total core slots available	2,772
Level of practical (core) capacity	**55%**
Average monthly core slots available	231
Average monthly cremations	128
Calculated peak month cremations	160
Level of practical (core) capacity in peak month	**69%**

Figure 3: Projected capacity levels in 2043

Factor	Averages for 2016 to 2019 inclusive			
	Surrey & Sussex	Woodvale	Downs	Kent & Sussex
Combined annual deaths in catchment area	11,778	6,678	6,678	4,998
Average deaths per month	981	556	556	417
Deaths in peak month	1,255	726	726	528
Percentage of annual deaths occurring in peak month	10.6%	11.0%	11.0%	10.5%
Annual cremations, minus direct cremations	2,988	1,804	1,200	2,444
Total slots available	5,040	3,780	3,780	5,292
Level of technical capacity	**59%**	**50%**	**32%**	**46%**
Total core slots available	3,528	2,772	2,772	3,528
Level of practical (core) capacity	**85%**	**68%**	**43%**	**69%**
Average monthly core slots available	294	231	231	294
Average monthly cremations	249	150	100	204
Calculated peak month cremations	318	198	132	257
Level of practical (core) capacity in peak month	**108%**	**85%**	**56%**	**88%**

Figure 56: Average capacity levels 2016 to 2019, assuming an equal share of funerals per chapel

Factor	Averages for 2016 to 2019 inclusive			
	Surrey & Sussex	Woodvale	Downs	Kent & Sussex
Combined annual deaths in catchment area	11,778	6,678	6,678	4,998
Average deaths per month	981	556	556	421
Deaths in peak month	1,255	726	726	521
Percentage of annual deaths occurring in peak month	10.6%	10.9%	11.0%	10.3%
Annual cremations, minus direct cremations	1,793	1,082	720	1,890
Total slots available	2,520	2,016	2,016	3,024
Level of technical capacity	**71%**	**54%**	**36%**	**62%**
Total core slots available	1,764	1,260	1,260	1,764
Level of practical (core) capacity	**102%**	**86%**	**57%**	**107%**
Average monthly core slots available	147	105	105	147
Average monthly cremations	149	90	60	157
Calculated peak month cremations	191	117	78	196
Level of practical (core) capacity in peak month	**130%**	**112%**	**74%**	**133%**

Figure 57: Average capacity levels 2016 to 2019, reflecting unequal share of funerals per chapel