

Project Year	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	
	Compounded																							
Assumed Inflation Rate (1)	2.50%	DSO	SPV	Annual	Total	(1) The assumed inflation rate is the rate used by BAM to index the 2009/10 UC up to 2012/13. It has been applied to the 2012/13 UC to discount it back to 2009/10.																		
Indexation	50.00%	871	10,419	-	-																			
Interest Paid to Sinking Fund	4.90%	Check Figure -			1.8	(2) The actual inflation rate has been applied from the 2009/10 UC onwards.																		
Actual Inflation Rate (2)	2.50%	Insurance Receipt Applied -			6,144.0																			
Provision for Penalty Deductions	0.00%	Site Receipts Applied			6,908.0																			
		ZDD			Y																			
WDC Savings Full Year																								
Property Savings	2,350	2,409	2,469	2,531	2,594	2,659	2,725	2,793	2,863	2,935	3,008	3,083	3,160	3,240	3,320	3,404	3,489	3,576	3,665	3,757	3,851	3,947	4,046	
Operation/Admin. Savings	1,593	1,633	1,674	1,715	1,758	1,802	1,847	1,894	1,941	1,989	2,039	2,090	2,142	2,196	2,251	2,307	2,365	2,424	2,485	2,547	2,610	2,676	2,742	
DSO Charge Discounted Back to 2009/10 (1)	809	829	850	871																				
DSO Charge With Actual Inflation	809	829	850	871	893	915	938	961	985	1,010	1,035	1,061	1,088	1,115	1,143	1,171	1,201	1,231	1,261	1,293	1,325	1,358	1,392	
SPV Charge Discounted Back to 2009/10 (1)	10,038	10,163	10,290	10,419																				
SPV Charge With Actual Inflation	10,038	10,163	10,290	10,419	10,549	10,681	10,815	10,950	11,087	11,225	11,366	11,508	11,651	11,797	11,945	12,094	12,245	12,398	12,553	12,710	12,869	13,030	13,193	
Utilities Discounted Back to 2009/10 (1)	317	325	333	341																				
Utilities With Actual Inflation	422	433	443	454	466	477	489	502	514	527	540	554	568	582	596	611	626	642	658	675	691	709	727	
%age Payment	64.8%	93.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
DSO	- -	524	772	850	871	893	915	938	961	985	1,010	1,035	1,061	1,088	1,115	1,143	1,171	1,201	1,231	1,261	1,293	1,325	1,358	1,392
SPV	- -	6,505	9,462	10,290	10,419	10,549	10,681	10,815	10,950	11,087	11,225	11,366	11,508	11,651	11,797	11,945	12,094	12,245	12,398	12,553	12,710	12,869	13,030	13,193
Utilities	- -	273	403	443	454	466	477	489	502	514	527	540	554	568	582	596	611	626	642	658	675	691	709	727
Total Charge Increased by Actual Inflation (2)	11,269	11,425	11,583	11,744	11,908	12,074	12,242	12,413	12,586	12,762	12,941	13,123	13,307	13,494	13,684	13,876	14,072	14,271	14,473	14,678	14,886	15,097	15,312	
Total Charge Adjusted for %age Payment and Penalty Deductions	7,302	10,637	11,583	11,744	11,908	12,074	12,242	12,413	12,586	12,762	12,941	13,123	13,307	13,494	13,684	13,876	14,072	14,271	14,473	14,678	14,886	15,097	15,312	
SE Support	- -	4,660	6,695	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	7,191	
WDC Savings - Property	- -	1,523	2,243	2,469	2,531	2,594	2,659	2,725	2,793	2,863	2,935	3,008	3,083	3,160	3,240	3,320	3,404	3,489	3,576	3,665	3,757	3,851	3,947	4,046
WDC Savings - Operation/Admin	- -	1,032	1,520	1,674	1,715	1,758	1,802	1,847	1,894	1,941	1,989	2,039	2,090	2,142	2,196	2,251	2,307	2,365	2,424	2,485	2,547	2,610	2,676	2,742
Revenue Funding Available	7,215	10,458	11,334	11,438	11,544	11,653	11,764	11,878	11,996	12,116	12,239	12,365	12,494	12,627	12,763	12,902	13,045	13,191	13,341	13,495	13,653	13,814	13,980	
Affordability gap	87.0	178.6	249.4	306.8	364.0	421.0	477.8	534.4	590.7	646.6	702.3	757.5	812.4	866.9	920.9	974.4	1,027.3	1,079.8	1,131.6	1,182.7	1,233.2	1,283.0	1,331.9	
Affordability Gap to be Met from Budget	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sinking Fund Contribution Required	87.0	178.6	249.4	306.8	364.0	421.0	477.8	534.4	590.7	646.6	702.3	757.5	812.4	866.9	920.9	974.4	1,027.3	1,079.8	1,131.6	1,182.7	1,233.2	1,283.0	1,331.9	
SINKING FUND -																								
Balance brought forward	-	6,333.6	6,429.6	13,533.7	13,850.8	14,125.7	14,356.6	14,541.5	14,678.3	14,765.1	14,799.7	14,779.8	14,703.1	14,567.2	14,369.6	14,107.8	13,779.2	13,380.8	12,910.0	12,363.8	11,739.0	11,032.5	10,241.0	
Payments into Fund - Site Receipts	-	-	6,908.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Payments into Fund - Insurance	6,144.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Interest on Fund	301.1	310.3	484.3	663.2	678.7	692.2	703.5	712.5	719.2	723.5	725.2	724.2	720.4	713.8	704.1	691.3	675.2	655.7	632.6	605.8	575.2	540.6	501.8	
Zero Debtor Days Cost	24.5	35.7	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.3	42.8	43.4	43.9	44.5	45.0	45.6	46.2	46.7	47.3	47.9	48.5	49.1	49.7	
Payments out of Fund	- -	87.0	178.6	249.4	306.8	364.0	421.0	477.8	534.4	590.7	646.6	702.3	757.5	812.4	866.9	920.9	974.4	1,027.3	1,079.8	1,131.6	1,182.7	1,233.2	1,283.0	1,331.9
Balance carried forward	6,333.6	6,429.6	13,533.7	13,850.8	14,125.7	14,356.6	14,541.5	14,678.3	14,765.1	14,799.7	14,779.8	14,703.1	14,567.2	14,369.6	14,107.8	13,779.2	13,380.8	12,910.0	12,363.8	11,739.0	11,032.5	10,241.0	9,361.1	
Compounded Contribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unitary Charge Increase		3,334	947	161	163	166	168	171	173	176	179	181	184	187	190	193	196	199	202	205	208	211	215	
Revenue Funding Increase		3,243	876	104	106	109	112	114	117	120	123	126	129	133	136	139	143	146	150	154	158	162	166	
NPVs																								
DSO	12,671																							
SPV	135,913																							
Utilities	6,611	155,196																						
RSG	84,879																							
Property Savings	36,817																							
OperationalAdmin Savings	24,957																							
Sinking Fund	8,543																							
Revenue	-	155,196																						

Project Year	2009/10	2032/33	2033/34	2034/35	2035/36	2036/37	2037/38	2038/39	2039/40	Totals	
Assumed Inflation Rate (1)	2.50%										
Indexation	50.00%										
Interest Paid to Sinking Fund	4.90%										
Actual Inflation Rate (2)	2.50%										
Provision for Penalty Deductions	0.00%										
WDC Savings Full Year											
Property Savings	2,350	4,147	4,251	4,357	4,466	4,577	4,692	4,809	4,929	108,101	
Operation/Admin. Savings	1,593	2,811	2,881	2,953	3,027	3,103	3,180	3,260	3,341	73,278	
DSO Charge Discounted Back to 2009/10 (1)	809										
DSO Charge With Actual Inflation	809	1,427	1,463	1,499	1,537	1,575	1,615	1,655	1,697		
SPV Charge Discounted Back to 2009/10 (1)	10,038										
SPV Charge With Actual Inflation	10,038	13,358	13,525	13,694	13,865	14,038	14,214	14,391	14,571		
Utilities Discounted Back to 2009/10 (1)	317										
Utilities With Actual Inflation	422	745	763	782	802	822	843	864	885		
%age Payment	64.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	24.8%	2982.7%	
DSO	- -	524	1,427	1,463	1,499	1,537	1,575	1,615	1,655	421	35,588
SPV	- -	6,505	13,358	13,525	13,694	13,865	14,038	14,214	14,391	3,614	362,037
Utilities	- -	273	745	763	782	802	822	843	864	220	18,568
Total Charge Increased by Actual Inflation (2)	11,269	15,529	15,751	15,975	16,204	16,435	16,671	16,910	17,153		
Total Charge Adjusted for %age Payment and Penalty Deductions	7,302	15,529	15,751	15,975	16,204	16,435	16,671	16,910	4,254	416,193	
SE Support	- -	4,660	7,191	7,191	7,191	7,191	7,191	7,191	1,783	214,500	214,500
WDC Savings - Property	- -	1,523	4,147	4,251	4,357	4,466	4,577	4,692	4,809	1,222	103,400
WDC Savings - Operation/Admin	- -	1,032	2,811	2,881	2,953	3,027	3,103	3,180	3,260	829	70,092
Revenue Funding Available	7,215	14,149	14,323	14,502	14,684	14,872	15,064	15,260	3,835	387,993	
Affordability gap	87.0	1,380.1	1,427.4	1,473.9	1,519.3	1,563.8	1,607.2	1,649.5	419.3		
Affordability Gap to be Met from Budget	- -	-	-	-	-	-	-	-	-	-	
Sinking Fund Contribution Required	87.0	1,380.1	1,427.4	1,473.9	1,519.3	1,563.8	1,607.2	1,649.5	419.3	-	
SINKING FUND -											
Balance brought forward	-	9,361.1	8,389.4	7,322.0	6,155.3	4,885.4	3,508.1	2,019.2	414.4	327,443.4	
Payments into Fund - Site Receipts	-	-	-	-	-	-	-	-	-	6,908.0	
Payments into Fund - Insurance	6,144.0	-	-	-	-	-	-	-	-	6,144.0	
Interest on Fund	301.1	458.7	411.1	358.8	301.6	239.4	171.9	98.9	20.3	16,515.0	
Zero Debtor Days Cost	24.5	50.3	51.0	51.6	52.3	52.9	53.6	54.2	13.6	1,364.6	
Payments out of Fund	- -	87.0	1,380.1	1,427.4	1,473.9	1,519.3	1,563.8	1,607.2	1,649.5	419.3	28,200.6
Balance carried forward	6,333.6	8,389.4	7,322.0	6,155.3	4,885.4	3,508.1	2,019.2	414.4	1.8	327,445.3	
Compounded Contribution	-	-	-	-	-	-	-	-	-	-	
Unitary Charge Increase		218	221	225	228	232	235	239	(12,656)		
Revenue Funding Increase		170	174	178	183	187	192	197	(11,426)		
NPVs											
DSO	12,671										
SPV	135,913										
Utilities	6,611										
RSG	84,879										
Property Savings	36,817										
OperationalAdmin Savings	24,957										
Sinking Fund	8,543										
Revenue	-										

West Dunbartonshire Council

Building Our Future : Schools PPP Project

Affordability Analysis

The attached spreadsheet provides a detailed analysis how the project will be funded. The following information has been extracted from the spreadsheet in order to provide a summary of the funding situation.

Funding Table

Project Year	Payments				Funding Sources				Balance to be Met from Revenue Budget £000	Annual Increase £000
	Unitary Charge £000	Payment to DSO £000	Utilities £000	Total Payments £000	SG Support £000	Revenue Savings £000	Sinking Fund Contribution £000	Total Funding £000		
2009/10	6,505	524	273	7,302	4,660	2,555	87	7,302	-	-
2010/11	9,462	772	403	10,637	6,695	3,763	179	10,637	-	-
2011/12	10,290	850	443	11,583	7,191	4,143	249	11,583	-	-
2012/13	10,419	871	454	11,744	7,191	4,246	307	11,744	-	-
2013/14	10,549	893	466	11,908	7,191	4,352	364	11,908	-	-
2014/15	10,681	915	477	12,074	7,191	4,461	421	12,074	-	-
2015/16	10,815	938	489	12,242	7,191	4,573	478	12,242	-	-
2016/17	10,950	961	502	12,413	7,191	4,687	534	12,413	-	-
2017/18	11,087	985	514	12,586	7,191	4,804	591	12,586	-	-
2018/19	11,225	1,010	527	12,762	7,191	4,924	647	12,762	-	-
2019/20	11,366	1,035	540	12,941	7,191	5,047	702	12,941	-	-
2020/21	11,508	1,061	554	13,123	7,191	5,174	758	13,123	-	-
2021/22	11,651	1,088	568	13,307	7,191	5,303	812	13,307	-	-
2022/23	11,797	1,115	582	13,494	7,191	5,435	867	13,494	-	-
2023/24	11,945	1,143	596	13,684	7,191	5,571	921	13,684	-	-
2024/25	12,094	1,171	611	13,876	7,191	5,711	974	13,876	-	-
2025/26	12,245	1,201	626	14,072	7,191	5,853	1,027	14,072	-	-
2026/27	12,398	1,231	642	14,271	7,191	6,000	1,080	14,271	-	-
2027/28	12,553	1,261	658	14,473	7,191	6,150	1,132	14,473	-	-
2028/29	12,710	1,293	675	14,678	7,191	6,303	1,183	14,678	-	-
2029/30	12,869	1,325	691	14,886	7,191	6,461	1,233	14,886	-	-
2030/31	13,030	1,358	709	15,097	7,191	6,623	1,283	15,097	-	-
2031/32	13,193	1,392	727	15,312	7,191	6,788	1,332	15,312	-	-
2032/33	13,358	1,427	745	15,529	7,191	6,958	1,380	15,529	-	-
2033/34	13,525	1,463	763	15,751	7,191	7,132	1,427	15,751	-	-
2034/35	13,694	1,499	782	15,975	7,191	7,310	1,474	15,975	-	-
2035/36	13,865	1,537	802	16,204	7,191	7,493	1,519	16,204	-	-
2036/37	14,038	1,575	822	16,435	7,191	7,680	1,564	16,435	-	-
2038/38	14,214	1,615	843	16,671	7,191	7,872	1,607	16,671	-	-
2038/39	14,391	1,655	864	16,910	7,191	8,069	1,649	16,910	-	-
2039/40	3,614	421	220	4,254	1,783	2,051	419	4,254	-	-
Totals	362,037	35,588	18,568	416,193	214,500	173,493	28,201	416,193	-	-