

WASTEWATER RECLAMATION AUTHORITY
Allocation Percentages Based on WRA / WRF Flows
Fiscal Year 2010

		<u>WRF</u>		<u>WRA</u>	
Operating and Reserve Flows:		Average	WRF	Average	WRA
Community / District		2008*	Percentage ^A	2008*	Percentage ^A
		WRF Flow	Flow	WRA Flow	Flow
	Altoona #	861.9	4.12%	861.9	3.630%
F	Ankeny	0.0	0.00%	1,921.1	8.100%
	Bondurant	0.0	0.00%	173.1	0.730%
	Clive #	790.3	3.78%	790.3	3.330%
	Cumming	0.0	0.00%	2.6	0.010%
	Des Moines #	12,852.6	61.41%	12,852.6	54.190%
	Greenfield P / HOC SS District #	88.0	0.42%	88.0	0.370%
	Johnston #	480.9	2.30%	480.9	2.030%
C	Norwalk	125.2	0.60%	394.5	1.660%
	Pleasant Hill #	431.8	2.06%	431.8	1.820%
	Polk County #	112.1	0.54%	112.1	0.470%
	Urbandale San Sewer District #	1,790.6	8.56%	1,790.6	7.550%
	Urb-Windsor Hts San District #	441.3	2.11%	441.3	1.860%
	Waukee	0.0	0.00%	430.1	1.810%
	West Des Moines #	2,951.7	14.10%	2,951.7	12.440%
TOTAL		20,926.3	100.0%	23,722.5	100.0%

Represents Communities fully connected to the WRA (WRF system).

* Represents average flow based on flows from calendar years 2006,2007,2008.

^A WRF budget allocations are computed using these percentages.

F Ankeny flow from Corp. Woods is under 1MG and not included here.

C Norwalk flow prior to connection.

Bonded Project Flows:

Core Projects

assigned to communities based on the WRA flow percents above

Expansion Projects:

Altoona	861.9	9.250%
Ankeny	1,921.1	20.620%
Bondurant	173.1	1.860%
Clive	790.3	8.480%
Cumming	2.6	0.030%
Norwalk	394.5	4.230%
Urbandale S S D	1,790.6	19.220%
Waukee	430.1	4.620%
West Des Moines	2,951.7	31.690%
	9,316.0	100.0%

SW Diversion Project:

Altoona	5.590%
Ankeny	12.340%
Bondurant	1.110%
Clive	2.230%
Cumming	0.020%
Des Moines	36.150%
Greenfield P / HOC SS District	0.250%
Johnston	1.360%
Norwalk	2.180%
Pleasant Hill	1.220%
Polk County	0.330%
Urbandale San Sewer District	11.480%
Urb-Windsor Hts San District	4.080%
Waukee	2.780%
West Des Moines	18.880%
	100.0%

After a community fully connects, the WRF flow amount will change - it will increase to match the WRA flow. This will increase a community's contribution for monthly plant operations and maintenance.

**Wastewater Reclamation Authority
Budget Allocation Implementing the Two-Tier System
Fiscal Year 2010**

	Altoona (Expansion) Altoona	Ankeny (Expansion) Ankeny	Bondurant (Expansion) Bondurant	Clive (Expansion) Clive	Cumming (Expansion) Cumming	Des Moines Des Moines	Greenfield Plaza Green Plaza	Johnston Johnston	Norwalk (Expansion) Norwalk	Pleasant Hill PI Hill	Polk County Polk Co	USSD (Expansion) USSD	UWHS UWHS	Waukee (Expansion) Waukee	West Des Moines (Expansion) West DM	Budget Totals
THREE YEAR FLOW INFORMATION - for the above Budget																
WRA Flows:																
Jan-Dec 2006	552.6	1,424.7	63.3	630.2	2.5	8,364.3	51.8	428.5	293.6	295.3	97.5	1,422.5	312.1	321.8	2,175.8	16,436.5
Jan-Dec 2007	857.9	2,084.0	208.2	816.9	2.7	12,208.8	87.3	496.7	402.6	443.0	131.6	1,854.0	491.1	478.6	3,146.8	23,710.2
Jan-Dec 2008	1,175.2	2,254.5	247.7	923.7	2.7	17,984.6	124.8	517.5	487.2	557.1	107.2	2,095.4	520.8	489.9	3,532.6	31,020.9
total for 36 months	2,586	5,763	519	2,371	7.9	38,558	264	1,443	1,183	1,295	336	5,372	1,324	1,290	8,855	71,168
Average for 12 months	861.9	1921.1	173.1	790.3	2.6	12852.6	88.0	480.9	394.5	431.8	112.1	1790.6	441.3	430.1	2951.7	23,722.5
% FLOW - WRA	3.630%	8.100%	0.730%	3.330%	0.010%	54.190%	0.370%	2.030%	1.660%	1.820%	0.470%	7.550%	1.860%	1.810%	12.440%	100.0%
WRF Flows:																
Jan-Dec 2006	552.6			630.2		8,364.3	51.8	428.5	89.8	295.3	97.5	1,422.5	312.1		2,175.8	14,420.4
Jan-Dec 2007	857.9			816.9		12,208.8	87.3	496.7	121.9	443.0	131.6	1,854.0	491.1		3,146.8	20,656.0
Jan-Dec 2008	1,175.2			923.7		17,984.6	124.8	517.5	164.0	557.1	107.2	2,095.4	520.8		3,532.6	27,702.9
total for 36 months	2,586	-	-	2,371	-	38,558	264	1,443	376	1,295	336	5,372	1,324	-	8,855	62,779
Average for 12 months	861.9	0.0	0.0	790.3	0.0	12852.6	88.0	480.9	125.2	431.8	112.1	1790.6	441.3	0.0	2951.7	20,926.4
% FLOW - WRF	4.120%	0.000%	0.000%	3.780%	0.000%	61.410%	0.420%	2.300%	0.600%	2.060%	0.540%	8.560%	2.110%	0.000%	14.100%	100.0%

WASTEWATER RECLAMATION AUTHORITY

Debt Service for pre 7/1/04 Commitments
Fiscal Year 2010

SRF & 2004 A

Debt Issue	Warren County											Total	Debt Issue
	Clive	Des Moines	Johnston	Pleasant Hill	Polk County	USSD	UWHS	Greenfield	Norwalk	West Des Moines			
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
2004A (refunding)													2004A (refunding)
Percentage	0.57%	78.61%	1.39%	3.59%	8.91%	1.91%	1.23%	0.80%	1.08%	1.90%	100.00%		Percentage
Principal	21,902	2,898,946	50,953	134,603	331,728	72,166	46,904	29,921	40,481	72,396	3,700,000		Principal
Interest	2,131	389,703	7,244	15,471	41,053	7,827	4,609	3,477	4,705	7,030	483,250		Interest
Gross Principal and Interest	24,033	3,288,649	58,197	150,074	372,781	79,993	51,513	33,398	45,186	79,426	4,183,250		Gross Principal and Interest
Reserve Interest Income	(316)	(43,238)	(765)	(1,973)	(4,901)	(1,052)	(677)	(439)	(594)	(1,044)	(55,000)		Reserve Interest Income
Net Debt Service	23,717	3,245,411	57,432	148,101	367,880	78,941	50,836	32,959	44,592	78,382	4,128,250		Net Debt Service
SRF 04 1995													SRF 04 1995
Percentage	10.15%	20.57%	0.00%	0.00%	0.00%	20.65%	11.63%	0.00%	0.00%	37.00%	100.00%		Percentage
Principal	18,372	37,232	0	0	0	37,377	21,050	0	0	66,970	181,000		Principal
Interest	3,630	7,356	0	0	0	7,384	4,159	0	0	13,231	35,760		Interest 3%
Fees	302	613	0	0	0	615	347	0	0	1,103	2,980		Fees
Gross Principal and Interest	22,304	45,201	0	0	0	45,376	25,556	0	0	81,304	219,740		Gross Principal and Interest
Reserve Interest Income	(508)	(1,029)	0	0	0	(1,033)	(582)	0	0	(1,850)	(5,000)		Reserve Interest Income
Net Debt Service	21,796	44,172	0	0	0	44,344	24,974	0	0	79,454	214,740		Net Debt Service
SRF 06 1995													SRF 06 1995
Percentage	2.31%	71.08%	0.79%	2.15%	5.44%	6.25%	2.63%	0.53%	0.72%	8.10%	100.00%		Percentage
Principal	14,669	451,358	5,017	13,653	34,544	39,688	16,701	3,366	4,572	51,435	635,000		Principal
Interest	3,534	108,731	1,208	3,289	8,322	9,561	4,023	811	1,101	12,391	152,970		Interest 3%
Fees	294	9,061	101	274	693	797	335	68	92	1,033	12,748		Fees
Gross Principal and Interest	18,497	569,150	6,326	17,215	43,559	50,045	21,059	4,244	5,765	64,858	800,718		Gross Principal and Interest
Reserve Interest Income	(693)	(21,324)	(237)	(645)	(1,632)	(1,875)	(789)	(159)	(216)	(2,430)	(30,000)		Reserve Interest Income
Net Debt Service	17,804	547,826	6,089	16,570	41,927	48,170	20,270	4,085	5,549	62,428	770,718		Net Debt Service
SRF 07 1996													SRF 07 1996
Percentage	2.31%	71.08%	0.79%	2.15%	5.44%	6.25%	2.63%	0.53%	0.72%	8.10%	100.00%		Percentage
Principal	7,392	227,456	2,528	6,880	17,408	20,000	8,416	1,696	2,304	25,920	320,000		Principal
Interest	2,353	72,416	805	2,190	5,542	6,368	2,679	540	734	8,252	101,880		Interest 3%
Fees	196	6,035	67	183	462	531	223	45	61	688	8,490		Fees
Gross Principal and Interest	9,942	305,907	3,400	9,253	23,412	26,898	11,319	2,281	3,099	34,860	430,370		Gross Principal and Interest
Reserve Interest Income	(208)	(6,397)	(71)	(194)	(490)	(563)	(237)	(48)	(65)	(729)	(9,000)		Reserve Interest Income
Net Debt Service	9,734	299,510	3,329	9,059	22,923	26,336	11,082	2,233	3,034	34,131	421,370		Net Debt Service
Adjustment													
Redistribution of payment from:													
1) Greenfield Plaza	(555)	(16,868)		(470)		(1,337)	(1,124)	22,200		(1,846)	0		Greenfield Plaza
	(555)	(16,868)	0	(470)	0	(1,337)	(1,124)	22,200	0	(1,846)	0		
Net Debt Service to Communities													
for Existing Debt	72,495	4,120,051	66,849	173,261	432,729	196,454	106,038	61,477	53,175	252,549	5,535,078		
Subtotal 2004 A	24,033	3,288,649	58,197	150,074	372,781	79,993	51,513	33,398	45,186	79,426	4,183,250		Subtotal Debt Service Re
Subtotal SRF	50,742	920,258	9,726	26,468	66,971	122,319	57,933	6,525	8,864	181,022	1,450,828		Subtotal Debt Service SRF

WASTEWATER RECLAMATION AUTHORITY
Debt Service and Surcharges for New Money / 2004 Issue (w/Reallocation)
Fiscal Year 2010

	Debt Servicing															Total \$
	Cumming Surcharge	Waukeese Surcharge	Altoona (Expansion)	Ankeny (Expansion)	Bondurant (Expansion)	Clive (Expansion)	Des Moines	Greenfield Plaza	Johnston	Norwalk (Expansion)	Pleasant Hill	Polk County	USSD (Expansion)	UWHSO	West Des Moines (Expansion)	
2004 B / New Core Money																
Percentage	0.010%	1.810%	3.630%	8.100%	0.730%	3.330%	54.190%	0.370%	2.030%	1.660%	1.820%	0.470%	7.550%	1.860%	12.440%	100.0%
Principal	64	11,494	23,051	51,435	4,636	21,146	344,107	2,350	12,891	10,541	11,557	2,985	47,943	11,811	78,994	635,000
Interest	152	27,535	55,222	123,223	11,105	50,658	824,379	5,629	30,882	25,253	27,687	7,150	114,856	28,296	189,247	1,521,275
Gross Principal and Interest	216	39,029	78,273	174,658	15,741	71,804	1,168,485	7,978	43,772	35,794	39,244	10,134	162,799	40,107	268,241	2,156,275
Reserve Interest Income	(7)	(1,281)	(2,570)	(5,735)	(517)	(2,358)	(38,367)	(262)	(1,437)	(1,175)	(1,289)	(333)	(5,345)	(1,317)	(8,808)	(70,800)
Net Debt Service	209	37,747	75,703	168,923	15,224	69,446	1,130,119	7,716	42,335	34,619	37,956	9,802	157,453	38,790	259,433	2,085,475
2004 B / New Expansion Money																
Percentage	0.030%	4.620%	9.250%	20.620%	1.860%	8.480%	0.000%	0.000%	0.000%	4.230%	0.000%	0.000%	19.220%	0.000%	31.690%	100.0%
Principal	105	16,216	32,468	72,376	6,529	29,765	0	0	0	14,847	0	0	67,462	0	111,232	351,000
Interest	319	49,058	98,223	218,957	19,751	90,046	0	0	0	44,917	0	0	204,091	0	336,506	1,061,868
Gross Principal and Interest	424	65,275	130,690	291,333	26,279	119,811	0	0	0	59,764	0	0	271,553	0	447,738	1,412,868
Reserve Interest Income	(15)	(2,241)	(4,486)	(10,001)	(902)	(4,113)	0	0	0	(2,052)	0	0	(9,322)	0	(15,370)	(48,500)
Net Debt Service	409	63,034	126,204	281,333	25,377	115,698	0	0	0	57,713	0	0	262,232	0	432,368	1,364,368
2004 B / New SW Area Money																
Percentage	0.020%	2.780%	5.590%	12.340%	1.110%	2.230%	36.150%	0.250%	1.360%	2.180%	1.220%	0.330%	11.480%	4.080%	18.880%	100.0%
Principal	33	4,559	9,168	20,238	1,820	3,657	59,286	410	2,230	3,575	2,001	541	18,827	6,691	30,963	164,000
Interest	99	13,809	27,767	61,295	5,514	11,077	179,564	1,242	6,755	10,828	6,060	1,639	57,023	20,266	93,781	496,720
Gross Principal and Interest	132	18,368	36,934	81,533	7,334	14,734	238,850	1,652	8,986	14,404	8,061	2,180	75,851	26,957	124,744	660,720
Reserve Interest Income	(4)	(570)	(1,146)	(2,530)	(228)	(457)	(7,411)	(51)	(279)	(447)	(250)	(68)	(2,353)	(836)	(3,870)	(20,500)
Net Debt Service	128	17,798	35,788	79,003	7,106	14,277	231,440	1,601	8,707	13,957	7,811	2,113	73,497	26,121	120,874	640,220
Subtotal Net Debt Serv or Surchg	746	118,579	237,695	529,259	47,708	199,422	1,361,558	9,317	51,042	106,288	45,766	11,914	493,182	64,911	812,675	4,090,063
Subtotal 2004 B Issue	772	122,671	245,897	547,525	49,354	206,349	1,407,336	9,630	52,758	109,962	47,305	12,315	510,203	67,064	840,722	4,229,863
Reserve Interest Earnings																
Core	(7)	(1,281)	(2,570)	(5,735)	(517)	(2,358)	(38,367)	(262)	(1,437)	(1,175)	(1,289)	(333)	(5,345)	(1,317)	(8,808)	(70,800)
Expansion	(15)	(2,241)	(4,486)	(10,001)	(902)	(4,113)	0	0	0	(2,052)	0	0	(9,322)	0	(15,370)	(48,500)
SW	(4)	(570)	(1,146)	(2,530)	(228)	(457)	(7,411)	(51)	(279)	(447)	(250)	(68)	(2,353)	(836)	(3,870)	(20,500)
Net Debt Service or Surcharge	746	118,579	237,695	529,259	47,708	199,422	1,361,558	9,317	51,042	106,288	45,766	11,914	493,182	64,911	812,675	4,090,063

1,150,000 Principal
3,079,863 Interest on 2004B

WASTEWATER RECLAMATION AUTHORITY
 Debt Service New Money / 2006 Issue
 Fiscal Year 2010

	Debt Servicing															Total \$	
	New Surcharge	Altoona (Expansion)	Ankeny (Expansion)	Bondurant (Expansion)	Clive (Expansion)	Cumming (Expansion)	Des Moines	Greenfield Plaza	Johnston	Norwalk (Expansion)	Pleasant Hill	Polk County	USSD (Expansion)	UWHS	Waukee (Expansion)		West Des Moines (Expansion)
2006 / New Core Money																	
Percentage	0.000%	3.630%	8.100%	0.730%	3.330%	0.010%	54.190%	0.370%	2.030%	1.660%	1.820%	0.470%	7.550%	1.860%	1.810%	12.440%	100.0%
Principal	0	7,151	15,957	1,438	6,560	20	106,754	729	3,999	3,270	3,585	926	14,874	3,664	3,566	24,507	197,000
Interest	0	16,765	37,410	3,371	15,380	46	250,275	1,709	9,376	7,667	8,406	2,171	34,670	8,590	8,359	57,454	461,848
Gross Principal and Interest	0	23,916	53,367	4,810	21,940	66	357,030	2,438	13,375	10,937	11,991	3,097	49,743	12,255	11,925	81,961	658,848
Reserve Interest Income	0	(468)	(1,045)	(94)	(430)	(1)	(6,991)	(48)	(262)	(214)	(235)	(61)	(974)	(240)	(233)	(1,605)	(12,900)
Net Debt Service	0	23,448	52,322	4,715	21,510	65	350,039	2,390	13,113	10,723	11,756	3,036	48,769	12,015	11,692	80,356	645,948
2006 / New Expansion Money																	
Percentage	0.000%	9.250%	20.620%	1.860%	8.480%	0.030%	0.000%	0.000%	0.000%	4.230%	0.000%	0.000%	19.220%	0.000%	4.620%	31.690%	100.0%
Principal	0	21,738	48,457	4,371	19,928	71	0	0	0	9,941	0	0	45,167	0	10,857	74,472	235,000
Interest	0	51,070	113,845	10,269	46,819	166	0	0	0	23,354	0	0	106,115	0	25,507	174,963	552,188
Gross Principal and Interest	0	72,807	162,302	14,640	66,747	236	0	0	0	33,295	0	0	151,282	0	36,364	249,435	787,188
Reserve Interest Income	0	(1,425)	(3,175)	(286)	(1,306)	(5)	0	0	0	(651)	0	0	(2,960)	0	(711)	(4,880)	(15,400)
Net Debt Service	0	71,383	159,126	14,354	65,441	232	0	0	0	32,643	0	0	148,322	0	35,653	244,554	771,708
2006 / New SW Area Money																	
Percentage	0.000%	5.590%	12.340%	1.110%	2.230%	0.020%	36.150%	0.250%	1.360%	2.180%	1.220%	0.330%	11.480%	4.080%	2.780%	18.880%	100.0%
Principal	0	17,776	39,241	3,530	7,091	64	114,957	795	4,325	6,932	3,880	1,049	36,506	12,974	8,840	60,038	318,000
Interest	0	42,278	93,330	8,395	16,866	151	273,410	1,891	10,286	16,488	9,227	2,496	86,826	30,858	21,026	142,793	756,320
Gross Principal and Interest	0	60,054	132,571	11,925	23,957	215	388,367	2,686	14,611	23,420	13,107	3,545	123,332	43,832	29,866	202,832	1,074,320
Reserve Interest Income	0	(1,179)	(2,604)	(234)	(471)	(4)	(7,628)	(53)	(287)	(460)	(257)	(70)	(2,422)	(861)	(587)	(3,984)	(21,100)
Net Debt Service	0	58,875	129,967	11,691	23,487	211	380,739	2,633	14,324	22,960	12,849	3,476	120,910	42,971	29,280	198,848	1,053,220
Subtotal Net Debt Serv or Surchg	0	153,706	341,415	30,760	110,438	507	730,778	5,023	27,437	66,326	24,606	6,512	318,001	54,986	76,624	523,758	2,470,876
Subtotal 2006 Issue	0	156,778	348,239	31,375	112,644	517	745,396	5,124	27,985	67,652	25,098	6,642	324,357	56,087	78,156	534,227	2,520,276
Reserve Interest Earnings																	
Core	0	(468)	(1,045)	(94)	(430)	(1)	(6,991)	(48)	(262)	(214)	(235)	(61)	(974)	(240)	(233)	(1,605)	(12,900)
Expansion	0	(1,425)	(3,175)	(286)	(1,306)	(5)	0	0	0	(651)	0	0	(2,960)	0	(711)	(4,880)	(15,400)
SW	0	(1,179)	(2,604)	(234)	(471)	(4)	(7,628)	(53)	(287)	(460)	(257)	(70)	(2,422)	(861)	(587)	(3,984)	(21,100)
Net Debt Service or Surcharge	0	153,706	341,415	30,760	110,438	507	730,778	5,023	27,437	66,326	24,606	6,512	318,001	54,986	76,624	523,758	2,470,876

750,000 Principal
 1,770,276 Interest on 2006A