



To: WRA Board Members:  
 Re: Wastewater Reclamation Authority Budget for Fiscal Year ending June 30, 2022

The Operating Contractor respectfully submits the fiscal year 2022 Wastewater Reclamation Authority (WRA) proposed budget for your review. Detailed throughout these pages are all aspects of the budget. Each section supports and analyses the following areas: operations, debt service, surcharges/credits, and capital improvements.

The WRA preliminary gross budget for fiscal year 2022 is \$111,965,432 compared to the fiscal year 2021 adopted gross budget of \$96,312,880 and re-estimate of \$89,448,850. Debt service increased \$123,161 for additional loan servicing. The gross operation and maintenance budget increased \$250,000 for additional staffing and utility costs. Reserve budget for fiscal year 2022 includes \$40,000 to increase the working capital reserve and \$43,029 to increase the supplemental insurance reserves. Reserve budget for fiscal year 2021 includes \$400,000 to increase the working capital reserve and no change in the supplemental insurance reserve for workers' compensation.

#### Gross Budget Summary

	FY2021 Re-Estimate	FY2022 Preliminary	Change
<b>Operating Budget</b>			
Operation, Maint. & Insurance	\$ 26,161,837	\$ 26,411,837	250,000
Debt Service	29,028,855	29,152,016	123,161
Reserve changes	400,000	83,029	(316,971)
Equipment Replacement	600,000	550,000	(50,000)
	<u>56,190,692</u>	<u>56,196,882</u>	<u>6,190</u>
<b>Capital Budget</b>	33,257,850	55,768,550	22,510,700
<b>Total Gross Budget</b>	<u>\$ 89,448,542</u>	<u>\$ 111,965,432</u>	<u>22,516,890</u>

The CIP total increased to \$621,352,438 and includes construction past the year 2030. Cost of construction for FY2022 to FY2027 is estimated at \$418,488,790; last year's estimate was \$415,094,408. Several project changes are included that affect treatment of wastewater at the facility. WRA finances most improvements with the Clean Water State Revolving Funds Loan program. In calendar 2021, senior bond issues of approximately \$50,650,000 are planned. WRA's debt service plan includes both 20 year and 30 year financing terms on its loans.

Total operating offsets for fiscal year 2022 are \$12,167,102 which compare to the fiscal year 2021 offsets of \$11,090,583. Revenues from the industrial pretreatment program, biogas sales, and prior year credits offset the WRA gross budget. Other revenues include operating offsets for new biogas sales and debt service offsets began in fiscal 2021 but are not fully contracted yet. The budget adjustments shown below include

operation/maintenance and debt service adjustments that represent the difference between actual costs and budgeted collections for prior years.

Summary of Budget Offsets

	FY2021 Re-Estimate	FY2022 Preliminary	Change
<b>Operating Budget</b>			
Pretreatment Revenues	\$ 4,095,000	\$ 4,095,000	-
Other Operating Revenues	2,015,000	2,880,000	865,000
Adjustment from prior years	2,950,583	3,342,102	391,519
Debt Service Biogas Offset	1,200,000	1,200,000	-
Debt Reserve Earnings	350,000	230,000	(120,000)
Equip Repl Earnings & Fund bal	480,000	420,000	(60,000)
	<u>11,090,583</u>	<u>12,167,102</u>	<u>1,076,519</u>

Inclusion here is by direction from the Second Amended and Restated Agreement for the WRA [Article IX, Section 3 (i)]. The community contribution requirement is determined by the net budget and shared among the participating communities primarily by flows. For fiscal year 2022 the requirement is \$48,529,780 compared to \$49,300,109 in fiscal year 2021. Most of the decrease is attributed to biogas revenue offsets.

Community Contribution Summary (Net Budget)

	FY2021 Budget	FY2022 Preliminary	Change
<b>Net Budget</b>			
Operations, Maint. & Ins.	\$ 17,949,708	\$ 16,849,825	(1,099,883)
Debt Service	26,630,401	27,009,955	379,554
Operating Reserves	400,000	40,000	(360,000)
Equipment Replacement	120,000	130,000	10,000
Renewal & Replacement	<u>4,200,000</u>	<u>4,500,000</u>	<u>300,000</u>
<b>Community Contributions</b>	<b>\$ 49,300,109</b>	<b>\$ 48,529,780</b>	<b>\$ (770,329)</b>

This budget, as presented, will allow the WRA to meet its responsibilities of operating and maintaining a facility that continues to meet the wastewater treatment needs of participating communities. It allows the WRA to meet federal and state mandates for pretreatment and effluent discharge standards as required by law.

Respectfully Submitted,



Scott Hutchens  
WRA Director

Cc: Alternates, Operating Contractor staff

**WASTEWATER RECLAMATION AUTHORITY**

Net Budget Allocation Summary [C]

Fiscal Year 2022

**Recommended**

<u>Budget Collections</u>	Fiscal Year 2021 Amended Budget	Fiscal Year 2021 Budget	Fiscal Year 2022 Budget	increase or (decrease)
Community Collections [see below]	49,300,109	49,300,109	48,529,780	(770,329)
<u>Budget Expenditures</u>				
Plant Operations	18,349,708	18,349,708	16,846,796	(1,502,912)
Debt Service, net of credits	26,630,401	26,630,401	27,009,955	379,554
CIP / R&R expenditures	4,200,000	4,200,000	4,500,000	300,000
Equipment replacement	120,000	120,000	130,000	10,000
Supplemental Ins. Reserve		0	43,029	43,029
<b>Total Budget</b>	<b>49,300,109</b>	<b>49,300,109</b>	<b>48,529,780</b>	<b>(770,329)</b>

<u>Budget Alloc to each Comnty</u>	Amend F21 Budget Ttl	Last Yr Budget Ttl	This Yr Budget Ttl	increase or (decrease)
Altoona	2,405,571	2,405,571	2,285,648	(119,923)
Ankeny	13,064,069	13,064,069	6,247,419	(6,816,650)
Bondurant	796,588	796,588	811,465	14,877
Clive	1,653,818	1,653,818	1,827,146	173,328
Cumming	39,901	39,901	38,804	(1,097)
Des Moines	13,713,990	13,713,990	19,837,904	6,123,914
GP HOC	185,303	185,303	251,904	66,601
Johnston	1,026,155	1,026,155	1,137,478	111,323
Norwalk	1,016,312	1,016,312	1,169,895	153,583
Pleasant Hill	608,366	608,366	802,817	194,451
Polk City	353,141	353,141	380,787	27,646
Polk County	99,246	99,246	584,891	485,645
USSD	3,864,098	3,864,098	4,217,833	353,735
U W SD	480,588	480,588	769,917	289,329
Waukee	4,215,218	4,215,218	1,516,344	(2,698,874)
West Des Moines	5,777,745	5,777,745	6,649,528	871,783
<b>Total Collections</b>	<b>49,300,109</b>	<b>49,300,109</b>	<b>48,529,780</b>	

**WASTEWATER RECLAMATION AUTHORITY**

Net Budget Allocation Summary [A]

Fiscal Year 2022

Current Information

Community / District		Fiscal Year		Fiscal Year	Fiscal Year		Fiscal Year	Percentage Change from Prior Year
		2019 Budget *	2019 Amend Budget *	2020 Budget *	2021 Budget *	2021 Amend Budget	2022 Budget	
Altoona	#	2,425,124	2,425,124	2,560,366	2,405,571	2,405,571	2,285,648	-4.99%
Ankeny	#	7,350,592	7,350,592	7,970,206	13,064,069	13,064,069	6,247,419	-52.18%
Bondurant	#	695,097	695,097	780,488	796,588	796,588	811,465	1.87%
Clive	#	1,837,576	1,810,641	1,887,101	1,653,818	1,653,818	1,827,146	10.48%
Cumming	#	31,425	31,425	38,676	39,901	39,901	38,804	-2.75%
Des Moines		17,280,798	16,452,005	18,680,500	13,713,990	13,713,990	19,837,904	44.65%
Greenfield Plaza		170,439	164,259	192,823	185,303	185,303	251,904	35.94%
Johnston		885,210	875,999	1,041,126	1,026,155	1,026,155	1,137,478	10.85%
Norwalk	#	1,256,795	2,414,400	1,040,615	1,016,312	1,016,312	1,169,895	15.11%
Pleasant Hill		608,424	583,355	718,838	608,366	608,366	802,817	31.96%
Polk City	#	305,813	305,813	308,128	353,141	353,141	380,787	7.83%
Polk County		347,347	283,917	451,977	99,246	99,246	584,891	489.33%
Urbandale San Sewer District	#	4,101,862	4,028,987	4,395,479	3,864,098	3,864,098	4,217,833	9.15%
Urb-Windsor Hts San District		551,345	520,679	605,483	480,588	480,588	769,917	60.20%
Waukee	#	1,842,733	1,842,733	2,001,594	4,215,218	4,215,218	1,516,344	-64.03%
West Des Moines	#	6,384,721	6,290,275	6,453,393	5,777,745	5,777,745	6,649,528	15.09%
TOTAL		46,075,301	46,075,301 surchg Norwalk	49,126,793	49,300,109 surchg Ankeny & Waukee	49,300,109	48,529,780	-1.56%

# Denotes Expansion Community

Budget \* Represents allocation activity presented in previous budgets.

	2021	2022	
Debt Serv 2008+	22,613,486	22,750,047	0.60%
Debt Serv 2015e	2,212,044	2,216,794	0.21%
Debt Serv 2013b	4,203,325	4,185,175	-0.43%
Other, DS Credit	(1,200,000)	(1,200,000)	
Oper & Maint (net)	20,051,837	19,436,837	-3.07%
R&R/CIP Contrib.	4,200,000	4,500,000	7.14%
Other, Credits	(2,780,583)	(3,359,073)	20.80%
	49,300,109	48,529,780	

**WASTEWATER RECLAMATION AUTHORITY**  
**Net Budget Allocation Summary [B]**  
**Fiscal Year 2022**

	Fiscal Year		Last Year's Change increase or (decrease)	Recommendation Amounts		Current Year Change increase or (decrease)
	2020 Am Budget	Fiscal Year 2021 Budget		Fiscal Year 2021 Am Budget	Fiscal Year 2022 Budget	
<b>Budget Collections</b>						
Community Collections	49,126,793	49,300,109	173,316	49,300,109	48,529,780	(770,329)
<b>Budget Expenditures</b>						
Plant Operations [see below]	18,349,147	18,349,708	561	18,349,708	16,846,796	(1,502,912)
Debt Service [see below]	26,099,896	26,630,401	530,505	26,630,401	27,009,955	379,554
CIP / R&R expenditures	4,567,750	4,200,000	(367,750)	4,200,000	4,500,000	300,000
Equipment replacement	110,000	120,000	10,000	120,000	130,000	10,000
Supplemental Ins. Reserve	0	0	0	0	43,029	43,029
<b>Total Budget</b>	<b>49,126,793</b>	<b>49,300,109</b>	<b>173,316</b>	<b>49,300,109</b>	<b>48,529,780</b>	<b>(770,329)</b>
-						
<b>Plant Operations &amp; Maint</b>						
Operations & Maintenance Costs	25,036,000	26,161,837	1,125,837	26,161,837	26,411,837	250,000
Revenue Offsets	(6,050,000)	(6,110,000)	(60,000)	(6,110,000)	(6,975,000)	(865,000)
Working Cap Resv adjustment	520,000	400,000	(120,000)	400,000	40,000	(360,000)
Prior year credits	(1,156,853)	(2,102,129)	(945,276)	(2,102,129)	(2,630,041)	(527,912)
<b>Plant Oper. subtotal</b>	<b>18,349,147</b>	<b>18,349,708</b>	<b>561</b>	<b>18,349,708</b>	<b>16,846,796</b>	<b>(1,502,912)</b>
<b>Debt Servicing</b>						
SRF Debt (2016/2017 ESI)	3,603,920	3,988,008	384,088	3,988,008	3,989,740	1,732
SRF Debt (2018D Biogas)			0	1,196,948	1,195,256	(1,692)
SRF Debt (2018+ new projects)	1,452,796	3,254,780	1,801,984	2,247,832	2,514,856	267,024
SRF Debt (2008-2010)	4,527,542	4,246,153	(281,389)	4,056,153	3,926,260	(129,893)
SRF Debt (2011-2016)	11,129,997	11,124,545	(5,452)	11,124,545	11,123,935	(610)
2004/2013 Bonds	3,931,275	4,203,325	272,050	4,203,325	4,185,175	(18,150)
2006/2015 Bonds	2,214,294	2,212,044	(2,250)	2,212,044	2,216,794	4,750
<b>subtotal</b>	<b>26,859,824</b>	<b>29,028,855</b>	<b>2,169,031</b>	<b>29,028,855</b>	<b>29,152,016</b>	<b>123,161</b>
Interest adjustments	(110,000)	(350,000)	(240,000)	(350,000)	(230,000)	120,000
Revenue Offsets	0	(1,200,000)	(1,200,000)	(1,200,000)	(1,200,000)	0
Prior year adj & credits	(649,928)	(848,454)	(198,526)	(848,454)	(712,061)	136,393
<b>Debt Service, Net subtotal</b>	<b>26,099,896</b>	<b>26,630,401</b>	<b>530,505</b>	<b>26,630,401</b>	<b>27,009,955</b>	<b>379,554</b>

**Wastewater Reclamation Authority  
Budget Allocation Implementing the Two-Tier System  
Fiscal Year 2022**

	Altoona (Expansion)	Ankeny (Expansion)	Bondurant (Expansion)	Clive (Expansion)	Cumming (Expansion)	Des Moines	Greenfield Plaza	Johnston	Norwalk (Expansion)
<b>Operations and Maintenance Budget</b>									
WRF Flows									
Flow Percentage:	3.911%	10.139%	1.096%	3.120%	0.050%	49.614%	0.615%	2.799%	1.970%
Gross O&M Expenses	1,032,967	2,677,896	289,474	824,049	13,206	13,103,969	162,433	739,267	520,313
Less:									
Revenue Offsets	(272,792)	(707,195)	(76,446)	(217,620)	(3,488)	(3,460,577)	(42,896)	(195,230)	(137,408)
<i>subtotal A</i>									
<b>Net O&amp;M Allocation</b>	<b>760,175</b>	<b>1,970,701</b>	<b>213,028</b>	<b>606,429</b>	<b>9,718</b>	<b>9,643,392</b>	<b>119,537</b>	<b>544,037</b>	<b>382,906</b>

<b>Surcharge Allocation</b>									
Reversionary Ownership % (from 28E @ 7/1/2004)				2.31%		71.08%	0.53%	0.79%	0.72%
Reversionary Ownership % (from update 7/1/2006)		0.50%		2.30%		70.67%	0.53%	0.79%	0.78%
Surcharge, per 28E scheduled									
Ankeny (fully paid in FY2021)	-	-	-	-	-	-	-	-	-
Norwalk (fully paid in FY2019)	-	-	-	-	-	-	-	-	-
Bondurant	-	-	164,778	(3,806)	-	(117,124)	(873)	(1,302)	(1,186)
Surcharge, per 28E's new commy									
Cumming	(47)	-	-	(218)	9,461	(6,686)	(50)	(75)	(74)
Waukee (fully paid in FY2021)	-	-	-	-	-	-	-	-	-
Polk City (fully paid in FY2015)	-	-	-	-	-	-	-	-	-
Conveyance Surcharge NONE (fully paid)									
<i>subtotal B</i>									
<b>Surcharge Allocation</b>	<b>-</b>	<b>(47)</b>	<b>164,778</b>	<b>(4,024)</b>	<b>9,461</b>	<b>(123,810)</b>	<b>(923)</b>	<b>(1,376)</b>	<b>(1,260)</b>

<b>CIP/ R&amp;R Reserve Contribution</b>									
WRA Flows									
Flow Percentage:	3.911%	10.139%	1.096%	3.120%	0.050%	49.614%	0.615%	2.799%	1.970%
Capital Projects:									
Collected for Plant Projects/non bonded improvements	117,330	304,170	32,880	93,600	1,500	1,488,420	18,450	83,970	59,100
includes: Facility Plan & Rehabilitation, Small CIP Projects	-	-	-	-	-	-	-	-	-
Collected for Admin Costs on SRF funded projects	58,665	152,085	16,440	46,800	750	744,210	9,225	41,985	29,550
<i>subtotal C</i>									
<b>R&amp;R Reserve/Annual Contribution</b>	<b>175,995</b>	<b>456,255</b>	<b>49,320</b>	<b>140,400</b>	<b>2,250</b>	<b>2,232,630</b>	<b>27,675</b>	<b>125,955</b>	<b>88,650</b>

<b>Adjustment from prior year</b>									
<b>Operations &amp; Maintenance - FY2020</b>									
Credits from Adjustment sheet - O&M	(113,064)	(267,738)	(28,246)	(85,923)	(1,341)	(1,314,937)	(13,204)	(67,672)	(46,868)
Operations & Maintenance - current (using WRA flow)									
Collection for Increase to Working Capital Reserve	1,564	4,056	438	1,248	20	19,846	246	1,120	788
<b>Debt Service Credits - FY2020 in Budget F22</b>									
Debt Service collected over actuals ESI P27 loans	(16,784)	(39,745)	(4,193)	(12,755)	(199)	(195,198)	(1,960)	(10,045)	(6,957)
Debt Service FY2020 SRF collected vs. actuals (all other)	(21,266)	(50,360)	(5,314)	(16,161)	(252)	(97,172)	(976)	(5,001)	(8,816)
<i>subtotal D</i>									
<b>Credits from prior year(s)</b>	<b>(149,550)</b>	<b>(353,786)</b>	<b>(37,315)</b>	<b>(113,591)</b>	<b>(1,772)</b>	<b>(1,587,461)</b>	<b>(15,894)</b>	<b>(81,599)</b>	<b>(61,853)</b>

<b>Insurance Reserve &amp; Suppl Resv Balance (reallocated)</b>									
WRF Flows									
Flow Percentage:	3.911%	10.139%	1.096%	3.120%	0.050%	49.614%	0.615%	2.799%	1.970%
Insurance Funds:									
Property Claim Reserve	19,555	50,695	5,480	15,600	250	248,070	3,075	13,995	9,850
Catastrophic Work Comp Reserve	43,021	111,529	12,056	34,320	550	545,754	6,765	30,789	21,670
Catastrophic Gen/Auto Liability Reserve	5,867	15,209	1,644	4,680	75	74,421	923	4,199	2,955
Public Officials Liability Claim Reserve	978	2,535	274	780	13	12,404	154	700	493
Reserve Total	69,420	179,967	19,454	55,380	888	880,649	10,916	49,682	34,968
Work Comp Additional Collection for Suppl Reserve	5,402	14,005	1,514	4,310	69	68,532	849	3,866	2,721
Additional layer work comp reserve 2014 (none for 2017)	1,338	3,469	375	1,068	17	16,977	210	958	674
Additional layer work comp reserve 2015 (none for 2018)	4,719	12,233	1,322	3,764	60	59,862	742	3,377	2,377
Additional layer work comp reserve 2016 (none for 2019)	(5,798)	(15,030)	(1,625)	(4,625)	(74)	(73,548)	(912)	(4,149)	(2,920)
Additional layer work comp reserve 2022 (none for 20,21)	1,683	4,363	472	1,343	22	21,349	265	1,204	848
<b>Insurance Resv Allocation</b>	<b>76,765</b>	<b>199,008</b>	<b>21,512</b>	<b>61,239</b>	<b>981</b>	<b>973,820</b>	<b>12,071</b>	<b>54,939</b>	<b>38,667</b>

Pleasant Hill	Polk City (Expansion)	Polk County	USSD (Expansion)	UWHSD	Waukee (Expansion)	West Des Moines (Expansion)	Budget Totals	
1.990%	0.607%	1.123%	7.218%	1.893%	2.559%	11.296%	100.0%	WRF Flows Flow Percentage
525,596	160,320	296,605	1,906,406	499,976	675,879	2,983,481	26,411,837	- Gross O&M Expenses
(138,803)	(42,338)	(78,329)	(503,456)	(132,037)	(178,490)	(787,896)	(6,975,000)	- Revenue Offsets
<b>386,793</b>	<b>117,982</b>	<b>218,276</b>	<b>1,402,951</b>	<b>367,939</b>	<b>497,389</b>	<b>2,195,585</b>	<b>19,436,837</b>	- <b>O&amp;M Exp Alloc</b>

2.15%		5.44%	6.25%	2.63%		8.10%	100.00%	Reversionary Ownership % for Ank/Nor/Bond
2.14%		5.41%	6.22%	2.61%		8.05%	100.00%	Reversionary Ownership % for Cumming
-	-	-	-	-	-	-	-	Scheduled surcharge from 28E in 2014 (Ankeny paid F21)
(3,543)	(8,964)	(10,299)	(4,334)	-	(13,347)	0	(164,778)	(Norwalk paid F19)
(202)	(512)	(588)	(247)	-	(762)	-	(9,461)	Bondurant Surcharge for New Commy: Cumming, WRF
-	-	-	-	-	-	-	-	Grimes, WRF (Waukee paid F21) (Polk City paid F15) (starts F22)
<b>(3,745)</b>	<b>-</b>	<b>(9,476)</b>	<b>(10,887)</b>	<b>(4,581)</b>	<b>-</b>	<b>(14,109)</b>	<b>0</b>	<b>0 Surcharge Allocation</b>

1.990%	0.607%	1.123%	7.218%	1.893%	2.559%	11.296%	100.0%	WRA Flows percents for Capital project allocation
59,700	18,210	33,690	216,540	56,790	76,770	338,880	3,000,000	Plant Projects, Small CIP, Admin on plant projects
-	-	-	-	-	-	-	-	WR069, WR118, WR116, WR121 included above
29,850	9,105	16,845	108,270	28,395	38,385	169,440	1,500,000	WR088,105,111,113,115,119, 122,23,24 admin costs
<b>89,550</b>	<b>27,315</b>	<b>50,535</b>	<b>324,810</b>	<b>85,185</b>	<b>115,155</b>	<b>508,320</b>	<b>4,500,000</b>	- <b>R&amp;R Community Contribution Allocation</b>

(49,050)	(12,941)	(27,642)	(200,382)	(42,922)	(63,442)	(294,669)	(2,630,041)	WRF Flow based Credit for O&M Unspent Budget
796	243	449	2,887	757	1,024	4,518	40,000	Collect for Increase Work Cap Reserve
(7,281)	(1,921)	(4,103)	(29,746)	(6,372)	(9,417)	(43,742)	(390,419)	(over) under funding of ESI P27 debt service
(3,625)	(2,435)	(2,043)	(37,692)	(3,172)	(11,932)	(55,428)	(321,643)	(over) under funding of SRP debt service
<b>(59,160)</b>	<b>(17,054)</b>	<b>(33,338)</b>	<b>(264,932)</b>	<b>(51,708)</b>	<b>(83,767)</b>	<b>(389,321)</b>	<b>(3,302,102)</b>	- <b>Credit Carryovers &amp; Adjustments</b>

1.990%	0.607%	1.123%	7.218%	1.893%	2.559%	11.296%	100.0%	WRF Flows Flow Percentage
9,950	3,035	5,615	36,090	9,465	12,795	56,480	500,000	Insurance Funds:
21,890	6,677	12,353	79,398	20,823	28,149	124,256	1,100,000	Property Claim Reserve
2,985	911	1,685	10,827	2,840	3,839	16,944	150,000	Catastrophic Work Comp Reserve
498	152	281	1,805	473	640	2,824	25,000	Catastrophic Gen/Auto Liability Reserve
35,323	10,774	19,933	128,120	33,601	45,422	200,504	1,775,000	Public Officials Liability Claim Reserve
2,749	838	1,551	9,970	2,615	3,535	15,603	138,130	Work Comp Supplemental Reserve established 2013
681	208	384	2,470	648	876	3,865	34,218	Work Comp layer for 2014 budget (2012 Actuals)
2,401	732	1,355	8,709	2,284	3,088	13,629	120,656	Work Comp layer for 2015 budget (2013 Actuals)
(2,950)	(900)	(1,665)	(10,700)	(2,806)	(3,793)	(16,745)	(148,240)	Work Comp layer for 2016 budget (2014 Actuals)
856	261	483	3,106	815	1,101	4,861	43,029	Work Comp layer for 2022 budget (2020 Actuals)
<b>39,060</b>	<b>11,914</b>	<b>22,042</b>	<b>141,674</b>	<b>37,156</b>	<b>50,228</b>	<b>221,717</b>	<b>1,962,793</b>	- <b>Insurance Reserve Allocation</b>

187,793 Suppl amount

**Wastewater Reclamation Authority  
Budget Allocation Implementing the Two-Tier System  
Fiscal Year 2022**

	Altoona (Expansion)	Ankeny (Expansion)	Bondurant (Expansion)	Clive (Expansion)	Cumming (Expansion)	Des Moines	Greenfield Plaza	Johnston	Norwalk (Expansion)
	Altoona	Ankeny	Bondurant	Clive	Cumming	Des Moines	Greenfield Plaza	Johnston	Norwalk
<b>Equipment Reserve Balance (reallocated)</b>									
WRA Flows:									
Flow Percentage:	3.911%	10.139%	1.096%	3.120%	0.050%	49.614%	0.615%	2.799%	1.970%
Equipment Funds:									
Rolling Stock Replacement Reserve	39,110	101,390	10,960	31,200	500	496,140	6,150	27,990	19,700
<b>Equipment Resv Allocation</b>	<b>39,110</b>	<b>101,390</b>	<b>10,960</b>	<b>31,200</b>	<b>500</b>	<b>496,140</b>	<b>6,150</b>	<b>27,990</b>	<b>19,700</b>

<b>Debt Service Budget</b>									
Principal and Interest on Debt:									
<b>2013 B</b> Refunding (2004B)	256,590	665,170	71,892	204,692	3,278	1,224,235	15,175	69,066	129,237
<b>2015 E</b> Refunding (2006)	141,169	365,960	39,553	112,614	1,803	600,211	7,440	33,861	71,102
<b>2017-2021 SRFs</b>	179,979	466,582	50,436	143,578	2,301	2,164,940	26,836	122,136	90,656
<b>2011-2016 SRFs</b>	614,130	1,592,053	172,075	489,910	7,846	3,876,484	48,052	218,694	309,324
<b>2008-2010 SRFs</b>	258,534	670,209	72,425	206,260	3,298	1,019,320	12,627	57,510	130,237
SRF 2016 F (ESI #1)	62,662	442,636	17,560	49,989	801	794,920	9,854	44,846	31,564
SRFs 2018 D (Biogas #1, #2)	46,746	121,187	13,100	37,292	598	593,014	7,351	33,455	23,547
FY Surcharge for Polk City 08-9-10	(3,062)	(7,939)	(847)	(2,462)	(34)	(6,170)	(69)	(352)	(1,565)
<b>Gross Debt Serv Allocation</b>	<b>1,556,749</b>	<b>4,315,857</b>	<b>436,193</b>	<b>1,241,874</b>	<b>19,890</b>	<b>10,266,954</b>	<b>127,266</b>	<b>579,216</b>	<b>784,102</b>
Interest Earnings on Bond Reserves (2013/2015)	(8,178)	(21,199)	(2,291)	(6,524)	(104)	(38,313)	(475)	(2,161)	(4,119)
Biogas Revenues anticipated for Debt Service (WRA Flow)	(46,932)	(121,668)	(13,152)	(37,440)	(600)	(595,368)	(7,380)	(33,588)	(23,640)
Interest Earnings on Sinking Fund	(5,203)	(14,426)	(1,458)	(4,151)	(66)	(34,317)	(425)	(1,936)	(2,621)
<i>subtotal E</i>									
<b>Net Debt Serv Allocation</b>	<b>1,496,436</b>	<b>4,158,564</b>	<b>419,291</b>	<b>1,193,760</b>	<b>19,119</b>	<b>9,598,956</b>	<b>118,986</b>	<b>541,530</b>	<b>753,722</b>

<b>Equipment Replacement Contribution and Resv Re-allocations</b>									
WRA Flows:									
Flow Percentage:	3.911%	10.139%	1.096%	3.120%	0.050%	49.614%	0.615%	2.799%	1.970%
Equipment Replacement:									
Annual Contribution	5,084	13,181	1,425	4,056	65	64,498	800	3,639	2,561
Work Comp Suppl Reserve Collection in FY22	1,683	4,363	472	1,343	22	21,349	265	1,204	848
Insurance fund allocation	75,082	194,645	21,041	59,897	960	952,472	11,807	53,734	37,819
fund balance last year	(77,827)	(195,835)	(20,733)	(60,703)	(998)	(960,131)	(10,847)	(51,047)	(34,978)
Equipment fund allocation	39,110	101,390	10,960	31,200	500	496,140	6,150	27,990	19,700
fund balance last year	(40,540)	(102,010)	(10,800)	(31,620)	(520)	(500,130)	(5,650)	(26,590)	(18,220)
<i>subtotal F</i>									
<b>Net Contribution Repl. / Re-allocation</b>	<b>2,592</b>	<b>15,733</b>	<b>2,364</b>	<b>4,172</b>	<b>28</b>	<b>74,197</b>	<b>2,524</b>	<b>8,931</b>	<b>7,730</b>

<b>Net F22 Budget Allocation</b>	<b>2,285,648</b>	<b>6,247,419</b>	<b>811,465</b>	<b>1,827,146</b>	<b>38,804</b>	<b>19,837,904</b>	<b>251,904</b>	<b>1,137,478</b>	<b>1,169,895</b>
<i>subtotal A+B+C+D+E+F</i>									
<b>Monthly Amount to Remit (approx)</b>	190,471	520,618	67,622	152,262	3,234	1,653,159	20,992	94,790	97,491

	Altoona	Ankeny	Bondurant	Clive	Cumming	Des Moines	Green Plaza	Johnston	Norwalk
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<b>THREE YEAR FLOW INFORMATION - for the above Budget</b>									
WRA Flows:									
Oct-Sep 2018	1,011.7	2,546.1	274.1	744.7	13.4	11,423.1	126.1	649.0	362.3
Oct-Sep 2019	1,144.9	2,942.7	313.1	923.4	13.6	15,735.1	190.6	774.2	599.1
Oct-Sep 2020	1,026.5	2,762.9	304.5	871.4	13.6	13,219.7	183.5	854.9	642.1
total for 36 months	3,183	8,252	892	2,540	40.6	40,378	500	2,278	1,604
Average for one year	1061.0	2750.6	297.2	846.5	13.5	13459.3	166.7	759.4	534.5
<b>% FLOW - WRA</b>	<b>3.911%</b>	<b>10.139%</b>	<b>1.096%</b>	<b>3.120%</b>	<b>0.050%</b>	<b>49.614%</b>	<b>0.615%</b>	<b>2.799%</b>	<b>1.970%</b>

WRF Flows:									
Oct-Sep 2018	1,011.7	2,546.1	274.1	744.7	13.4	11,423.1	126.1	649.0	362.3
Oct-Sep 2019	1,144.9	2,942.7	313.1	923.4	13.6	15,735.1	190.6	774.2	599.1
Oct-Sep 2020	1,026.5	2,762.9	304.5	871.4	13.6	13,219.8	183.4	854.9	642.1
total for 36 months	3,183	8,252	892	2,540	41	40,378	500	2,278	1,604
Average for 12 months	1061.0	2750.6	297.2	846.5	13.5	13459.3	166.7	759.4	534.5
<b>% FLOW - WRF</b>	<b>3.911%</b>	<b>10.139%</b>	<b>1.096%</b>	<b>3.120%</b>	<b>0.050%</b>	<b>49.614%</b>	<b>0.615%</b>	<b>2.799%</b>	<b>1.970%</b>



Pleasant Hill	Polk City (Expansion)	Polk County	USSD (Expansion)	UWHS	Waukee (Expansion)	West Des Moines (Expansion)	Budget Totals
Pleasant Hill	Polk City	Polk County	USSD	UWHS	Waukee	West Des Moines	Budget
1.990%	0.607%	1.123%	7.218%	1.893%	2.559%	11.296%	100.00%
19,900	6,070	11,230	72,180	18,930	25,590	112,960	1,000,000
<b>19,900</b>	<b>6,070</b>	<b>11,230</b>	<b>72,180</b>	<b>18,930</b>	<b>25,590</b>	<b>112,960</b>	<b>1,000,000</b>

WRA Flows
Flow Percentage
Equipment Funds:
Rolling Stock Replacement Reserve
<b>Equipment Reserve Allocation</b>

49,106	39,832	27,713	473,518	46,710	167,889	741,072	4,185,175
24,077	21,915	13,589	260,511	22,901	92,370	407,718	2,216,794
86,835	27,934	49,003	332,161	82,602	117,762	519,825	4,463,566
155,496	95,332	87,754	1,133,328	147,906	401,836	1,773,716	11,123,935
40,886		23,076	477,115	38,902	169,167	746,695	3,926,260
31,884	27,498	158,855	115,647	30,330	41,001	180,985	2,041,030
23,786	7,255	13,423	86,274	22,626	30,587	135,016	1,195,256
(245)	39,660	(140)	(5,667)	(245)	(2,008)	(8,855)	-
<b>411,824</b>	<b>259,425</b>	<b>373,272</b>	<b>2,872,887</b>	<b>391,731</b>	<b>1,018,602</b>	<b>4,496,173</b>	<b>29,152,016</b>
(1,537)	(1,269)	(867)	(15,091)	(1,462)	(5,351)	(23,618)	(132,560)
(23,880)	(7,284)	(13,476)	(86,616)	(22,716)	(30,708)	(135,552)	(1,200,000)
(1,377)	(867)	(1,248)	(9,603)	(1,309)	(3,405)	(15,028)	(97,440)
<b>385,031</b>	<b>250,005</b>	<b>357,681</b>	<b>2,761,577</b>	<b>366,244</b>	<b>979,139</b>	<b>4,321,975</b>	<b>27,722,016</b>

Principal and Interest on Debt for FY2022 Budget
<b>2013 B (refunding of 2004 B)</b>
<b>2015 E (refunding of 2006)</b>
<b>2017, 2018, 2019 SRF loans &amp; future</b>
<b>2011, 2012, 2013, 2014, 2015, 2016 SRF loans</b>
<b>2008, 2009, 2010 SRF loans</b>
<b>SRF 2016F (with special funding)</b>
<b>SRF 2018D (with revenue funding)</b>
<b>Surcharge for 2008-10 SRF</b>
<b>Gross Debt Serv Allocation</b>
Interest Earnings on Bond Reserves
Revenue applied 2018D Loan
Interest Earnings on Sinking Fund
(230,000)
<b>Net Debt Service Allocation</b>

1.990%	0.607%	1.123%	7.218%	1.893%	2.559%	11.296%	100.0%
2,587	789	1,460	9,383	2,461	3,327	14,685	130,000
856	261	483	3,106	815	1,101	4,861	43,029
38,203	11,653	21,559	138,569	36,341	49,127	216,856	1,919,764
(37,608)	(10,674)	(22,039)	(143,944)	(33,999)	(46,497)	(211,904)	(1,919,764)
19,900	6,070	11,230	72,180	18,930	25,590	112,960	1,000,000
(19,590)	(5,560)	(11,480)	(74,980)	(17,710)	(24,220)	(110,380)	(1,000,000)
<b>4,348</b>	<b>2,539</b>	<b>1,213</b>	<b>4,314</b>	<b>6,838</b>	<b>8,428</b>	<b>27,078</b>	<b>173,029</b>
<b>802,817</b>	<b>380,787</b>	<b>584,891</b>	<b>4,217,833</b>	<b>769,917</b>	<b>1,516,344</b>	<b>6,649,528</b>	<b>48,529,780</b>

WRA Flows
Flow Percentage
Equipment Replacement
Annual Contribution
Work Comp Supplemental Reserve Collection
Insurance Re-allocation
Insurance Re-allocation
Equipment Re-allocation
Equipment Re-allocation
<b>Net Contribution Repl. / Re-allocation</b>
<b>0 Fiscal Budget by Community</b>
monthly cash flow

66,901	31,732	48,741	351,486	64,160	126,362	554,127	\$ 4,044,148
PI Hill	Polk City	Polk Co	USSD	UWHS	Waukee	West DM	
457.0	123.9	255.6	1,870.5	381.7	611.3	2,629.6	23,480.1
609.4	197.0	373.3	2,094.5	613.5	698.8	3,370.8	30,594.0
553.2	173.4	285.2	1,909.3	545.8	772.7	3,193.0	27,311.7
1,620	494	914	5,874	1,541	2,083	9,193	81,386
539.9	164.8	304.7	1,958.1	513.7	694.3	3,064.5	27,128.6
<b>1.990%</b>	<b>0.607%</b>	<b>1.123%</b>	<b>7.218%</b>	<b>1.893%</b>	<b>2.559%</b>	<b>11.296%</b>	<b>100.0%</b>
457.0	123.9	255.6	1,870.5	381.7	611.3	2,629.6	23,480.1
609.4	197.0	373.3	2,094.5	613.5	698.8	3,370.8	30,594.0
553.2	173.4	285.2	1,909.3	545.8	772.7	3,193.0	27,311.7
1,620	494	914	5,874	1,541	2,083	9,193	81,386
539.9	164.8	304.7	1,958.1	513.7	694.3	3,064.5	27,128.6
<b>1.990%</b>	<b>0.607%</b>	<b>1.123%</b>	<b>7.218%</b>	<b>1.893%</b>	<b>2.559%</b>	<b>11.296%</b>	<b>100.0%</b>

2018 Flow	
2019 Flow	
2020 Flow	
total for 36 months	36
Annual Average	
<b>WRA Flow %</b>	
2018 Flow	
2019 Flow	
2020 Flow	
total for 36 months	36
Annual Average	
<b>WRF Flow %</b>	

## Wastewater Reclamation Authority

### Budget Surcharge Computation

Fiscal Year 2022

Surcharge	Ankeny	Norwalk	Bondurant	Cumming	Waukee	Waukee Conveyance
2020	1,613,680	1,166,000	135,478	7,717	523,143	10,994
2021	6,698,060	-	149,398	8,544	2,707,410	56,910
2022	-	-	164,778	9,461	-	-

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**WASTEWATER RECLAMATION AUTHORITY**

Debt Service Summary  
Fiscal Year 2020 21 22

AMENDED		Budget	
Budget	2021	Budget	2022

SRF Interest includes fees

2020 Prin Bal & Prin Paid

Principal F21      Interest      Principal      Interest

**New SRF Bond Issues**

2010C	Digester	14,006,000	942,000	973,000	280,120	1,004,000	260,660
2010C		1,992,000	1,000	1,000	40,415	1,000	29,820
2011A	P17 s2 s7 +	50,149,000	1,546,000	1,596,000	1,629,843	1,648,000	1,577,973
2012-2016	P17 s3-8	35,776,609	1,278,000	1,313,000	1,050,043	1,350,000	1,013,607
2017 a	P27 ESI #2	35,829,841	600,000	843,000	1,104,218	852,000	1,096,710
2018 A	Grit Handling #1	4,200,000	0	173,000	84,000	176,000	80,540
2018 D1	BioGas Cond #1 Am	10,950,000	50,000	438,000	199,980	530,000	107,378
2018 D2	BioGas Cond #2 Am	7,999,000	1,000	319,000	239,968	352,000	205,879
2018 E	Grit Handling #2	7,486,013	0	465,000	204,985	474,000	216,700
2018 F	T filter Removal	1,943,163	247,000	252,000	115,060	257,000	110,020
2019 A	Sewer Lining	6,027,694	549,000	502,000	171,787	513,000	217,026
2020 B	Clarifier			0	90,000	0	70,570
2021 B	Ingersoll			0	190,000	0	200,000
2021	Future Core					0	100,000

Core Subtotal 176,359,320 5,214,000 6,875,000 5,400,418 **7,157,000** **5,286,882**

2008B D, 2009B C, 2010B		25,533,000	958,000	988,000	579,048	1,020,000	490,900
2011B		12,840,000	422,000	436,000	417,300	450,000	403,130
2012B		2,316,000	71,000	74,000	75,270	76,000	72,865
2012E		10,432,473	315,000	325,000	316,200	335,000	306,450
2012F		1,222,000	37,000	38,000	36,660	39,000	35,520
2014C		3,554,880	256,000	261,000	83,380	266,000	78,160
2015C Amended		1,355,000	83,000	84,000	13,550	85,000	12,710
2016E		500,179	28,000	28,000	10,520	29,000	9,960
2021 C	So Tier			0	0	0	100,000

Expansion Subtotal 57,753,532 2,170,000 2,234,000 1,531,928 **2,300,000** **1,509,695**

2008A	2018G	12,332,000	477,000	491,000	246,640	506,000	236,820
2010A		6,644,000	233,000	241,000	215,930	249,000	128,060
2011C		7,768,000	255,000	264,000	252,460	272,000	243,880
2011D Amended		13,141,861	413,000	424,000	348,533	435,000	337,339
2012G Amended		21,073,000	654,000	669,000	478,357	684,000	463,171
2014D		4,632,000	284,000	290,000	92,640	296,000	86,840
2015A Amended		7,096,300	441,000	446,000	71,790	450,000	67,330

SW Subtotal 72,687,161 2,757,000 2,825,000 1,706,350 **2,892,000** **1,563,440**

**(New) SRF Bond Issue Total** 343,367,240 10,141,000 11,934,000 8,638,696 12,349,000 8,360,017

**2013B Bond Issue** 44,540,000

Core 2004/13			1,151,602	1,247,685	765,272	1,276,125	727,841
Expan 2004/13			758,639	925,062	567,557	946,075	539,805
<u>SW 2004/13</u>			354,759	432,253	265,496	442,800	252,529

2013B Subtotal 2,265,000 2,605,000 1,598,325 2,665,000 1,520,175

**2015E Bond Issue** 27,235,000

Core 2006/15			324,832	338,961	236,636	360,227	219,688
Expan 2006/15			389,345	405,623	282,846	429,545	262,565
<u>SW 2006/15</u>			530,823	560,416	387,562	585,228	359,541

2015E Subtotal 1,245,000 1,305,000 907,044 1,375,000 841,794

**2016 Bond Core+ Special Commty**

Core 2016F	ESI #1	28,334,232	679,810	700,220	901,800	721,415	880,794
Special Rock Creek Allocation		8,232,995	186,190	191,780	246,990	197,585	241,236

2016F Subtotal 866,000 892,000 1,148,790 919,000 1,122,030

P&D sub Debt 991,136

**Bond Issue Total for Projects** 14,517,000 16,736,000 12,292,855 17,308,000 11,844,016

14,517,000 Prin Pd F20

Budget Principal &

416,133,376 Debt Bal 6/30/20 Budget Debt Service 16,736,000 29,028,855 17,308,000 29,152,016  
chg in budget 2,169,031 123,162

**WASTEWATER RECLAMATION AUTHORITY**  
**Operations & Maintenance Budget Summary**  
**Fiscal Year 2022**

	F18 ACTUAL	F19 ACTUAL	F20 ACTUAL	F21 BUDGET	F21 AMENDED BUDGET	F22 BUDGET	
<b>Total O&amp;M Expenditures</b>							
Personal Services	10,243,127	10,190,153	10,420,923	11,794,483	11,794,483	11,954,483	
Contractual Services	5,508,782	4,733,112	5,409,463	6,616,620	6,616,620	6,691,620	
Internal Services	1,190,136	1,029,199	562,538	1,185,000	755,000	600,000	
Travel /Training	53,585	68,707	72,892	100,000	100,000	90,000	
Other Charges & Fund Transfers	2,884,452	4,058,936	3,451,188	2,990,000	3,420,000	3,500,000	
Commodities	1,805,196	2,323,536	2,301,045	2,900,734	2,900,734	2,925,734	
Capital Outlays	494,510	514,580	482,080	575,000	575,000	650,000	
<b>Total Expenditures</b>	<b>22,179,788</b>	<b>22,918,223</b>	<b>22,700,128</b>	<b>26,161,837</b>	<b>26,161,837</b>	<b>26,411,837</b>	<b>101.0%</b>
<b>Total O&amp;M Revenue Offsets</b>							
Licenses and Permits	49,320	52,280	51,160	45,000	45,000	45,000	
High Strength Surcharge	1,049,370	1,174,166	1,203,143	1,239,000	1,230,000	1,220,000	
Contract Hauler Fees	2,876,391	3,638,771	3,930,912	2,440,000	2,450,000	2,460,000	
Industrial Analysis Fees	111,293	109,325	76,558	94,000	93,000	90,000	
Contract Hauler Analysis Fees	78,825	103,090	107,845	76,000	76,000	80,000	
Other Pretreatment Charges	221,061	216,450	187,327	201,000	201,000	200,000	
	(4,386,260)	(5,294,082)	(5,556,945)	(4,095,000)	(4,095,000)	(4,095,000)	
Charges for Services	(181,504)	(214,662)	(209,582)	(220,000)	(220,000)	(220,000)	
Interfund Charges (Lab)	(190,088)	(212,325)	(226,757)	(175,000)	(175,000)	(180,000)	
Interfund Charges for CIP	(34,856)	(60,758)	(91,389)	(20,000)	(80,000)	(80,000)	
Other Charges (net Biogas sales)	(314,821)	(277,704)	(186,302)	(150,000)	(340,000)	(400,000)	
Other Revenue (RIN) less related expenses & debt serv				(1,450,000)	(1,200,000)	(2,000,000)	
Invested Operating Funds	(40,212)	(67,821)	(73,194)	0	0	0	
<b>Total Revenue Offsets</b>	<b>(5,147,741)</b>	<b>(6,127,352)</b>	<b>(6,344,169)</b>	<b>(6,110,000)</b>	<b>(6,110,000)</b>	<b>(6,975,000)</b>	
<b>Net O&amp;M Exp to be allocated on WRF flows</b>	<b>17,032,047</b>	<b>16,790,871</b>	<b>16,355,959</b>	<b>20,051,837</b>	<b>20,051,837</b>	<b>19,436,837</b>	<b>96.9%</b>
<b>O&amp;M Exp Collected from Communities</b>	<b>18,188,900</b>	<b>18,893,000</b>	<b>18,986,000</b>	<b>20,051,837</b>	<b>20,051,837</b>	<b>19,436,837</b>	
<b>O&amp;M adjustment for connecting communities</b>							
<b>O&amp;M Expenditures less Revenue Offsets</b>	<b>(17,032,047)</b>	<b>(16,790,871)</b>	<b>(16,355,959)</b>	<b>(20,051,837)</b>	<b>(20,051,837)</b>	<b>(19,436,837)</b>	
<b>Remaining Credit for next Budget</b>	<b>1,156,853</b>	<b>2,102,129</b>	<b>2,630,041</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>O&amp;M Working Capital Reserve Calculation</b>				<b>8,955,393</b>	<b>8,955,393</b>	<b>9,016,643</b>	
Cash balance available for WC Reserve						<b>8,976,643</b>	
Increase needed to be compliant						<b>40,000</b>	

**Wastewater Reclamation Authority  
Budget Adjustment Computation  
Fiscal Year 2022 / 2020**

	Altoona (Expansion)	Ankeny (Expansion)	Bondurant (Expansion)	Clive (Expansion)	Cumming (Expansion)	Des Moines	Greenfield PHOCSD	Johnston
<b>Operations and Maintenance</b>								
<b>WRF Flows:</b>								
Budget:								
Collected in FY2020, Budget O&M	(816,207)	(1,932,774)	(203,910)	(620,273)	(9,683)	(9,492,426)	(95,311)	(488,511)
Flow Percentage (budget prior year, adjusted):	4.299%	10.180%	1.074%	3.267%	0.051%	49.997%	0.502%	2.573%
Actual:								
Gross O&M Expense	975,879	2,310,873	243,799	741,613	11,577	11,349,383	113,955	584,074
Revenue Offsets	(272,736)	(645,836)	(68,136)	(207,264)	(3,236)	(3,171,894)	(31,848)	(163,235)
<b>Unspent O&amp;M Budget</b>	<b>(113,064)</b>	<b>(267,738)</b>	<b>(28,246)</b>	<b>(85,923)</b>	<b>(1,341)</b>	<b>(1,314,937)</b>	<b>(13,204)</b>	<b>(67,672)</b>
<b>O&amp;M Credit Computation</b>								
Amount Due from above actuals	703,143	1,665,037	175,663	534,349	8,342	8,177,489	82,107	420,839
Amount applied during Budget preparation	(50,380)	(113,371)	(10,458)	(39,912)	(360)	(600,769)	(5,656)	(26,284)
Monthly Revenue from Commtys in 2020	(765,827)	(1,819,403)	(193,452)	(580,361)	(9,323)	(8,891,657)	(89,655)	(462,227)
<b>Unused Credits from Commtty</b>	<b>(113,064)</b>	<b>(267,738)</b>	<b>(28,246)</b>	<b>(85,923)</b>	<b>(1,341)</b>	<b>(1,314,937)</b>	<b>(13,204)</b>	<b>(67,672)</b>

Fiscal 2020 / Audited revenue for O&M	Net Collected	
Cumming	9,323	
Waukee	455,573	
Altoona	765,827	
Ankeny	1,819,403	
Bondurant	193,452	
Clive	580,361	
CDM	8,891,659	
GPHOC	89,655	
Johnston	462,227	
Norwalk	316,814	
P Hill	335,441	
Polk CITY	86,367	
Polk Co	190,184	
USSD	1,357,211	
UWHSD	291,619	
WDM	1,984,031	
	17,829,147.0	
		18,986,000 2020 Oper net
		(1,156,853) 2020 Oper cred

Norwalk (Expansion)	Pleasant Hill	Polk City (Expansion)	Polk Country	USSD (Expansion)	UWHSD	Waukee (Expansion)	West Des Moines (Expansion)	Budget Totals	
FY2022									
(338,331)	(354,089)	(93,412)	(199,543)	(1,446,542)	(309,851)	(457,947)	(2,127,191)	(18,986,000)	O&M Expense Budget
1.782%	1.865%	0.492%	1.051%	7.619%	1.632%	2.412%	11.204%	100.00%	Flow Percentage:
404,516 (113,053)	423,357 (118,319)	111,685 (31,213)	238,578 (66,677)	1,729,523 (483,362)	370,466 (103,537)	547,527 (153,021)	2,543,322 (710,801)	22,700,128 (6,344,169)	O&M Expense Actual Revenue Offsets
<b>(46,868)</b>	<b>(49,050)</b>	<b>(12,941)</b>	<b>(27,642)</b>	<b>(200,382)</b>	<b>(42,922)</b>	<b>(63,442)</b>	<b>(294,669)</b>	<b>(2,630,041)</b>	<b>O&amp;M Exp Unspent</b>
291,463	305,039	80,471	171,901	1,246,161	266,929	394,506	1,832,522	16,355,959	O&M to be Collected
(21,517)	(18,648)	(7,045)	(9,359)	(89,331)	(18,232)	(2,374)	(143,160)	(1,156,853)	Prior year credit applied
(316,814)	(335,441)	(86,367)	(190,184)	(1,357,211)	(291,619)	(455,573)	(1,984,031)	(17,829,147)	Current Payments applied
<b>(46,868)</b>	<b>(49,050)</b>	<b>(12,941)</b>	<b>(27,642)</b>	<b>(200,382)</b>	<b>(42,922)</b>	<b>(63,442)</b>	<b>(294,669)</b>	<b>(2,630,041)</b>	<b>Unused Credit FY20</b>

Collected for O&M

9,323	Cumming
455,573	Waukee
765,827	Altoona
1,819,403	Ankeny
193,452	Bondurant
580,361	Clive
8,891,659	CDM
89,655	GPHOC
462,227	Johnston
316,814	Norwalk
335,441	P Hill
86,367	Polk CITY
190,184	Polk Co
1,357,211	USSD
291,619	UWHSD
1,984,031	WDM
-	
17,829,147.0	

**WASTEWATER RECLAMATION AUTHORITY**

Personnel  
Fiscal Year 2022

SECTION/POSITION		Approved Budgeted Positions				Amended F2021 Budget	Proposed F2022 Budget
		F2018 Budget	F2019 Budget	F2020 Budget	F2021 Budget		
<b>WRA 801 – Leadership</b>							
Public Works Director	Indirect Cost						
WRA Director / PW Deputy Director		0.6	0.7	1	1	1	1
WRF Treatment Manager	WR800804	1	1	1	1	1	1
WRF Maintenance Manager	WR800809	1	1	1	1	1	1
WRA Engineering Manager	WR801802	1	1	1	1	1	1
Senior Budget Analyst	WR801802	1	1	1	1	1	1
Safety Consultant	WR801800	0.4	1	1	1	1	1
Admin Coord, Communications	WR801800	1	1	1.1	1.1	1.4	1.4
<b>Total Reporting to Scott Hutchens (A)</b>		6.0	6.7	7.1	7.1	7.4	7.4
<b>WRA 804 – Operations</b>							
OPERATIONS SUPERVISOR		1	1	1	1	1	1
Senior Plant Operator	WR800804/806	1	1	0			
Plant Operator	WR800804/805	1	1	0			
Operator Specialist - combined Acc1 & Acc2	WR800804/805	23	24	26	26	26	26
Operator Specialist - dewatering division	WR800806	4	4	4	4	4	4
Plant Field Worker	WR800807	11	11	11	11	11	11
Plant Field Worker - 7 months part time	WR800807	1	1	1	1	1	1
<b>Total Reporting to Larry Hare (A)</b>		42	43	43	43	43	43
<b>WRA 802 – Lab &amp; Support</b>							
LAB SUPERVISOR						1	1
Lab Analyst I	WR802813/814	2	2	2	2	1	1
Lab Analyst II	WR802813/814	6	6	6	6	5	5
Pretreatment Technician	WR802813					1	1
Lab Admin Assistant	WR802814						1
Department System Coordinator	WR801800	1	1	1	1	1	1
Training & Safety	WR801800	1	1	1	1	1	1
Laboratory Technician part time	WR802814	1	1	1	1	1	1
<b>Total Reporting to Larry Hare (B)</b>		11	11	11	11	11	12
<b>WRA 802 - Engineering</b>							
WRF System & Network Adminstr	WR800810	2	2	2	2	2	2
Electronic Technician	WR800810	1	1	1	0		
Electrician Instrument Technician	WR800810	1	1	1	1	0	
Senior Electronic Flow Meter Techn	WR803820	1	1	1	1	1	1
Electronic Flow Meter Technician	WR803820	2	2	2	2	2	2
WW Process Control System Techn	WR800810				1	2	2
Engineering Technician	WR801802	1	1	2	2	2	2
WRA Collection System Manager	WR801802				1	1	1
WRA Facilities Engineer	WR801802	2	2	2	2	3	3
Civil Engineer I	WR801802	1	1	1	1	0	
Admin Coordinator	WR801800	1	1	1	1	1	1
Admin Aide (share w/ City DM Sewers)	WR801800	0.3	0.3	0.3	0.3	0	
<b>Total Reporting to James Beck</b>		12.3	12.3	13.3	14.3	14	14

**WASTEWATER RECLAMATION AUTHORITY**

Personnel  
Fiscal Year 2022

SECTION/POSITION	Approved Budgeted Positions				Amended F2021 Budget	Proposed F2022 Budget
	F2018 Budget	F2019 Budget	F2020 Budget	F2021 Budget		
<b>WRA 809 – Maintenance</b>						
MAINTENANCE SUPERVISOR		2	2	2	2	2
Maintenance Coordinators	WR800809	0				
Elec/Mech Maint Crew Chief	WR800809	1	1	1	2	2
Electrician	WR800809	2	2	2	2	2
Electrician Instrument Technician	WR800809	2	2	2	2	2
Electronic Technician	WR800809	1	1	1	1	1
Climate Control / HVAC	WR800809	2	2	3	3	3
Generator Specialist / Biogas Specialist	WR800809	2	2	3	3	3
Painter	WR800809	3	3	3	3	3
Plant Mechanic	WR800809	7	7	7	6	6
Plant Equipment Lubricator	WR800809	2	2	2	2	2
Operator Helper / new O&M Helpers	WR800808	4	4	4	4	4
Operator Specialist	WR800808	1	1	1	1	1
Security/Custodial	WR800808	1	1	1	1	1
Plant Field Worker	WR800809	1	1	0		
Maintenance System Specialist	WR800809	2	2	2	2	2
WRA Accountant/ Inventory Coordinator	WR800809	1	1	1	1	1
Admin Coordinator	WR800809	1	1	1	1	1
Inventory Control / CMMS Specialist	WR800809		1	2	2	2
<b>Total Reporting to Kyle Wilson</b>		<b>35</b>	<b>36</b>	<b>38</b>	<b>38</b>	<b>38</b>
<b>Total Authorized Positions for WRA/WRF</b>		<b>106</b>	<b>109</b>	<b>112.4</b>	<b>113.4</b>	<b>114.4</b>
Full Time Employee's		104	107	110	111	112
part time or shared		2	2	2.4	2.4	2.4
Count		106	109	112	113	114



# Flows

**WASTEWATER RECLAMATION AUTHORITY**  
Allocation Percentages Based on WRA / WRF Flows  
Fiscal Year 2022

Community / District		<u>WRF</u>		<u>WRA</u>	
		Average 2020* WRF Flow	WRF Percentage <sup>A</sup> Flow	Average 2020* WRA Flow	WRA Percentage <sup>A</sup> Flow
Altoona	#	1,061.03	3.911%	1,061.0	3.911%
Ankeny	#	2,750.57	10.139%	2,750.6	10.139%
Bondurant	#	297.23	1.096%	297.2	1.096%
Clive	#	846.50	3.120%	846.5	3.120%
Cumming	#	13.53	0.050%	13.5	0.050%
Des Moines		13,459.33	49.614%	13,459.3	49.614%
Greenfield P / HOC SS District		166.70	0.615%	166.7	0.615%
Johnston	#	759.37	2.799%	759.4	2.799%
Norwalk	#	534.50	1.970%	534.5	1.970%
Pleasant Hill	#	539.87	1.990%	539.9	1.990%
Polk City	#	164.77	0.607%	164.8	0.607%
Polk County	#	304.70	1.123%	304.7	1.123%
Urbandale San Sewer District	#	1,958.10	7.218%	1,958.1	7.218%
Urb-Windsor Hts San District	#	513.67	1.893%	513.7	1.893%
Waukee	#	694.27	2.559%	694.3	2.559%
West Des Moines	#	3,064.47	11.296%	3,064.5	11.296%
<b>TOTAL</b>		<b>27,128.60</b>	<b>100.0%</b>	<b>27,128.6</b>	<b>100.0%</b>

- # Represents Communities fully connected to the WRA (WRF system) at 9/30/20.
- \* Represents average flow based on flows from calendar years ending 9/30/2018,2019,2020.
- <sup>A</sup> WRF and WRA budget allocations are computed using these percentages.  
[City of Grimes will be included in F2023 budget]

Bonded Project Flows:  
Core Projects assigned to communities based on the WRA flow percents above

Expansion Projects:		
Altoona	1,061.03	9.320%
Ankeny	2,750.57	24.160%
Bondurant	297.23	2.611%
Clive	846.50	7.435%
Cumming	13.53	0.119%
Norwalk	534.50	4.694%
Polk City	164.77	1.447%
Urbandale S S D	1,958.10	17.199%
Waukee	694.27	6.098%
West Des Moines	3,064.47	26.917%
<b>TOTAL</b>	<b>11,385.0</b>	<b>100.0%</b>

Special Allocated Projects:	ESI P27 Special	SW Div Project:
Altoona		5.714%
Ankeny	63.85%	14.813%
Bondurant		1.601%
Clive		4.558%
Cumming		0.073%
Des Moines		33.076%
Greenfield P / HOC SS District		0.410%
Johnston		1.866%
Norwalk		2.878%
Pleasant Hill		1.327%
Polk City	4.05%	0.887%
Polk County	32.10%	0.749%
Urbandale San Sewer District		10.544%
Urb-Windsor Hts San District		1.262%
Waukee		3.739%
West Des Moines		16.503%
<b>TOTAL</b>	<b>P27 is Core + Above Comnty</b>	<b>100.0%</b>

Final 3 Year Average Flows(2018-2020)  
For Fiscal 2021-2022 Budget

Community	3 Year Average	Flows(m gal)			Percentage of Total WRF Flow				Percentage of Total WRA Flow			
		2020	2019	2018	3 Year	2020	2019	2018	3 Year	2020	2019	2018
Altoona (2)	1061.0	1,026.5	1,144.9	1,011.7	3.911	3.758	3.742	4.309	3.911	3.758	3.742	4.309
Ankeny	2750.6	2,762.9	2,942.7	2,546.1	10.139	10.116	9.619	10.843	10.139	10.116	9.619	10.843
Bondurant (2)	297.3	304.5	313.1	274.1	1.096	1.115	1.023	1.167	1.096	1.115	1.023	1.167
Clive (1)	846.5	871.4	923.4	744.7	3.120	3.190	3.018	3.172	3.120	3.190	3.018	3.172
Cumming	13.5	13.6	13.6	13.4	0.050	0.050	0.044	0.057	0.050	0.050	0.044	0.057
Des Moines	13459.3	13,219.7	15,735.1	11,423.2	49.613	48.403	51.432	48.651	49.613	48.403	51.432	48.651
Greenfield Plaza/Hills of Coventry	166.7	183.4	190.6	126.1	0.615	0.672	0.623	0.537	0.615	0.672	0.623	0.537
Johnston	759.4	854.9	774.2	649.0	2.799	3.130	2.530	2.764	2.799	3.130	2.530	2.764
Norwalk	534.5	642.1	599.1	362.3	1.970	2.351	1.958	1.543	1.970	2.351	1.958	1.543
Pleasant Hill	539.9	553.2	609.4	457.0	1.990	2.025	1.992	1.946	1.990	2.025	1.992	1.946
Polk City	164.8	173.4	197.1	123.9	0.607	0.635	0.644	0.528	0.607	0.635	0.644	0.528
Polk County	304.7	285.2	373.3	255.6	1.123	1.044	1.220	1.088	1.123	1.044	1.220	1.088
Urbandale Sanitary Sewer District (1)	1958.1	1,909.3	2,094.5	1,870.5	7.218	6.991	6.846	7.966	7.218	6.991	6.846	7.966
Urbandale-Windsor Heights Sanitary District	513.7	545.8	613.5	381.7	1.893	1.998	2.005	1.626	1.893	1.998	2.005	1.626
Warren County	0.0	0.0	0.0	0.0					0.000	0.000	0.000	0.000
Waukee	694.3	772.7	698.8	611.3	2.559	2.829	2.284	2.604	2.559	2.829	2.284	2.604
West Des Moines	3064.5	3,193.0	3,370.8	2,629.6	11.296	11.691	11.018	11.199	11.296	11.691	11.018	11.199
					100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Total (WRA Flows)	27128.6	27,311.8	30,594.1	23,480.0								
Total (WRF Flows)	27128.6	27,311.8	30,594.1	23,480.0								

(1) 94.141 million gallons of flow was added to Clive's annual metered flow and deducted from USSD's annual metered flow.

(2) 5.052 million gallons of flow was added to Bondurant's annual metered flow and deducted from Altoona's annual metered flow.

Final  
% Change in 3-Year Average Flow - 2019 to 2020

Community	**2019 Adjusted WRF Flow (m gal)	**2020 Adjusted WRF Flow (m gal)	% Change in Community Flow from 2019 to 2020	**2019 % of Total Adjusted WRF Flow	**2020 % of Total Adjusted WRF Flow	Change from 2019 to 2020	**2019 Adjusted WRA Flow (m gal)	**2020 Adjusted WRA Flow (m gal)	% Change in Community Flow from 2019 to 2020	**2019 % of Total Adjusted WRA Flow	**2020 % of Total Adjusted WRA Flow	Change from 2019 to 2020
Altoona (2)	1029.336	1061.047	3.081	4.054	3.911	-0.143	1029.336	1061.047	3.081	4.054	3.911	-0.143
Ankeny	2589.954	2750.576	6.202	10.201	10.139	-0.062	2589.954	2750.576	6.202	10.201	10.139	-0.062
Bondurant (2)	274.139	297.255	8.432	1.080	1.096	0.016	274.139	297.255	8.432	1.080	1.096	0.016
Clive (1)	802.750	846.494	5.449	3.162	3.120	-0.041	802.750	846.494	5.449	3.162	3.120	-0.041
Cumming	13.159	13.520	2.737	0.052	0.050	-0.002	13.159	13.520	2.737	0.052	0.050	-0.002
Des Moines	12698.289	13459.304	5.993	50.014	49.613	-0.401	12698.289	13459.304	5.993	50.014	49.613	-0.401
Greenfield Plaza/Hills of Coventry	143.370	166.734	16.296	0.565	0.615	0.050	143.370	166.734	16.296	0.565	0.615	0.050
Johnston	675.139	759.357	12.474	2.659	2.799	0.140	675.139	759.357	12.474	2.659	2.799	0.140
Norwalk	462.682	534.508	15.524	1.822	1.970	0.148	462.682	534.508	15.524	1.822	1.970	0.148
Pleasant Hill	497.286	539.855	8.560	1.959	1.990	0.031	497.286	539.855	8.560	1.959	1.990	0.031
Polk City	141.283	164.779	16.631	0.556	0.607	0.051	141.283	164.779	16.631	0.556	0.607	0.051
Polk County	291.400	304.674	4.555	1.148	1.123	-0.025	291.400	304.674	4.555	1.148	1.123	-0.025
Urbandale Sanitary Sewer District (1)	1903.631	1958.097	2.861	7.498	7.218	-0.280	1903.631	1958.097	2.861	7.498	7.218	-0.280
Urbandale-Windsor Heights Sanitary District	449.582	513.653	14.251	1.771	1.893	0.123	449.582	513.653	14.251	1.771	1.893	0.123
Warren County												
Waukee	614.993	694.282	12.893	2.422	2.559	0.137	614.993	694.282	12.893	2.422	2.559	0.137
West Des Moines	2802.567	3064.473	9.345	11.038	11.296	0.258	2802.567	3064.473	9.345	11.038	11.296	0.258

\*\*All flows shown on this sheet are 3-Year Average flows

- (1) 94.141 million gallons of flow was added to Clive's annual metered flow and deducted from USSD's annual metered flow.
- (2) 5.052 million gallons of flow was added to Bondurant's annual metered flow and deducted from Altoona's annual metered flow.