Leicestershire County Council

Investment Portfolio Benchmarking Analysis

March 2024

Group Members:

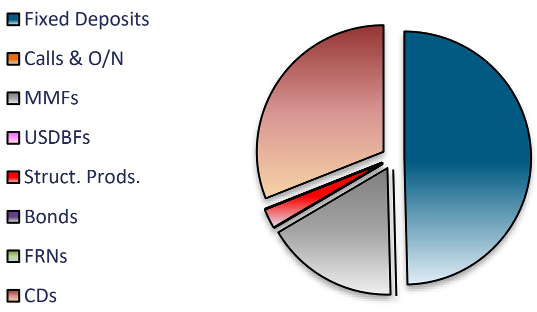
Amber Valley Borough Council
Charnwood Borough Council
City Of Lincoln Council
Leicestershire County Council
Lincolnshire County Council
Melton Borough Council
North East Lincolnshire Council
North Kesteven District Council
North Lincolnshire Council
Nottingham City Council
Nottinghamshire Fire And Rescue Service
Police And Crime Commissioner For Lincolnshire
South Kesteven District Council
West Lindsey District Council

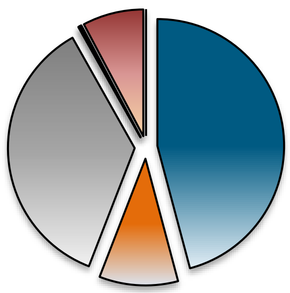
Leicestershire County Council

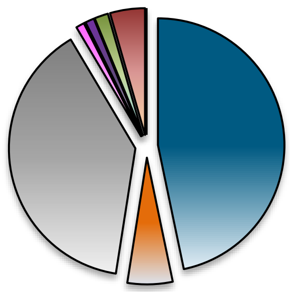
Summary Sheet

	Leicestershire County Council	Benchmarking Group 11 (14)	English Counties (17)
		Basic Portfolio Characteristics	
WARoR	5.49%	5.24%	5.26%
WAM	113	87	96
WATT	267	199	223
WA Credit Risk	3.58	2.89	2.12
Model WARoR	5.09%	5.17%	5.25%
Difference	0.40%	0.07%	0.01%
Model Band	4.84% - 5.33%	4.93% - 5.42%	5.00% - 5.50%
Performance	Above	Inline	Inline

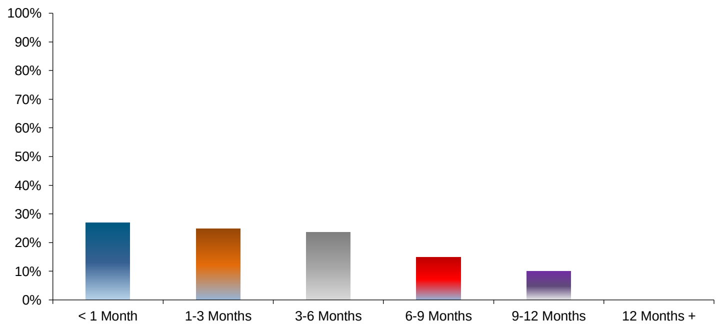
Asset Breakdown

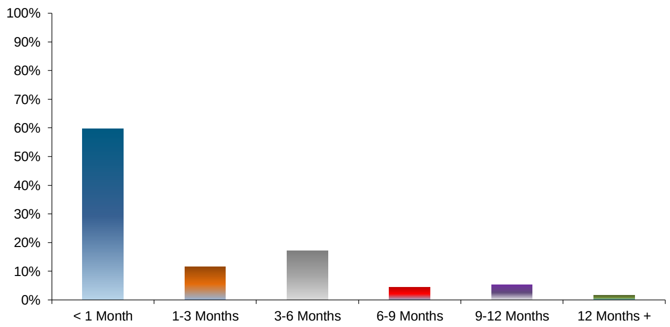


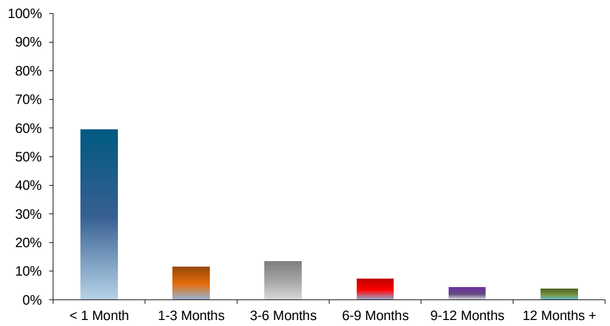




Maturity Profiles







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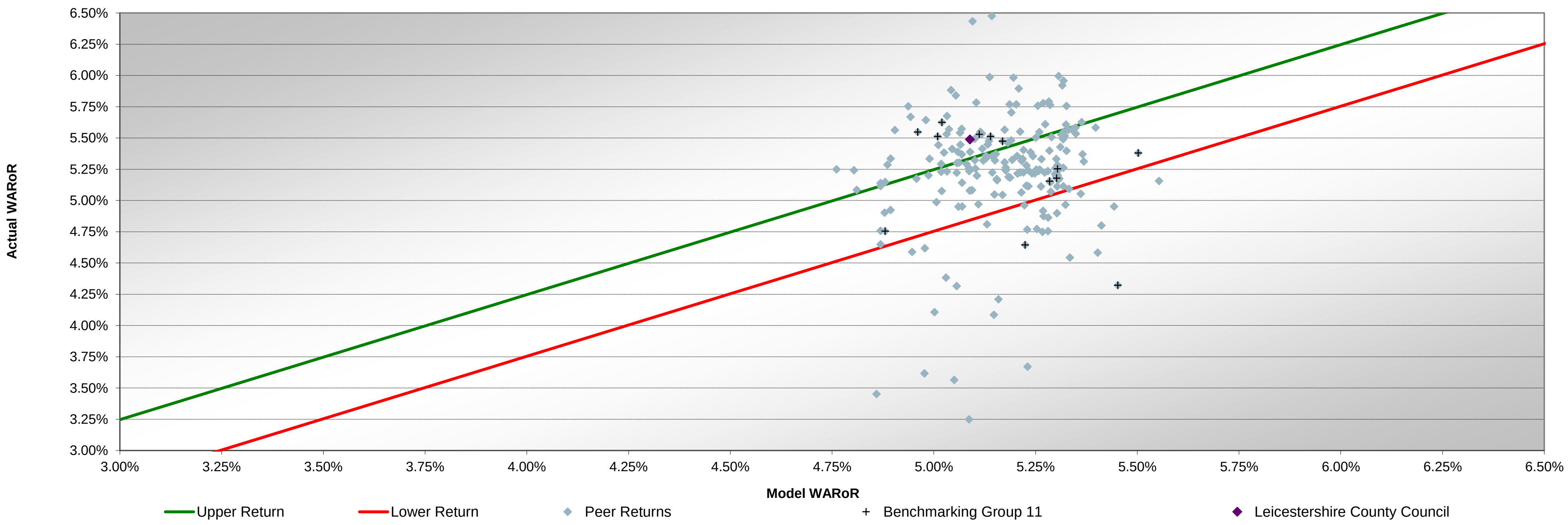
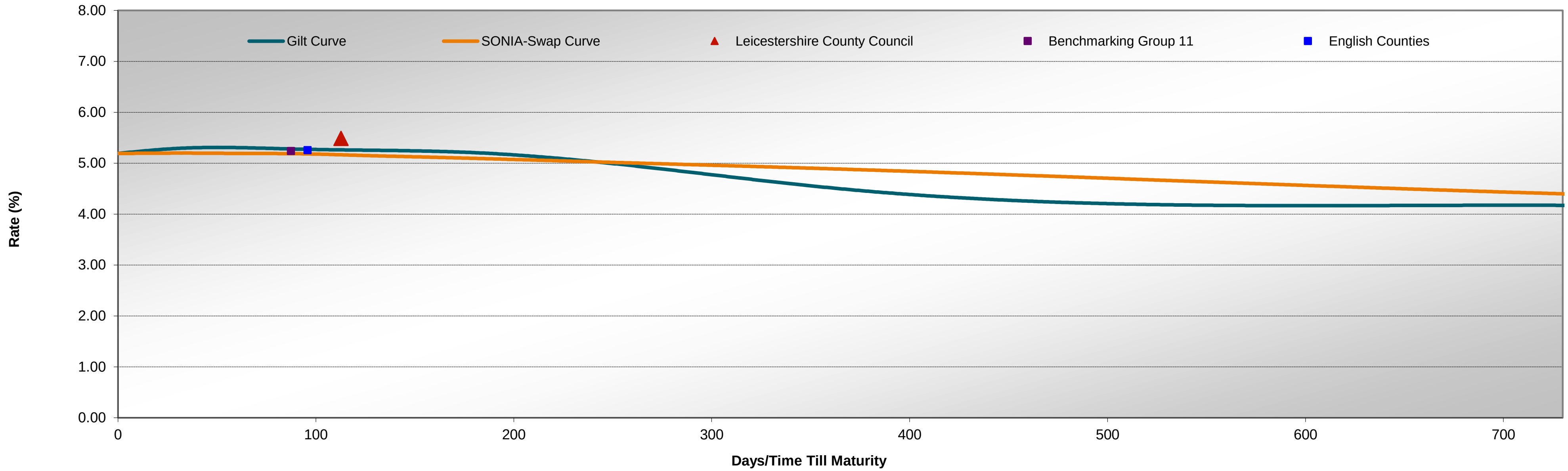
Population Returns against Model Returns



	Actual WARoR	Model WARoR	Difference	Lower Bound	Upper Bound	Performance
Leicestershire County Council	5.49%	5.09%	0.40%	4.84%	5.33%	Above

Leicestershire County Council

Returns Comparable Against the Risk-Free Rate and SONIA Swap Curve



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	WARoR	WAM	WATT	WARisk	Gilt	SONIA-Swap	Difference Gilt	Difference SONIA-Swap	Model Bands	Performance
Leicestershire County Council	5.49%	113	267	3.58	5.26%	5.16%	0.23%	0.32%	4.84% - 5.33%	Above
Benchmarking Group 11	5.24%	87	199	2.89	5.28%	5.19%	-0.04%	0.05%	4.93% - 5.42%	Inline
English Counties	5.26%	96	223	2.12	5.27%	5.18%	-0.01%	0.08%	5.00% - 5.50%	Inline

Leicestershire County Council

Peer Comparison

	Leicestershire County Council	Benchmarking Group 11 (14)		English Counties (17)		Population Average (230)	
Basic Characteristics							
Principal	£403,200,000	£89,857,259		£251,346,189		£74,437,675	
WARoR	5.49%	5.24%		5.26%		5.17%	
WAM	113	87		96		56	
WATT	267	199		223		133	
WA Credit Risk	3.58	2.89		2.12		2.53	
Portfolio Breakdown							
Fixed Deposits	49.60%	45.85%	12	46.72%	14	45.72%	171
Calls & O/N	0.00%	10.04%	8	5.76%	13	17.32%	166
MMFs	16.91%	35.95%	13	38.98%	16	33.13%	172
USDBFs	0.00%	0.00%	0	1.06%	3	0.55%	9
Struct. Prods.	2.48%	0.18%	1	0.15%	1	0.67%	5
Bonds	0.00%	0.21%	1	1.13%	2	0.24%	6
FRNs	0.00%	0.00%	0	1.75%	1	0.13%	1
CDs	31.00%	7.77%	3	4.46%	3	2.24%	18
Institution Breakdown							
Banks	83.09%	47.00%	12	33.11%	0	38.85%	197
Building Socs.	0.00%	1.63%	1	0.40%	1	1.07%	21
Government	0.00%	14.59%	9	25.69%	16	26.09%	130
MMFs	16.91%	35.95%	13	38.98%	1	33.19%	173
USDBFs	0.00%	0.00%	0	1.06%	3	0.55%	9
MLDBs	0.00%	0.00%	0	0.00%	16	0.00%	0
Other	0.00%	0.83%	2	0.77%	3	0.25%	11
Domestic/Foreign Exposure							
Domestic	26.04%	48.36%	13	48.58%	8	60.12%	210
Foreign	57.04%	15.69%	7	11.38%	5	6.14%	68
MMFs	16.91%	35.95%	13	38.98%	1	33.19%	173
USDBFs	0.00%	0.00%	0	1.06%	3	0.55%	9
Maturity Structure							
< 1 Month	26.84%	59.68%		59.46%		65.72%	
1-3 Months	24.80%	11.54%		11.59%		12.90%	
3-6 Months	23.56%	17.24%		13.48%		13.74%	
6-9 Months	14.88%	4.49%		7.28%		4.05%	
9-12 Months	9.92%	5.38%		4.28%		2.18%	
12 Months +	0.00%	1.67%		3.92%		1.40%	

Leicestershire County Council

Detailed Peer Comparison

	Leicestershire County Council					Benchmarking Group 11 (14)						English Counties (17)				
	%	WARoR	WAM	WATT		%	WARoR	WAM	WATT	n		%	WARoR	WAM	WATT	n
Asset Breakdown																
Fixed Deposits	49.60%	5.48%	137	310		45.85%	5.26%	95	249	12		46.72%	5.28%	157	364	14
Calls	0.00%	0.00%	0	0		10.04%	4.67%	34	34	8		5.76%	4.54%	14	14	12
Overnight	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		0.00%	0.00%	0	0	0
MMFs	16.91%	5.26%	0	0		35.95%	5.26%	0	0	13		38.98%	5.25%	0	0	16
USDBFs	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		1.06%	5.31%	0	0	3
Structured Prods.	2.48%	5.89%	166	184		0.18%	5.89%	12	13	1		0.15%	5.89%	0	11	1
Cert.of Deposit	31.00%	5.60%	132	349		7.77%	5.64%	24	76	3		1.75%	5.77%	20	63	3
FRNs	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		4.46%	5.08%	37	79	1
Gov. Bonds	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		0.69%	5.22%	5	10	1
Corp. Bonds	0.00%	0.00%	0	0		0.21%	4.32%	659	681	1		0.43%	3.17%	36	123	2
MLDB Bonds	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		0.00%	0.00%	0	0	0
Property Funds	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		0.00%	0.00%	5	364	0
Institutional Breakdown																
Banks	83.09%	5.54%	136	321		47.00%	5.08%	57	155	12		33.11%	5.31%	75	215	16
Building Socs.	0.00%	0.00%	0	0		1.63%	3.72%	2	2	1		0.40%	5.55%	58	98	1
Government	0.00%	0.00%	0	0		14.59%	5.14%	737	864	9		25.69%	5.10%	264	569	11
MMFs	16.91%	5.26%	0	0		35.95%	5.26%	0	0	13		38.98%	5.25%	0	0	16
USDBFs	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		1.06%	5.31%	0	0	3
MLDBs	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		0.00%	0.00%	0	0	0
Other	0.00%	0.00%	0	0		0.83%	4.75%	45	77	2		0.77%	4.49%	40	55	1
Foreign Breakdown																
Domestic	26.04%	5.45%	177	269		48.36%	4.61%	184	312	13		48.58%	5.16%	189	415	17
Foreign	57.04%	5.57%	117	344		15.69%	2.82%	53	178	7		11.38%	5.26%	40	152	8
MMF	16.91%	5.26%	0	0		35.95%	5.26%	0	0	13		38.98%	5.25%	0	0	16
USDBFs	0.00%	0.00%	0	0		0.00%	0.00%	0	0	0		1.06%	5.31%	0	0	3
Sovereign State Breakdown																
UK	26.04%	5.45%	177	269	UK	48.36%	4.61%	184	312	13	UK	48.58%	5.16%	189	415	17
CAN	12.40%	5.33%	82	364	AUS	2.47%	1.19%	22	73	3	AUS	2.15%	1.36%	20	80	4
AUS	9.92%	5.32%	80	364	GER	2.41%	2.00%	34	126	5	CAN	2.05%	1.65%	41	93	5
GER	7.44%	5.99%	125	304	QAT	2.10%	0.42%	4	26	1	SING	1.97%	1.19%	7	86	4
FIN	4.96%	6.11%	134	360	CAN	1.55%	1.19%	22	74	3	NOR	1.22%	1.06%	28	62	3
FRA	4.96%	5.73%	100	365	NETH	1.09%	1.17%	42	72	3	GER	0.90%	1.33%	20	71	4
NETH	4.96%	5.77%	215	365	FRA	1.00%	0.79%	30	52	2	NETH	0.85%	0.97%	40	59	3
NOR	4.96%	5.44%	213	319	SWE	0.96%	0.74%	4	52	2	SWE	0.79%	0.61%	4	43	2
SWE	4.96%	5.16%	46	365	SWTZ	0.85%	0.94%	15	51	2	SWTZ	0.52%	0.38%	6	21	1
DEN	2.48%	5.89%	166	184	FIN	0.79%	0.81%	12	52	2	FIN	0.50%	0.70%	19	43	2
					NOR	0.79%	0.82%	27	49	2	FRA	0.29%	0.34%	6	21	1
					SING	0.66%	0.72%	27	52	2	DEN	0.15%	0.35%	10	11	1
					DEN	0.61%	0.83%	17	39	2						
					UAE	0.42%	0.41%	15	26	1						
Sovereign Rating Breakdown																
AAA	34.72%				AA-	49.36%					AA-	48.87%				
AA-	31.00%				AAA	9.83%					AAA	8.54%				
AA+	17.36%				AA	2.52%					AA+	2.55%				
					AA+	2.34%										

Since MMFs are ring-fenced institutions and do not belong to a specific country, the sovereign breakdowns will exclude them from the analysis. As a result the "% of Portfolio" may not add up to 100%.

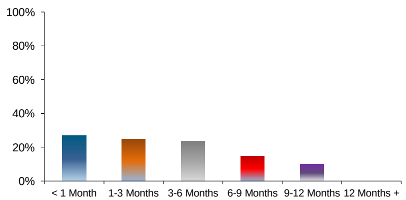
Leicestershire County Council

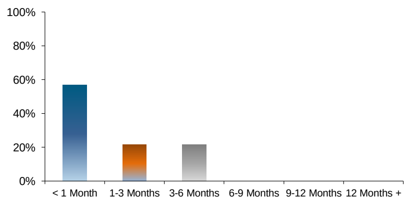
Selected Peer Comparison

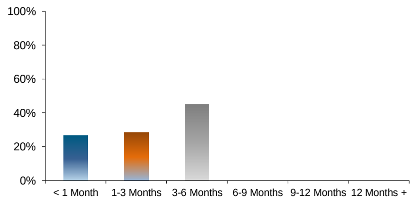
	Leicestershire County Council	Amber Valley Borough Council	Charnwood Borough Council	City Of Lincoln Council
Basic Portfolio Characteristics				
WARoR	5.49%	5.53%	5.55%	5.47%
WAM	113	46	81	36
WATT	267	164	195	125
WA Credit Risk	3.58	3.17	4.58	2.60
Model WARoR	5.09%	5.11%	4.96%	5.17%
Difference	0.40%	0.42%	0.59%	0.31%
Model Band	4.84% - 5.33%	4.87% - 5.36%	4.71% - 5.21%	4.92% - 5.42%
Performance	Above	Above	Above	Above

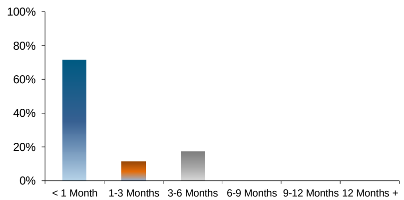
Portfolio Breakdown	**%**	**WARoR**	**WAM**	**WATT**	**%**	**WARoR**	**WAM**	**WATT**	**%**	**WARoR**	**WAM**	**WATT**	**%**	**WARoR**	**WAM**	**WATT**
Fixed Deposits	49.60%	5.48%	137	310	75.39%	5.63%	61	217	75.83%	5.50%	64	214	51.30%	5.66%	71	243
Calls	0.00%	0.00%	0	0	3.06%	4.85%	0	0	21.33%	5.77%	152	152	0.00%	0.00%	0	0
Overnight	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MMFs	16.91%	5.26%	0	0	21.54%	5.26%	0	0	2.84%	5.27%	0	0	48.70%	5.28%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Structured Prods.	2.48%	5.89%	166	184	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Cert.of Deposit	31.00%	5.60%	132	349	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
FRNs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Gov. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Corp. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDB Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Institution Breakdown																
Banks	83.09%	5.54%	136	321	56.92%	5.59%	74	241	85.31%	5.54%	71	190	34.20%	5.62%	20	182
Building Socs.	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Government	0.00%	0.00%	0	0	21.54%	5.65%	18	122	11.85%	5.65%	169	276	17.10%	5.75%	171	364
MMFs	16.91%	5.26%	0	0	21.54%	5.26%	0	0	2.84%	5.27%	0	0	48.70%	5.28%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDBs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Other	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Domestic/Foreign Exposure																
Domestic	26.04%	5.45%	177	269	67.69%	5.53%	54	184	90.05%	5.60%	86	187	51.30%	5.66%	71	243
Foreign	57.04%	5.57%	117	344	10.77%	6.09%	88	365	7.11%	5.01%	40	364	0.00%	0.00%	0	0

Maturity Profiles









Leicestershire County Council

Selected Peer Comparison

Basic Portfolio Characteristics

	Lincolnshire County Council	Melton Borough Council	North East Lincolnshire Council	North Kesteven District Council
WARoR	5.51%	5.63%	5.15%	4.32%
WAM	95	129	5	217
WATT	246	344	6	704
WA Credit Risk	3.08	4.42	1.19	1.44
Model WARoR	5.14%	5.02%	5.28%	5.45%
Difference	0.37%	0.61%	-0.13%	-1.13%
Model Band	4.89% - 5.39%	4.77% - 5.27%	5.04% - 5.53%	5.21% - 5.70%
Performance	Above	Above	Inline	Below

Portfolio Breakdown

	Lincolnshire County Council				Melton Borough Council				North East Lincolnshire Council				North Kesteven District Council			
	%	**WARoR**	**WAM**	**WATT**	**%**	**WARoR**	**WAM**	**WATT**	**%**	**WARoR**	**WAM**	**WATT**	**%**	**WARoR**	**WAM**	**WATT**
Fixed Deposits	61.79%	5.48%	134	264	94.23%	5.65%	137	365	46.35%	5.19%	11	14	78.71%	4.07%	276	894
Calls	0.00%	0.00%	0	0	0.00%	0.00%	0	0	4.76%	4.25%	0	0	0.00%	0.00%	0	0
Overnight	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MMFs	14.59%	5.27%	0	0	5.77%	5.26%	0	0	48.88%	5.21%	0	0	21.29%	5.26%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Structured Prods.	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Cert.of Deposit	23.62%	5.75%	52	351	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
FRNs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Gov. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Corp. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDB Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0

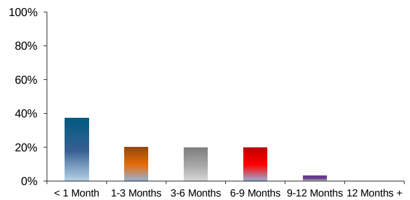
Institution Breakdown

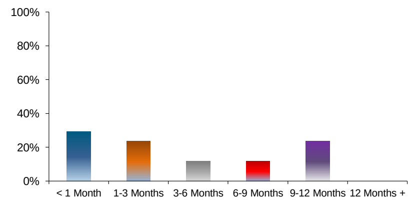
	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT
Banks	60.74%	5.51%	82	309	94.23%	5.65%	137	365	4.76%	4.25%	0	0	0.00%	0.00%	0	0
Building Socs.	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Government	24.68%	5.68%	183	239	0.00%	0.00%	0	0	46.35%	5.19%	11	14	69.96%	4.02%	275	915
MMFs	14.59%	5.27%	0	0	5.77%	5.26%	0	0	48.88%	5.21%	0	0	21.29%	5.26%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDBs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Other	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	8.75%	4.50%	284	731

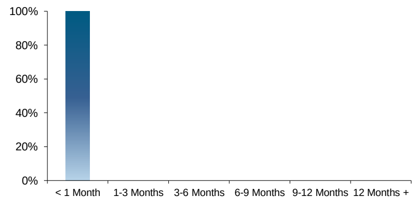
Domestic/Foreign Exposure

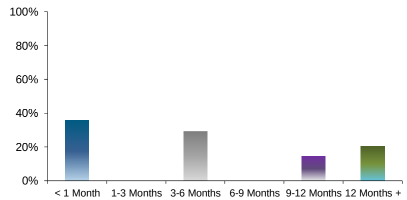
	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT
Domestic	33.11%	5.62%	156	224	58.89%	5.50%	171	365	51.12%	5.10%	10	13	78.71%	4.07%	276	894
Foreign	52.30%	5.51%	84	329	35.34%	5.90%	81	365	0.00%	0.00%	0	0	0.00%	0.00%	0	0

Maturity Profiles









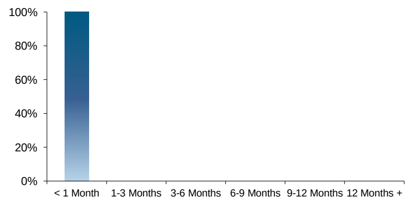
Leicestershire County Council

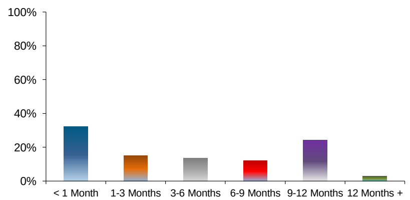
Selected Peer Comparison

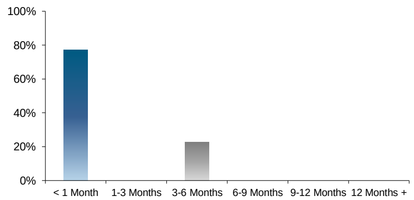
	North Lincolnshire Council	Nottingham City Council	Nottinghamshire Fire And Rescue Service	Police And Crime Commissioner For Lincolnshire
Basic Portfolio Characteristics				
WARoR	4.65%	5.38%	4.75%	5.25%
WAM	0	409	26	0
WATT	0	542	32	0
WA Credit Risk	1.73	3.50	5.00	1.00
Model WARoR	5.22%	5.50%	4.88%	5.30%
Difference	-0.58%	-0.12%	-0.13%	-0.05%
Model Band	4.98% - 5.47%	5.26% - 5.75%	4.63% - 5.13%	5.06% - 5.55%
Performance	Below	Inline	Inline	Inline

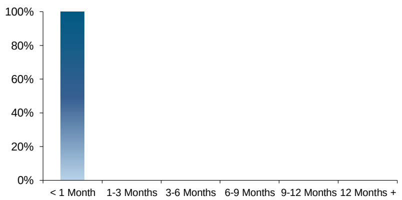
	North Lincolnshire Council				Nottingham City Council				Nottinghamshire Fire And Rescue Service				Police And Crime Commissioner For Lincolnshire			
Portfolio Breakdown	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT
Fixed Deposits	0.00%	0.00%	0	0	12.10%	5.37%	288	364	31.51%	5.05%	12	32	0.00%	0.00%	0	0
Calls	18.34%	2.02%	0	0	7.56%	4.79%	203	203	68.49%	4.62%	32	32	0.00%	0.00%	0	0
Overnight	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MMFs	81.66%	5.24%	0	0	23.17%	5.28%	0	0	0.00%	0.00%	0	0	100.00%	5.25%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Structured Prods.	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Cert.of Deposit	0.00%	0.00%	0	0	54.18%	5.57%	152	364	0.00%	0.00%	0	0	0.00%	0.00%	0	0
FRNs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Gov. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Corp. Bonds	0.00%	0.00%	0	0	2.99%	4.32%	9222	9536	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDB Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Institution Breakdown																
Banks	18.34%	2.02%	0	0	70.92%	5.47%	173	347	77.17%	5.06%	24	32	0.00%	0.00%	0	0
Building Socs.	0.00%	0.00%	0	0	0.00%	0.00%	0	0	22.83%	3.72%	32	32	0.00%	0.00%	0	0
Government	0.00%	0.00%	0	0	2.99%	4.32%	9222	9536	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MMFs	81.66%	5.24%	0	0	23.17%	5.28%	0	0	0.00%	0.00%	0	0	100.00%	5.25%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDBs	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Other	0.00%	0.00%	0	0	2.93%	5.00%	341	351	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Domestic/Foreign Exposure																
Domestic	18.34%	2.02%	0	0	22.55%	4.91%	1427	1526	100.00%	4.75%	26	32	0.00%	0.00%	0	0
Foreign	0.00%	0.00%	0	0	54.28%	5.62%	160	364	0.00%	0.00%	0	0	0.00%	0.00%	0	0

Maturity Profiles









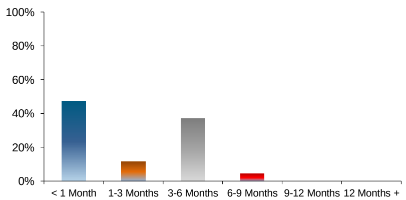
Leicestershire County Council

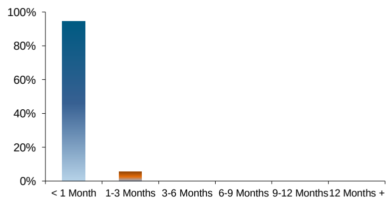
Selected Peer Comparison

	South Kesteven District Council	West Lindsey District Council
Basic Portfolio Characteristics		
WARoR	5.51%	5.18%
WAM	63	3
WATT	139	20
WA Credit Risk	4.04	1.11
Model WARoR	5.01%	5.30%
Difference	0.50%	-0.12%
Model Band	4.76% - 5.26%	5.06% - 5.55%
Performance	Above	Inline

	%	WARoR	WAM	WATT	%	WARoR	WAM	WATT
Portfolio Breakdown								
Fixed Deposits	59.64%	5.51%	84	210	5.49%	4.50%	61	364
Calls	14.20%	5.95%	95	95	2.75%	5.15%	0	0
Overnight	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MMFs	26.16%	5.28%	0	0	91.76%	5.22%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Structured Prods.	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Cert.of Deposit	0.00%	0.00%	0	0	0.00%	0.00%	0	0
FRNs	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Gov. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Corp. Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDB Bonds	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Institution Breakdown								
Banks	69.58%	5.60%	78	183	2.75%	5.15%	0	0
Building Socs.	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Government	4.26%	5.52%	208	273	5.49%	4.50%	61	364
MMFs	26.16%	5.28%	0	0	91.76%	5.22%	0	0
USDBFs	0.00%	0.00%	0	0	0.00%	0.00%	0	0
MLDBs	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Other	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Domestic/Foreign Exposure								
Domestic	71.00%	5.59%	82	181	8.24%	4.72%	41	243
Foreign	2.84%	5.71%	180	364	0.00%	0.00%	0	0

Maturity Profiles





Benchmarking Rationale and Methodology

The aim of this benchmarking model is to compare portfolio weighted average rate of returns (WARoR) by adjusting for the risks inherent in the portfolio. The main risks in cash portfolios are:

- Maturity Risk
- Credit Risk

As such, the model must normalise WARoRs by adjusting for these risks so as to calculate risk-adjusted returns, or "Model WARoR". The risks the model looks at include:

- Maturity Risk
- Credit Risk
- Change in the shape of the yield curve

This will account for the majority of all risk in the portfolio, however, there will still be some "model uncertainty" as no model can fully explain each WARoR. The difference in model WARoR and actual WARoR may be due to the following reasons:

- Timing differences
- Higher diversification
- Tilt towards a particular asset type or institution type that is extraordinarily paying an above market rate (e.g. special tranche rates)

As a result, the model will build "Standard Error Bands" around the model WARoR calculated so as to adjust for this model uncertainty. This gives us a range for where the actual WARoR should fall. If the actual WARoR is above this upper band, then we would say the client is above on a risk-adjusted basis given the risks inherent in the portfolio. If the actual WARoR is below the lower band, then we would say the client is below on a risk-adjusted basis given the risks inherent in the portfolio.

Model Band — Some values when compared to the Model Band will fall outside the range even if the value appears to be equal to the minimum or maximum. This is due to rounding the data to two decimal places within Excel.

For example:
The value returned is 0.9512 and the range is 0.9541 – 1.2321. When rounded the data will be represented as 0.95 and a range of 0.95 – 1.23, although this appears to be in line with the range the underlying data will actually fall outside.

Definitions

WARoR	Weighted Average Rate of Return	This is the average annualised rate of return weighted by the principal amount in each rate.
WAM	Weighted Average Time to Maturity	This is the average time, in days, till the portfolio matures, weighted by principal amount.
WATT	Weighted Average Total Time	This is the average time, in days, that deposits are lent out for, weighted by principal amount.
WA Risk	Weighted Average Credit Risk Number	Each institution is assigned a colour corresponding to a suggested duration using Link Asset Services' Suggested Credit Methodology. 1 = Yellow; 1.25 = Pink 1; 1.5 = Pink 2, 2 = Purple; 3 = Blue; 4 = Orange; 5 = Red; 6 = Green; 7 = No Colour
Model WARoR	Model Weighted Average Rate of Return	This is the WARoR that the model produces by taking into account the risks inherent in the portfolio.
Difference	Difference	This is the difference between the actual WARoR and the model WARoR; Actual WARoR minus Model WARoR

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