

MEETING NOTICE

JOINT CONTRACT SEWERAGE COMMITTEE

February 8, 2022

1:30 P.M.

Council Chambers at Bettendorf City Hall
1609 State Street

1. Appointment of officers for FY 22/23.
2. Approval of minutes from August 2021 meeting.
3. Update on 1930's Interceptor Sewer Abandonment Project (Davenport).
4. Update on Waste Water Treatment Plant Flood Protection Project (Clay Merritt – Davenport).
5. Update on UV Disinfection Project (Dan Miers – Davenport).
6. Update on I&I Projects / Studies (All Cities).
7. Report from Waste Water Treatment Plant and Compost Facility. (Davenport)
8. Update on ix (6) year Capital Improvement Plan (CIP) for the Joint Use System (Davenport)
9. Discussion on potential RNG / Digester project and Davenport rate study.
10. Approval of 28E allocation percentages and budget.
11. Approval of 28E capacity allocations.
12. Discussion of future meetings. Next meeting is scheduled for August 23, 2022.
13. Other business.
14. Adjourn.

MINUTES
JOINT CONTRACT SEWERAGE COMMITTEE
August 24, 2021
1:30 P.M. ZOOM

Members Present:

Robert Gallagher, Mayor, City of Bettendorf
Mike Bawden, Mayor, City of Riverdale
Rick Dunn, Alderman, City of Davenport
Scott Webster, Alderman, City of Bettendorf
Dan Miers, Water Pollution Control Plant Manager, City of Davenport
Brian Schmidt, Director of Public Works, City of Bettendorf
Nicole Gleason, Director of Public Works, City of Davenport
Mallory Merritt, Chief Financial Officer, City of Davenport
Jason Schadt, Director of Finance, City of Bettendorf

Others Present:

Decker Ploehn, City Administrator, City of Bettendorf
Kent Royster, City Administrator, City of Riverdale
Clay Merritt, Capital Manager, City of Davenport
Jim Odean, Assistant Finance Director, City of Davenport
Brent Morlok, City Engineer, City of Bettendorf
Brian Schadt, City Engineer, City of Davenport
Doug Hradek, Plant Operations Supervisor, City of Davenport

The meeting was called to order at 1:30 p.m. by Mayor Gallagher.

1. First item on the agenda was approval of the minutes from the February 2021 meeting. There were no additions, deletions or corrections. Alderman Webster made a motion to accept the minutes as written. The motion was seconded by Brian Schmidt. The motion passed unanimously.
2. Next item on the agenda was the update on NPDES Permit/Administrative Order. Dan Miers reported the permit was issued on July 1, 2021 and expires on June 30, 2026. Changes to the new permit include: new nitrogen limits, ecoli blending flow will be required effective July 1, 2034, UV disinfection start up begins April 1, 2022, ammonia is now monitored daily versus monthly, blending greater than 43 MGD requires 80% removal and below 43 MGD requires 85% removal. Nutrient Study is due July 1, 2022 and is over 50% complete. The Administrative Order as amended is enclosed as Attachment 1 in the packet.
3. Next item on the agenda was an update on the 1930's Interceptor Sewer Abandonment Project. This project is a major component of the Joint Use cities' efforts to reduce clean water flow at the plant. Brian Schadt reported the project is near completion. Most of the pipework is finished except for a small portion of pipe lining underneath the Freight House. Due to river levels down this year, a full assessment on the effectiveness has not been done.
4. Next item on the agenda was the update on Waste Water Treatment Plant Flood Protection Study & Grant Applications. Clay Merritt reported the Iowa SHPO clearance was supposed to be received by August 15th. Once received, we will amend the environmental component of our grant and send it to the Chicago office of

the U.S. Economic Development Authority who will ship it directly to D.C. and we should hear a grant award announcement within a few weeks.

The grant request is for 10 million dollars with the local match being about 2.5 million and the State of Iowa has allocated 4.4 million. The total cost for the project is 20.1 million. Additional discussion was had regarding potential future funding sources for the remaining 3.3 million to complete the project.

5. Next item on the agenda was the report on the UV Disinfection Project. Dan Miers reported the channel structures and underground piping is in place. Construction of the building is finished. The Wedeco UV disinfection equipment is in place, but not connected. They are working on a connection for the ninety-six inch (96") pipe flowing under the building where the flow will convert to UV disinfection. There will be four (4) shutdowns of the treatment process over four (4) days to isolate the pipe and make the connection. The estimated completion of the project is October 14, 2021.
6. Next item on the agenda was an update on I&I Projects / Studies. Brent Morlok reported Bettendorf has an estimated \$600,000 sewer lining program out for bid for this coming construction season. Bettendorf recently abandoned a lift station and Langman has completed a gravity extension in its place. McClure Engineering will provide a final report for the I&I citywide study, which identified several projects that will be addressed over the course of the next five (5) years. Davenport reported their \$3 million lining project is scheduled to go out for bid in two (2) weeks, which will take place over the next two (2) years. They are focusing on individual I&I projects with two (2) that have been identified for construction next year. Kent Royster reported Panorama Park and Riverdale received bids for approximately \$265,000 of relining projects between the two (2) cities.
7. Next item on the agenda was a report on the Waste Water Treatment Plant and Compost Facility. Dan Miers reported two (2) offers have been accepted for Swing Shift Operators bringing staffing levels to thirty (30). Design replacement and rehabilitation projects the primary and secondary projects designs are completed HR Green has completed the design of the primary and secondary projects. The Wet Weather Optimization project will be completed soon. Flows averaged 18.4 million gallons per day in August, 22 million gallons per day in July, and 23.1 million gallons per day in June. The average last year was 27 million gallons per day. There is a positive reduction in flow to the treatment plant and during rain events.

Nicole Gleason reported the Compost Facility has a new John Deere 744 end loader on order to replace the ten (10) year old end loader. They are in the process of developing a new product called Enhance Topsoil to mix topsoil with compost and sand for direct planting or fill.
8. Next item on the agenda was a discussion of Digester RNG / Digester Upgrades Alternatives / FOG Ordinance. Dan Miers reported RNG is a different way to process our natural gas through our digesters to send to the MidAmerican pipeline and receive RIN credits. There are two (2) different values of RIN credits based upon the type of digestive sludge that is sent through the digester (D3 and D5 gas). The engineers are estimating this project will bring \$4 million of revenue annually. Further discussion was had regarding the potential cost options and overall feasibility of the RNG project and digester upgrades.
9. Discussion of potential increase to hauling fees. Dan Miers reported current rates for hauling waste to the treatment plant in comparison to surrounding cities. Fees are determined by the amount and type of waste, billing fees, and monthly overhead fees. Further discussion was had regarding potential rate increases and simplifying the billing process.
10. Next item was the discussion of future meetings. The next meeting will be held in November after the financial model from PSM regarding the RNG and Digester evaluation has been provided.

11. The next item on the agenda was other business.

The meeting was adjourned on motion by Mayor Bawden seconded by Nicole Gleason.

Month	Calculated Raw Waste				Secondary Effluent					Blending					Combined Effluent					Yearly Average Combined Inf			Yearly Average Combined Eff			
	Flow (MGD)	CBOD5 (mg/l)	CBOD5 (lbs)	TSS (mg/l)	TSS (lbs)	Flow (MGD)	CBOD5 (mg/l)	CBOD5 (lbs)	TSS (mg/l)	TSS (lbs)	Flow (MGD)	CBOD5 (mg/l)	CBOD5 (lbs)	TSS (mg/l)	TSS (lbs)	Flow (MGD)	CBOD5 (mg/l)	CBOD5 (lbs)	TSS (mg/l)	TSS (lbs)	Flow (MGD)	CBOD5 (lbs)	TSS (lbs)	Flow (MGD)	CBOD5 (mg/l)	TSS (mg/l)
Jan-17	26.0	186	40,270	187	40,532	25.2	7	1,527	11	2,333	3.2	110	2,896	91	2,548	28.4	18	4,423	20	4,881						
Feb-17	23.1	199	38,294	194	34,352	21	10	2,015	13	2,532	1.2	142	1,118	80	817	25.2	15	3,132	16	3,349						
Mar-17	28.4	165	37,870	163	38,531	31.4	7	1,736	8	2,101	0.4	89	277	56	188	31.8	7	2,013	8	2,290						
Apr-17	37.0	118	35,377	142	43,525	40.1	5	1,639	6	2,118	1.6	59	741	54	715	41.7	6	2,380	8	2,833						
May-17	40.3	111	36,908	130	43,955	41.1	5	1,791	6	1,961	1.9	54	812	42	655	43.0	7	2,603	7	2,616						
Jun-17	30.2	168	41,981	187	47,256	31.7	4	1,138	4	1,055	0.1	76	74	80	78	31.8	4	1,212	4	1,133	31.5	38,663	43,887	34.0	11	11
Jul-17	33.0	161	40,868	231	62,777	34.7	5	1,292	6	1,691	1.8	49	706	60	870	36.4	6	1,999	7	2,561						
Aug-17	21.1	288	50,038	263	45,583	24.1	7	1,440	9	1,756	0.0	0	0	0	0	24.1	7	1,440	9	1,756						
Sep-17	20.5	327	53,673	324	56,913	23.2	8	1,601	7	1,352	0.4	86	292	82	278	23.6	9	1,893	8	1,630	11/16 thru 10/17 for Int Gov					
Oct-17	26.8	255	54,545	210	46,842	27.4	8	1,755	8	1,896	0.7	90	527	85	514	28.2	9	2,282	9	2,410		42,157	44,317			
Nov-17	20.4	275	46,806	222	37,926	22.2	9	1,619	10	1,838	0.0	0	0	0	0	22.2	9	1,619	10	1,838						
Dec-17	17.9	334	50,052	250	37,340	20.6	7	1,173	10	1,700	0.0	0	0	0	0	20.6	7	1,173	10	1,700	27.1	43,890	44,628	29.8	9	10
Jan-18	18.7	302	46,920	256	39,937	21.8	7	1,225	10	1,836	0.0	0	0	0	0	21.8	7	1,225	10	1,836						
Feb-18	23.7	311	55,508	213	53,344	25.8	11	2,197	12	2,418	0.2	78	114	71	128	26	11	2,310	12	2,546						
Mar-18	28.3	194	42,872	181	41,139	30.3	6	1,571	7	1,869	0.1	65	2	68	2	30	6	1,573	7	1,870						
Apr-18	24.9	193	39,963	184	38,054	28.5	7	1,593	10	2,281	0.0	0	0	0	0	29	7	1,593	10	2,281						
May-18	31.5	158	40,179	150	38,615	34.2	7	2,038	7	2,067	0	0	0	0	0	34.2	7	2,038	7	2,067						
Jun-18	30.4	168	37,515	196	49,428	31.6	6	1,638	7	1,971	0.9	59	415	72	458	32.5	7	2,053	8	2,428	24.8	46,578	45,658	27.4	7.7	9
Jul-18	27.3	243	52,693	259	57,191	30.6	6	1,406	9	2,206	0	0	0	0	0	30.6	6	1,406	9	2,206						
Aug-18	20.6	257	43,176	276	47,198	24.6	7	1,360	9	1,810	0.1	57	1,284	70	1576	24.8	7	1,404	9	1,865						
Sep-18	34.2	154	40,555	182	49,501	35.4	7	2,047	10	2,839	0.7	75	188	50	229	36	7	2,236	10	3,068	11/17 thru 10/18 for Int Gov					
Oct-18	50.8	95	36,120	138	52,705	45.8	7	2,871	11	4,269	5	48	1,875	52	2084	50.9	10	4,746	14	6,352		44363	45198			
Nov-18	32.0	165	43,679	147	39,209	33.4	7	2,015	11	2,999	0	0	0	0	0	33.4	7	2,015	11	2,999						
Dec-18	35.0	153	42,623	165	46,377	36.4	7	2,193	8	2,500	1.2	70	657	56	509	37.6	8	2,849	9	3,009	29.783	43,484	46,058	32.2	7.5	9.7
Jan-19	32.1	157	41,093	165	43,292	34.4	7	1,895	11	3,223	0.0	52	14	52	14	34.4	7	1,909	11	3,237						
Feb-19	46.1	97	35,084	129	49,306	45.4	11	3,943	16	6,047	2.8	64	3,287	59	3,455	48	13	5,234	18	7,404						
Mar-19	50.1	90	34,667	112	44,538	47.8	9	3,402	16	6,393	3.5	55	1,562	53	1,668	51	11	4,964	19	8,061						
Apr-19	58.5	72	34,526	91	43,682	53.1	7	3,321	13	5,715	5.7	57	2,380	49	2,335	59	11	5,753	16	8,109						
May-19	67.7	65	34,935	111	61,553	53.9	5	2,214	8	3,541	13.8	38	4,103	34	3920	67.7	11	6,317	13	7,461	Flood of 2019					
Jun-19	55.3	83	32,245	123	52,127	45.9	6	2,355	10	3,996	9.3	26	1,694	34	2177	55.3	8	4,025	13	6,173	42.5	39,283	48,890	44.1	8.8	12.7
Jul-19	31.4	130	32,353	147	41,682	30	6	1,599	9	2,371	0.8	64	614	30	264	30.8	7	2,213	10	2,636						
Aug-19	21.6	192	34,693	206	37,482	21.5	6	1,038	7	1,347	0	0	0	0	0	21.5	6	1,038	7	1,347						
Sep-19	27.8	150	32,514	165	37,117	27.8	7	1,563	7	1,888	0.3	45	117	56	151	28.2	7	1,680	8	2,040	11/18 thru 10/19 for Int Gov					
Oct-19	35.3	101	28,530	126	36,217	35.4	8	2,288	14	4,275	0	38	12	115	37	35.5	8	2,300	14	4,312		35579	44382			
Nov-19	26.8	153	33,880	164	36,560	24.8	7	1,369	11	2,195	0	0	0	0	0	24.8	7	1,369	11	2,195						
Dec-19	24.0	157	30,944	161	31,499	22.4	7	1,288	11	1,993	0	0	0	0	0	22.4	7	1,288	11	1,993	39.725	33,789	42,921	39.9	8.6	12.6
Jan-20	23.5	165	32,489	163	32,019	24.9	8	1,759	13	2,652	0	0	0	0	0	24.9	8	1,759	13	2,652						
Feb-20	24.1	151	29,955	171	34,304	25.4	8	1,645	12	2,551	0	0	0	0	0	25.4	8	1,645	12	2,551						
Mar-20	31.4	128	30,359	154	38,001	31	7	1,862	10	2,561	1.3	48	436	70	629	32.3	8	2,298	11	3,190						
Apr-20	37.3	102	31,048	124	37,811	38.7	5	1,540	7	2,252	0.2	68	102	50	75	28.9	5	1,642	7	2,328						
May-20	36.0	110	30,981	143	43,118	36.4	4	1,343	7	2,292	1.2	43	407	57	466	37.6	5	1,750	8	2,758						
Jun-20	28.5	142	32,978	155	36,760	30.4	7	1,690	6	1,466	0	0	0	0	0	30.4	7	1,690	6	1,466	28.975	31,727	36,881	28.6	6.9	9.8
Jul-20	23.5	175	34,202	207	41,286	24.3	5	1,108	6	1,130	0	0	0	0	0	24.3	5	1,108	6	1,130						
Aug-20	19.1	209	33,260	205	32,798	18.4	6	916	6	885	0	0	0	0	0	18.4	6	916	6	885						
Sep-20	29.9	205	44,261	180	43,112	30.5	8	1,876	12	2,856	1.1	44	380	49	442	31.6	8	2,256	13	3,298	11/19 thru 10/20 for Int Gov					
Oct-20	23.1	199	37,760	183	38,139	27.1	6	1,454	10	2,278	0.1	55	28	92	47	27.1	7	1,483	10	2,325		33,510	37,117			
Nov-20	22.0	252	46,224	207	37,916	27.4	7	1,561	10	2,217	0	0	0	0	0	27.4	7	1,561	10	2,217						
Dec-20	21.0	303	53,042	205	36,095	25.1	7	1,384	9	1,969	0	0	0	0	0	25.1	7	1,384	9	1,969	26.617	36,380	37,613	27.8	6.8	9.3
Jan-21	21.0	265	46,088	194	33,909	23.3	8	1,573	13	2,610	0	0	0	0	0	23.3	8	1,573	13	2,610						
Feb-21	24.7	293	56,200	199	39,464	25.7	7	1,433	10	2,280	0.2	60	89	46	69	25.8	7	1,522	11	2,349						
Mar-21	39.9	149	48,500	141	45,944	41.1	7	2,255	10	3,475	0.2	53	95	57	101	41.3	7	2,349	10	3,575						
Apr-21	35.0	144	38,876	157	42,561	34.9	6	1,585	7	2,133	1.9	37	559	40	578	36.8	6	2,144	8	2,712						
May-21	28.3	154	36,642	174	41,731	29.6	7	1,781	12	3,009	0.9	90	198	126	303	29.9	8	1,979	13	3,312						
Jun-21	21.3	240	42,233	211	37,962	23.2	5	1,022	6	1,199	0	0	0	0	0	23.2	5	1,022	6	1,199	25.733	43,107	39,243	27.9	6.8	9.6
Jul-21	20.3	273	45,733	241	40,587	22	4	727	5	971	0	0	0	0	0	22	4	727	5	971						
Aug-21	17.2	232	33,469	214	31,125	19.8	6	950	6	1,050	0	0	0	0	0	19.8	6	950	6	1,050						
Sep-21	17.6	246	35,815	210	30,655	19.9	7	1,159	6	1,046	0	0	0													



DAVENPORT

PUBLIC WORKS
WATER POLLUTION CONTROL

February 4, 2022

TO: Joint Use System Contract Committee Members:

RE: Allocation of Costs to JUSCC Cities

I have enclosed information in your packet to adopt a budget and distribute costs for the Water Pollution Control Plant, Industrial Pretreatment and Compost Facility. The proposed budget again demonstrates a commitment from these facilities to operate effectively and efficiently. The total budget number reduced by 1.65 % from last year.

I am presenting you with a spreadsheet that breaks down the 28E allocation by Industrial Pretreatment, Flow at 60% of the cost and Organics at 40% of the cost. Actual flows and loads for CY21 are included on the 28E allocation spreadsheet. In this spreadsheet, I used the 2020 population census residential data. The Operation & Maintenance Cost Percent and Pretreatment cost were used to allocate the annual costs to the four cities. I have attached industrial annual total sheets for Davenport, Bettendorf and Riverdale. Flows and BOD's are highlighted and used in the allocation spreadsheet. I have included a WPCP Load Allocation report for CY21.

The following percentages for Operation and Maintenance, and Industrial Pretreatment costs are being submitted for review and approval for this Joint Use System Contract Committee meeting.

Davenport	78.82%
Bettendorf	19.95%
Riverdale	1.16%
Panorama Park	0.07%

The FY2023 Fund cost allocation spreadsheet represents WPCP's budget request, prior year budgets and actual expenditures. The finance department identified all revenue as a separate line item such as compost sales, energy sales and miscellaneous. You will find the Wastewater Equipment Replacement Fund-Status included in this packet.

The Joint Use System Technical Committee meets on the third Wednesday of each month. Topics of these meetings included: RNG and Digester Project, UV Disinfection Construction, Gray Water Construction, Flooded Drywell in the Lift Station, and Update on the WPC plant projects. The committee will continue to work on these issues in the coming year.

We have a completed Administrative Consent Order with IDNR. We have a current NPDES Permit in place. Construction of the Wet Weather Optimization Project is complete. Waiting on V&K to close out the Wet Weather Optimization Project. The UV Disinfection construction is 95% complete and is

operational. Strand & Associates has provided a draft of the Nutrient Reduction Study update, required by the NPDES permit, submitted to the IDNR by July 1, 2022.

I would like to express my appreciation for support from the Joint Use System Contract Committee and the City of Davenport for giving me the opportunity to serve this organization.

Sincerely,



Daniel B. Miers
WPC Plant Manager

Water Pollution Control Cost Allocations

FY 2023 Fund 115 Cost Allocation

	FY 2018 Budget	FY 2018 Actual	FY 2019 Budget	FY 2019 Actual	FY 2020 Budget	FY 2020 Actual	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget
Public Works Administration									
Employee Expense	49,760	50,197	53,828	47,452	55,976	58,035	60,214	61,052	117,890
Supplies and Services	28,780	20,038	29,280	17,525	35,153	23,926	36,405	36,206	33,526
Capital Expenditures	-	-	-	-	-	-	-	-	-
Total	78,540	70,235	83,108	64,977	91,129	81,961	96,619	97,258	151,416
Water Pollution Control Plant									
Employee Expense	3,065,688	2,905,606	3,088,609	2,912,833	3,175,498	3,032,896	3,211,976	3,241,915	3,310,985
Supplies and Services	2,756,818	2,787,849	2,818,898	2,804,520	2,732,143	2,577,793	2,873,192	2,804,398	2,843,990
Capital Expenditures	350,000	102,017	280,000	3,402	310,000	272,005	280,000	250,000	170,000
Total	6,172,506	5,795,472	6,187,507	5,720,755	6,217,641	5,882,694	6,365,168	6,296,313	6,324,975
Compost Facility									
Employee Expense	1,078,832	1,013,093	1,067,946	1,065,924	1,129,351	1,084,625	1,097,134	1,124,147	1,218,470
Supplies and Services	1,108,517	980,320	1,082,148	966,994	1,074,946	971,887	1,106,871	1,061,598	1,119,280
Capital Expenditures	157,500	120,939	82,500	8,958	187,500	95,946	77,500	217,500	77,500
Total	2,344,849	2,114,352	2,232,594	2,041,876	2,391,797	2,152,458	2,281,505	2,403,245	2,415,250
Facilities Maintenance									
Employee Expense	N/A	N/A	N/A	N/A	N/A	N/A	N/A	92,008	-
Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	92,008	-
Fleet Management									
Employee Expense	99,646	79,270	84,191	59,701	97,408	91,339	95,498	97,972	99,060
Supplies and Services	2,600	2,449	2,600	2,154	6,687	6,212	7,564	6,813	7,513
Capital Expenditures	-	-	-	-	-	-	-	-	-
Total	102,246	81,719	86,791	61,855	104,095	97,551	103,062	104,785	106,573
Sewer Maintenance									
Supplies and Services	N/A	N/A	20,000	-	20,000	-	-	-	-
Total	N/A	N/A	20,000	-	20,000	-	-	-	-
Operations & Support Services									
Employee Expense	42,946	43,565	45,484	46,371	48,352	50,529	52,252	54,451	-
Supplies and Services	-	-	-	-	7,435	7,435	9,006	8,570	-
Capital Expenditures	-	-	-	-	-	-	-	-	-
Total	42,946	43,565	45,484	46,371	55,787	57,964	61,258	63,021	-
Total Budget	8,741,087	8,105,343	8,655,484	7,935,834	8,880,449	8,272,628	8,907,612	9,056,630	8,998,214
Offsetting Revenues									
Compost Sales	550,000	610,907	580,000	421,790	580,000	647,466	600,000	605,000	375,000
Energy Sales	490,000	563,104	500,000	461,764	500,000	425,045	500,000	450,000	450,000
Miscellaneous	770	470	770	1,123	-	-	-	-	-
Total	1,040,770	1,174,481	1,080,770	884,677	1,080,000	1,072,511	1,100,000	1,055,000	825,000
Debt Service Expense									
Principal Payments	N/A	N/A	N/A	N/A	329,000	-	350,988	683,000	695,000
Interest Payments	N/A	N/A	N/A	N/A	115,308	-	130,295	267,175	240,535
Total	N/A	N/A	N/A	N/A	444,308	-	481,283	950,175	935,535
Operating Net Cost to Allocate	7,700,317	6,930,862	7,574,714	7,051,157	7,800,449	7,200,117	7,807,612	8,001,630	8,173,214
Allocation Percentages									
Davenport	79.89%		80.26%		81.33%		79.75%	79.59%	78.82%
Bettendorf	19.25%		18.88%		17.87%		19.14%	19.38%	19.95%
Riverdale	0.79%		0.79%		0.73%		1.03%	0.95%	1.16%
Panorama Park	0.07%		0.07%		0.07%		0.07%	0.08%	0.07%
Operating Allocation Amounts (Fund 115)									
Davenport	6,151,783	5,537,065	6,079,465	5,666,324	6,344,105		6,226,571	6,368,497	6,442,127
Bettendorf	1,482,311	1,334,191	1,430,106	1,322,797	1,393,940		1,494,377	1,550,716	1,630,556
Riverdale	60,833	54,744	59,840	57,099	56,943		80,418	76,015	94,809
Panorama Park	5,390	4,861	5,302	4,936	5,460		5,465	6,401	5,721
Total	7,700,317	6,930,861	7,574,714	7,051,156	7,800,449		7,806,831	8,001,630	8,173,214
To Replacement Fund (Fund 116)									
Davenport	1,047,488	1,047,516	1,042,034	1,043,462	1,083,370		1,065,573	955,275	966,319
Bettendorf	252,399	252,406	245,123	243,565	238,040		255,738	232,607	244,583
Riverdale	10,358	10,358	10,257	10,516	9,724		13,762	11,402	14,221
Panorama Park	918	918	909	909	932		935	960	858
Total	1,311,163	1,311,198	1,298,323	1,298,452	1,332,067		1,336,008	1,200,245	1,225,982
To Debt Service Fund (Fund 118)									
Davenport	N/A	N/A	N/A	N/A	N/A	N/A	383,823	756,244	737,389
Bettendorf	N/A	N/A	N/A	N/A	N/A	N/A	92,118	184,144	186,639
Riverdale	N/A	N/A	N/A	N/A	N/A	N/A	4,957	9,027	10,852
Panorama Park	N/A	N/A	N/A	N/A	N/A	N/A	337	760	655
Total	N/A	N/A	N/A	N/A	N/A	N/A	481,235	950,175	935,535
To Reserve (Fund 119)									
Davenport	N/A	N/A	N/A	N/A	N/A	N/A	124,531	127,370	128,843
Bettendorf	N/A	N/A	N/A	N/A	N/A	N/A	29,888	31,014	32,611
Riverdale	N/A	N/A	N/A	N/A	N/A	N/A	1,608	1,520	1,896
Panorama Park	N/A	N/A	N/A	N/A	N/A	N/A	109	128	114
Total	N/A	N/A	N/A	N/A	N/A	N/A	156,137	160,033	163,464
Total Allocation Amount									
Davenport	7,199,271	6,584,581	7,121,499	6,709,786	7,427,476	5,666,324	7,800,498	8,207,386	8,274,678
Bettendorf	1,734,710	1,586,597	1,675,229	1,566,362	1,631,981	1,316,016	1,872,120	1,998,482	2,094,390
Riverdale	71,191	65,102	70,097	67,615	66,667	53,760	100,746	97,965	121,779
Panorama Park	6,308	5,779	6,211	5,845	6,393	5,155	6,847	8,250	7,349
Total	9,011,480	8,242,059	8,873,037	8,349,608	9,132,516	7,041,255	9,780,211	10,312,082	10,498,195

**6-YEAR CAPITAL PROJECT LIST & FUNDING PLAN
ALL CITIES**

PAY/GO FINANCING

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
COMPOST TRENCH REPLACEMENT	\$ -	\$ -	\$ 300,000	\$ 605,000	\$ -	\$ -
COMPOST STORAGE EXPANSION	\$ -	\$ -	\$ -	\$ 75,000	\$ 300,000	\$ -
WPCP BUILDING RENOVATIONS	\$ -	\$ -	\$ -	\$ 85,000	\$ -	\$ -
COMPOST LIGHTING UPGRADES	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -
COMPOST ENDLOADER REPLACEMENT PROGRAM	\$ -	\$ -	\$ -	\$ 365,000	\$ 200,000	\$ -
WPCP & COMPOST FLOOD MITIGATION PHASE I	\$ 1,220,000	\$ -	\$ -	\$ -	\$ -	\$ -
CLARIFIER DRIVE REPAIR & REPLACEMENT PROGRAM	\$ -	\$ 1,220,000	\$ -	\$ -	\$ -	\$ -
DIGESTER CLEANING & REPAIR PROGRAM	\$ -	\$ -	\$ 950,000	\$ -	\$ 810,000	\$ 1,310,000
	\$ 1,220,000	\$ 1,220,000	\$ 1,250,000	\$ 1,280,000	\$ 1,310,000	\$ 1,310,000

DEBT FINANCING - PROJECT

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
PRINCIPAL & INTEREST	\$ 935,535	\$ 964,900	\$ 965,720	\$ 965,240	\$ 965,480	\$ 965,420

PAY/GO FINANCING

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
DAVENPORT	\$ 961,604	\$ 961,604	\$ 985,250	\$ 1,008,896	\$ 1,032,542	\$ 1,032,542
BETTENDORF	\$ 243,390	\$ 243,390	\$ 249,375	\$ 255,360	\$ 261,345	\$ 261,345
RIVERDALE	\$ 14,152	\$ 14,152	\$ 14,500	\$ 14,848	\$ 15,196	\$ 15,196
PANORAMA PARK	\$ 854	\$ 854	\$ 875	\$ 896	\$ 917	\$ 917

DEBT FINANCING - PROJECT

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
DAVENPORT	\$ 737,389	\$ 760,534	\$ 761,181	\$ 760,802	\$ 760,991	\$ 760,944
BETTENDORF	\$ 186,639	\$ 192,498	\$ 192,661	\$ 192,565	\$ 192,613	\$ 192,601
RIVERDALE	\$ 10,852	\$ 11,193	\$ 11,202	\$ 11,197	\$ 11,200	\$ 11,199
PANORAMA PARK	\$ 655	\$ 675	\$ 676	\$ 676	\$ 676	\$ 676

**6-YEAR CAPITAL PROJECT LIST & FUNDING PLAN
DAVENPORT SHARE ONLY**

PAY/GO FINANCING

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
COMPOST TRENCH REPLACEMENT	\$ -	\$ -	\$ 236,460	\$ 476,861	\$ -	\$ -
COMPOST STORAGE EXPANSION	\$ -	\$ -	\$ -	\$ 59,115	\$ 236,460	\$ -
WPCP BUILDING RENOVATIONS	\$ -	\$ -	\$ -	\$ 66,997	\$ -	\$ -
COMPOST LIGHTING UPGRADES	\$ -	\$ -	\$ -	\$ 118,230	\$ -	\$ -
COMPOST ENDLOADER REPLACEMENT PROGRAM	\$ -	\$ -	\$ -	\$ 287,693	\$ 157,640	\$ -
WPCP & COMPOST FLOOD MITIGATION PHASE I	\$ 961,604	\$ -	\$ -	\$ -	\$ -	\$ -
CLARIFIER DRIVE REPAIR & REPLACEMENT PROGRAM	\$ -	\$ 961,604	\$ -	\$ -	\$ -	\$ -
DIGESTER CLEANING & REPAIR PROGRAM	\$ -	\$ -	\$ 748,790	\$ -	\$ 638,442	\$ 1,032,542

**6-YEAR CAPITAL PROJECT LIST & FUNDING PLAN
BETTENDORF SHARE ONLY**

PAY/GO FINANCING

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
COMPOST TRENCH REPLACEMENT	\$ -	\$ -	\$ 59,850	\$ 120,698	\$ -	\$ -
COMPOST STORAGE EXPANSION	\$ -	\$ -	\$ -	\$ 14,963	\$ 59,850	\$ -
WPCP BUILDING RENOVATIONS	\$ -	\$ -	\$ -	\$ 16,958	\$ -	\$ -
COMPOST LIGHTING UPGRADES	\$ -	\$ -	\$ -	\$ 29,925	\$ -	\$ -
COMPOST ENDLOADER REPLACEMENT PROGRAM	\$ -	\$ -	\$ -	\$ 72,818	\$ 39,900	\$ -
WPCP & COMPOST FLOOD MITIGATION PHASE I	\$ 243,390	\$ -	\$ -	\$ -	\$ -	\$ -
CLARIFIER DRIVE REPAIR & REPLACEMENT PROGRAM	\$ -	\$ 243,390	\$ -	\$ -	\$ -	\$ -
DIGESTER CLEANING & REPAIR PROGRAM	\$ -	\$ -	\$ 189,525	\$ -	\$ 161,595	\$ 261,345

**6-YEAR CAPITAL PROJECT LIST & FUNDING PLAN
RIVERDALE SHARE ONLY**

PAY/GO FINANCING

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
COMPOST TRENCH REPLACEMENT	\$ -	\$ -	\$ 3,480	\$ 7,018	\$ -	\$ -
COMPOST STORAGE EXPANSION	\$ -	\$ -	\$ -	\$ 870	\$ 3,480	\$ -
WPCP BUILDING RENOVATIONS	\$ -	\$ -	\$ -	\$ 986	\$ -	\$ -
COMPOST LIGHTING UPGRADES	\$ -	\$ -	\$ -	\$ 1,740	\$ -	\$ -
COMPOST ENDLOADER REPLACEMENT PROGRAM	\$ -	\$ -	\$ -	\$ 4,234	\$ 2,320	\$ -
WPCP & COMPOST FLOOD MITIGATION PHASE I	\$ 14,152	\$ -	\$ -	\$ -	\$ -	\$ -
CLARIFIER DRIVE REPAIR & REPLACEMENT PROGRAM	\$ -	\$ 14,152	\$ -	\$ -	\$ -	\$ -
DIGESTER CLEANING & REPAIR PROGRAM	\$ -	\$ -	\$ 11,020	\$ -	\$ 9,396	\$ 15,196

**6-YEAR CAPITAL PROJECT LIST & FUNDING PLAN
PANORAMA PARK SHARE ONLY**

PAY/GO FINANCING

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
COMPOST TRENCH REPLACEMENT	\$ -	\$ -	\$ 210	\$ 424	\$ -	\$ -
COMPOST STORAGE EXPANSION	\$ -	\$ -	\$ -	\$ 53	\$ 210	\$ -
WPCP BUILDING RENOVATIONS	\$ -	\$ -	\$ -	\$ 60	\$ -	\$ -
COMPOST LIGHTING UPGRADES	\$ -	\$ -	\$ -	\$ 105	\$ -	\$ -
COMPOST ENDLOADER REPLACEMENT PROGRAM	\$ -	\$ -	\$ -	\$ 256	\$ 140	\$ -
WPCP & COMPOST FLOOD MITIGATION PHASE I	\$ 854	\$ -	\$ -	\$ -	\$ -	\$ -
CLARIFIER DRIVE REPAIR & REPLACEMENT PROGRAM	\$ -	\$ 854	\$ -	\$ -	\$ -	\$ -
DIGESTER CLEANING & REPAIR PROGRAM	\$ -	\$ -	\$ 665	\$ -	\$ 567	\$ 917

FY22 Water Pollution Control Funds Cash Balance

	Replacement	Debt Service	Reserve	Total
7/1/21 Beginning cash balance	3,732,294	(93,558)	169,445	3,808,181
FY22 - Cash activity for FY21	(260,197)	93,558		
FY22 CIP transfers to date	(444,598)	-	-	(444,598)
FY22 Interest to date	14,959	-	742	15,701
FY22 Revenue	1,234,146	885,465 *	164,553	2,284,164
Estimate total available	<u>4,276,604</u>	<u>885,465</u>	<u>334,740</u>	<u>5,663,448</u>
Remaining to transfer to CIP (includes all budgeted FY22 projects)				
SRF payments (Plant Optimization)	-	(443,980) *	-	(443,980)
SRF payments (UV Disinfection)	-	(441,485) *	-	(441,485)
24031 Compost Endloader Program	(607,928)	-	-	(607,928)
30038 1930's Sanitary Sewer Riverfront Interceptor	(143,692)	-	-	(143,692)
39005 UV Disinfection	(192,043)	-	-	(192,043)
39009 Clarifier Drive Repair & Replacement	(62,555)	-	-	(62,555)
39010 Nutrient Reduction Study & Improvements	(2,969)	-	-	(2,969)
39012 WPCP & Compost Flood Mitigation	(1,289,890)	-	-	(1,289,890)
	<u>(2,299,077)</u>	<u>(885,465)</u>	<u>-</u>	<u>(3,184,542)</u>
Balance available as of 12/31/21	<u>1,977,527</u>	<u>-</u>	<u>334,740</u>	<u>2,478,906</u>

* Estimated

28 E Allocation FY23

A	B	C	D	E	F	G	H
1	FY 2023 Budget (July 1, 2022 to June 30, 2023)						
2	Total Est. Annual O&M, PW Admin., Fleet and Compost			\$ 8,998,214			
3	Total Est. Annual Energy Credit, Compost Revenue and Misc. Revenue			\$ 825,000			
4			Estimated O&M:	\$ 8,173,214			
5							
6	Actual Industrial Pretreatment Cost- CY 2021		\$ 1,596,979				
7	WPCP Treatment Cost (O&M minus Pretreatment)		\$ 6,576,235				
8							
9	Total Plant Flow (gal.)- CY 2021		8,538,080,000	23.392	Annual avg. of the monthly, daily flow avg. from WPCP (MGD)		
10							
11	Total Plant Organics (lbs. BOD)- CY 2021		14,075,130	38,562	Annual avg. of the monthly, daily BOD avg. from WPCP (lbs.)		
12							
13	City	Population					
14	Davenport	101,724					
15	Bettendorf	39,102					
16	Riverdale	379					
17	Panorama Park	139					
18	Total:		141,344				
19			Flow Cost (\$)	Flow/1,000 gal.	Cost/ 1,000 gal.		
20	Flow = 60% of WPCP Treatment Cost		\$ 3,945,741.0	8,538,080	\$ 0.46		
21							
22			BOD Cost (\$)	lbs. BOD	Cost/ lb. BOD		
23	Organics (BOD) = 40% of WPCP Treatment Cost		\$ 2,630,494.0	14,075,130	\$ 0.19		
24							
25	Annual Industrial Pretreatment Flow- CY 2021						
26	City	Gallons	% Total	Flow/1,000 gal.	Cost/ 1,000 gal.		
27	Davenport	504,387,275	89.77%	504,387	\$ 233,095		
28	Bettendorf	18,365,437	3.27%	18,365	\$ 8,487		
29	Riverdale	39,114,365	6.96%	39,114	\$ 18,076		
30	Panorama Park	0	0.00%	0	\$ -		
31	Total:		561,867,077		561,867	\$ 259,658	
32							
33	Annual Industrial Pretreatment Organics (BOD)- CY 2021						
34	City	lbs. BOD	% Total	Cost/ lb. BOD			
35	Davenport	3,037,012	99.08%	\$ 567,586			
36	Bettendorf	16,278	0.53%	\$ 3,042			
37	Riverdale	11,965	0.39%	\$ 2,236			
38	Panorama Park	0	0.00%	\$ -			
39	Total:		3,065,255		\$ 572,864		
40							
41	Residential & Commercial Flow						
42	Total Residential & Commercial Flow (gal.)- CY 2021			7,976,212,923			
43	Annual Flow (gallons/yr./capita)			56,431.21			
44	Daily Average Flow (gallons/day/capita)			154.61	<i>Industry Standard is equivalent is 100 gallons/day/capita</i>		
45							
46	Residential & Commercial Organics (BOD)						
47	Total Residential & Commercial Organics (lbs. BOD)- CY 2021			11,009,875			
48	Annual BOD PE (lbs./yr/capita)			77.894			
49	Daily Ave BOD PE (lbs./day/capita)			0.213	<i>Industry Standard is equivalent is 0.17 lbs/day/capita</i>		
50							
51	Residential & Commercial Flow & Organics (BOD)						
52	City	Population	Annual Res. & Com. Flow (gal.)	Flow Cost/1,000 gal. (\$)	Annual Res. & Com. BOD (lbs.)	Annual Res. & Com. Organic Cost (\$)	
53	Davenport	101,724	5,740,408,389	\$ 2,652,841	7,923,708	\$ 1,480,858	
54	Bettendorf	39,102	2,206,573,167	\$ 1,019,734	3,045,818	\$ 569,231	
55	Riverdale	379	21,387,429	\$ 9,884	29,522	\$ 5,517	
56	Panorama Park	139	7,843,938	\$ 3,625	10,827	\$ 2,024	
57	Total:		7,976,212,923	\$ 3,686,083	11,009,875	\$ 2,057,630	
58							
59	Summary of Total O&M Treatment Costs Less Pretreatment Cost						
60	City	Annual Res. & Com. Flow Cost/1,000 gal. (\$)	Annual Res. & Com. Organic Cost (\$)	Annual Industrial Flow Cost/1,000 gal. (\$)	Annual Industrial Organic Cost (\$)	Total Annual Cost (\$)	
61	Davenport	\$ 2,652,841	\$ 1,480,858	\$ 233,095	\$ 567,586	\$ 4,934,379	
62	Bettendorf	\$ 1,019,734	\$ 569,231	\$ 8,487	\$ 3,042	\$ 1,600,494	
63	Riverdale	\$ 9,884	\$ 5,517	\$ 18,076	\$ 2,236	\$ 35,713	
64	Panorama Park	\$ 3,625	\$ 2,024	\$ -	\$ -	\$ 5,648	
65	Total:					\$ 6,576,235	
66							
67	Actual Industrial Pretreatment Cost Breakdown				Combined O&M and Pretreatment Cost		
68	City	% Flow	% BOD	Average %	Pretreatment Costs (\$)	Total Cost	Allocation % cost
69	Davenport	89.77%	99.08%	94.42%	\$1,507,935	\$6,442,314	78.82%
70	Bettendorf	3.27%	0.53%	1.90%	\$30,340	\$1,630,835	19.95%
71	Riverdale	6.96%	0.39%	3.68%	\$58,704	\$94,417	1.16%
72	Panorama Park	0.00%	0.00%	0.00%	\$0	\$5,648	0.07%
73	Total:				\$1,596,979	\$ 8,173,214	100.00%

Water Pollution Control Plant Capacity

Design Based on 40 MG MWW,	PE Factor	Population Equivalent (PE)	85% PE
Flow, 40 MG	100 gallons/capita/day	400,000	340,000
BOD, 65,000 lbs/day	0.17 lbs BOD/capita/day	382,353	325,000
Total Suspended Solids, 67,200 lbs./day	0.23 lbs. TSS/capita/day	292,174	248,348

2020 Census Data		% of PE Flow 40 MG MWW	Percent of Capacity	PE Flow 100%	PE Flow 85%
100 gallons/capita/day	Population		40 MWW % PE Flow	40 MWW % PE Flow	40 MWW % PE Flow
Davenport	101,724	25.43%	71.97%	287,876	244,695
Bettendorf	39,102	9.78%	27.66%	110,658	94,059
Riverdale	379	0.09%	0.27%	1,073	912
Panorama Park	139	0.03%	0.10%	393	334
Total	141,344	35.34%	100.00%	400,000	340,000

2020 Census Data		% of PE Flow 40 MG MWW	Percent of Capacity	PE BOD 100%	PE BOD 85%
BOD PE @ 0.17 lbs. BOD/capita/day	Population		40 MWW % PE Flow	40 MWW % PE Flow	40 MWW % PE Flow
Davenport	101,724	26.60%	71.97%	275,176	233,900
Bettendorf	39,102	10.23%	27.66%	105,776	89,909
Riverdale	379	0.10%	0.27%	1,025	871
Panorama Park	139	0.04%	0.10%	376	320
Total	141,344	36.97%	100.00%	382,353	325,000

2020 Census Data		% of PE Flow 40 MG MWW	Percent of Capacity	PE TSS 100%	PE TSS 85%
TSS PE @ 0.23 lbs. BOD/capita/day	Population		40 MWW % PE Flow	40 MWW % PE Flow	40 MWW % PE Flow
Davenport	101,724	34.82%	71.97%	210,275	178,734
Bettendorf	39,102	13.38%	27.66%	80,828	68,704
Riverdale	379	0.13%	0.27%	783	666
Panorama Park	139	0.05%	0.10%	287	244
Total	141,344	48.38%	100.00%	292,174	248,348

City Population Equivalent Worksheet Totals and Percentages. **85% Capacity**

City	Flow, PE			BOD, lbs/day			TSS, lbs/day		
	40 MWW PE		Population	40 MWW PE		Population	40 MWW PE		Population
Davenport									
Population	244,695	41.57%	101,724	233,900	43.49%	101,724	178,734	56.91%	101,724
Industry	244,695	15.58%	38,118	233,900	65.80%	153,896	178,734	45.54%	81,401
Total		57.15%	139,842		109.29%	255,620		102.46%	183,125
Total	340,000	41.13%	139,842	325,000	78.65%	255,620	248,348	73.74%	183,125
Bettendorf									
Population	94,059	41.57%	39,102	89,909	43.49%	39,102	68,704	56.91%	39,102
Industry	94,059	1.44%	1,350	89,909	3.27%	2,941	68,704	2.85%	1,956
Total		43.01%	40,452		46.76%	42,043		59.76%	41,058
Total	340,000	11.90%	40,452	325,000	12.94%	42,043	248,348	16.53%	41,058
Riverdale									
Population	921	41.15%	379	871	43.51%	379	666	56.91%	379
Industry	921	276.87%	2,550	871	358.67%	3,124	666	415.92%	2,770
Total		318.02%	2,929		402.18%	3,503		472.82%	3,149
Total	340,000	0.86%	2,929	325,000	1.08%	3,503	248,348	1.27%	3,149
Panorama Park									
Population	334	41.62%	139	320	43.44%	139	244	56.97%	139
Total		41.62%	139		43.44%	139		56.97%	139
Total	340,000	0.04%	136	325,000	0.04%	139	248,348	0.05%	136
Percentage of Capacity Allocated		53.93%	183,359		92.71%	301,305		91.59%	227,468

City Population Equivalent Worksheet Totals and Percentages. **100% Capacity**

City	Flow, PE			BOD, lbs/day			TSS, lbs/day		
	40 MWW PE		Population	40 MWW PE		Population	40 MWW PE		Population
Davenport									
Population	287,876	35.34%	101,724	275,176	36.97%	101,724	210,275	48.38%	101,724
Industry	287,876	13.24%	38,118	275,176	55.93%	153,896	210,275	38.71%	81,401
Total		48.58%	139,842		92.89%	255,620		87.09%	183,125
Total	400,000	34.96%	139,842	382,353	66.85%	255,620	292,174	62.68%	183,125
Bettendorf									
Population	110,658	35.34%	39,102	105,776	36.97%	39,102	80,828	48.38%	39,102
Industry	110,658	1.22%	1,350	105,776	2.78%	2,941	80,828	2.42%	1,956
Total		36.56%	40,452		39.75%	42,043		50.80%	41,058
Total	400,000	10.11%	40,452	382,353	11.00%	42,043	292,174	14.05%	41,058
Riverdale									
Population	1,073	35.32%	379	1,025	36.98%	379	783	48.40%	379
Industry	1,073	237.65%	2,550	1,025	304.78%	3,124	783	353.77%	2,770
Total		272.97%	2,929		341.76%	3,503		402.17%	3,149
Total	400,000	0.73%	2,929	382,353	0.92%	3,503	292,174	1.08%	3,149
Panorama Park									
Population	393	35.37%	139	376	36.97%	139	287	48.43%	139
Total		35.37%	139		36.97%	139		48.43%	139
Total	400,000	0.03%	139	382,353	0.04%	139	292,174	0.05%	139
Percentage of Capacity Allocated		45.84%	183,362		78.80%	301,305		77.85%	227,471

Search

Davenport city, Iowa | Total Population in Davenport city, Iowa

101,724

[] Source: 2020 Decennial Census [https://www.census.gov/programs-surveys/decennial-census/about/rdo.html]

[EXPLORE DATA](#)

Davenport city, Iowa Profile

Davenport city, Iowa is a city, town, place equivalent, and township located in Iowa. Davenport city, Iowa has a land area of 63.5 square miles.



[https://data.census.gov/cedsci/profile?g=1600000US1919000]

QuickFacts

QuickFacts provides frequently requested Census Bureau information at the national, state, county, and city level.

[VIEW \[https://www.census.gov/quickfacts/table/PST045215/1919000\]](https://www.census.gov/quickfacts/table/PST045215/1919000)

[U.S. Census Bureau QuickFacts: Davenport city, Iowa](https://www.census.gov/quickfacts/davenportcityiowa) [https://www.census.gov/quickfacts/davenportcityiowa]

Frequently requested statistics for: Davenport city, Iowa...What's New & FAQs QuickFacts Davenport city, Iowa QuickFacts provides statistics...for all states and counties, and fo...
[https://www.census.gov/quickfacts/davenportcityiowa] [https://www.census.gov/quickfacts/davenportcityiowa]

2007 Economic Census Reference Maps: Iowa [https://www.census.gov/geographies/reference-maps/2007/econ/census/iowa.html]

...metropolitan/micropolitan area reference maps for Iowa from the 2007 Economic Census...Reference Maps: Iowa 2007 Economic Census Reference Maps: Iowa Skip Navigation...2007 Economic Census Refera...
[https://www.census.gov/geographies/reference-maps/2007/econ/census/iowa.html] [https://www.census.gov/geographies/reference-maps/2007/econ/census/iowa.html]

2012 Economic Census Reference Maps: Iowa [https://www.census.gov/geographies/reference-maps/2012/econ/census/iowa.html]

...metropolitan/micropolitan area reference maps for Iowa from the 2012 Economic Census...Reference Maps: Iowa 2012 Economic Census Reference Maps: Iowa Skip Navigation...2012 Economic Census Refera...
[https://www.census.gov/geographies/reference-maps/2012/econ/census/iowa.html] [https://www.census.gov/geographies/reference-maps/2012/econ/census/iowa.html]

Iowa 175th Anniversary of Statehood (1846): December 28, 2021 [https://www.census.gov/newsroom/stories/iowa-admission-anniversary.html]

...Iowa was admitted to the Union on Dec. 28, 1846, as the 29th state. Nickname:...Stories / Iowa 175th Anniversary of Statehood (1846): December 28, 2021 Iowa 175th...2021 Skip Navigation Within New...
[https://www.census.gov/newsroom/stories/iowa-admission-anniversary.html] [https://www.census.gov/newsroom/stories/iowa-admission-anniversary.html]

Iowa [https://www.census.gov/geographies/reference-maps/2010/geo/2010-pumas/iowa.html]

Reference Maps / Iowa Iowa Skip Navigation Within Geographies Iowa Access Public...Public Use Microdata Area (PUMA) Maps Iowa Maps Code Name 19 00100 Sioux, Clay, Dickinson...
[https://www.census.gov/geographies/reference-maps/2010/geo/2010-pumas/iowa.html] [https://www.census.gov/geographies/reference-maps/2010/geo/2010-pumas/iowa.html]

1970 Census: Housing, Volume II. Metropolitan Housing Characteristics [https://www.census.gov/library/publications/1972/dec/housing-volume-2.html]

...central cities of SMSA's; prefix "D" to the SMSA total not in central cities; and...Metropolitan Statistical Area [22.0 MB] Kansas City, MO. - Kans. Standard Metropolitan Statistical...
[https://www.census.gov/library/publications/1972/dec/housing-volume-2.html] [https://www.census.gov/library/publications/1972/dec/housing-volume-2.html]

1970 Census of Population and Housing: Census Tracts [https://www.census.gov/library/publications/1972/dec/phc-1.html]

Housing Characteristics for Atlantic City, N.J. [19.1 MB] Population and Housing...Binghamton, NY-PA SMSA-Cedar Rapids, Iowa SMSA [<1.0 MB] Table P1-P8 and H1-H3...
[https://www.census.gov/library/publications/1972/dec/phc-1.html] [https://www.census.gov/library/publications/1972/dec/phc-1.html]

1890 Census Bulletins — Manufacturing and Industry [https://www.census.gov/library/publications/1890/dec/bulletins/manufacturing-and-industry.html]

...01, 1890 Statistics of Manufactures Cities and Towns by Supervisors' Districts...Valued at \$30,000,000 or Over [3.7 MB] Cities—Akron to Zanesville Akron, OH [<1.0...
[https://www.census.gov/library/publications/1890/dec/bulletins/manufacturing-and-industry.html] [https://www.census.gov/library/publications/1890/dec/bulletins/manufacturing-and-industry.html]

Number of Businesses Receiving Forms, By State [https://www.census.gov/programs-surveys/economic-census/year/2012/about/receiving.html]

...000 Illinois 180,000 Indiana 87,000 Iowa 47,000 Kansas 44,000 Kentucky 55,000...Metropolitan Statistical Area 11,000 Alexander City, AL Micropolitan Statistical Area 470...
[https://www.census.gov/programs-surveys/economic-census/year/2012/about/receiving.html] [https://www.census.gov/programs-surveys/economic-census/year/2012/about/receiving.html]

Search

Bettendorf city, Iowa | Total Population in Bettendorf city, Iowa

39,102

[] Source: 2020 Decennial Census [<https://www.census.gov/programs-surveys/decennial-census/about/rdo.html>]

[EXPLORE DATA](#)

Bettendorf city, Iowa Profile

Bettendorf city, Iowa is a city, town, place equivalent, and township located in Iowa. Bettendorf city, Iowa has a land area of 21.3 square miles.



[<https://data.census.gov/cedsci/profile?g=1600000US1906355>]

QuickFacts

QuickFacts provides frequently requested Census Bureau information at the national, state, county, and city level.

[VIEW \[//WWW.CENSUS.GOV/QUICKFACTS/TABLE/PST045215/1906355\]](https://www.census.gov/quickfacts/table/PST045215/1906355)

U.S. Census Bureau QuickFacts: Bettendorf city, Iowa [<https://www.census.gov/quickfacts/bettendorfcityiowa>]

Frequently requested statistics for: Bettendorf city, Iowa...What's New & FAQs QuickFacts Bettendorf city, Iowa QuickFacts provides statistics...for all states and counties, and ...
<https://www.census.gov/quickfacts/bettendorfcityiowa> [<https://www.census.gov/quickfacts/bettendorfcityiowa>]

Search

Riverdale city, Iowa | Total Population in Riverdale city, Iowa

379

[Source: 2020 Decennial Census \[https://www.census.gov/programs-surveys/decennial-census/about/rdo.html\]](https://www.census.gov/programs-surveys/decennial-census/about/rdo.html)

[EXPLORE DATA](#)

Riverdale city, Iowa Profile

Riverdale city, Iowa is a city, town, place equivalent, and township located in Iowa. Riverdale city, Iowa has a land area of 1.8 square miles.



[\[https://data.census.gov/cedsci/profile?g=1600000US1967350\]](https://data.census.gov/cedsci/profile?g=1600000US1967350)

QuickFacts

QuickFacts provides frequently requested Census Bureau information at the national, state, county, and city level.

[VIEW \[//WWW.CENSUS.GOV/QUICKFACTS/TABLE/PST045215/1967350\]](https://www.census.gov/quickfacts/table/PST045215/1967350)

2018 Geography Changes [\[https://www.census.gov/programs-surveys/aca/technical-documentation/table-and-geography-changes/2018/geography-changes.html\]](https://www.census.gov/programs-surveys/aca/technical-documentation/table-and-geography-changes/2018/geography-changes.html)

Midway district, Virginia (5194683) Ovid city, Michigan (2661860) Palm Tree town,...CDP, Missouri (2922798) Plantersville city, Texas (4858040) Salem Lakes village ..

<https://www.census.gov/programs-surveys/aca/technical-documentation/table-and-geography-changes/2018/geography-changes.html> [\[https://www.census.gov/programs-surveys/aca/technical-documentation/table-and-geography-changes/2018/geography-changes.html\]](https://www.census.gov/programs-surveys/aca/technical-documentation/table-and-geography-changes/2018/geography-changes.html)

Search

Panorama Park city, Iowa | Total Population in Panorama Park city, Iowa

139

[[Source: 2020 Decennial Census \[https://www.census.gov/programs-surveys/decennial-census/about/rdo.html\]](https://www.census.gov/programs-surveys/decennial-census/about/rdo.html)]

[EXPLORE DATA](#)

Panorama Park city, Iowa Profile

Panorama Park city, Iowa is a city, town, place equivalent, and township located in Iowa. Panorama Park city, Iowa has a land area of 0.1 square miles.



[<https://data.census.gov/cedsci/profile?g=1600000US1961365>]

QuickFacts

QuickFacts provides frequently requested Census Bureau information at the national, state, county, and city level.

[VIEW \[//WWW.CENSUS.GOV/QUICKFACTS/TABLE/PST045215/1961365\]](https://www.census.gov/quickfacts/table/PST045215/1961365)

U.S. Census Bureau QuickFacts: Iowa Park city, Texas (<https://www.census.gov/quickfacts/iowaparkcitytexas>)

Frequently requested statistics for: Iowa Park city, Texas...header What's New & FAQs QuickFacts Iowa Park city, Texas QuickFacts provides statistics...for all states and countie...
<https://www.census.gov/quickfacts/iowaparkcitytexas> [<https://www.census.gov/quickfacts/iowaparkcitytexas>]

VACANT

Month	Year	Flow (100 ft3)	BOD (mg/l)	SS (mg/l)	Total Discharge			Surcharge Discharge			
					Flow (gal)	BOD lbs	SS lbs	BOD (mg/l)	SS (mg/l)	BOD lbs	SS lbs
Jan	2000				0	0	0	0	0	0	0
Feb	2000				0	0	0	0	0	0	0
Mar	2000				0	0	0	0	0	0	0
Apr	2000				0	0	0	0	0	0	0
May	2000				0	0	0	0	0	0	0
Jun	2000				0	0	0	0	0	0	0
Jul	2000				0	0	0	0	0	0	0
Aug	2000				0	0	0	0	0	0	0
Sep	2000				0	0	0	0	0	0	0
Oct	2000				0	0	0	0	0	0	0
Nov	2000				0	0	0	0	0	0	0
Dec	2000				0	0	0	0	0	0	0
Month	Average	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	0	0	0
Year	Total	0			0	0	0			0	0
Day	Average	0			0	0	0			0	0

DAVENPORT GRAND TOTALS

Month	Year	Flow (100 ft3)	BOD (mg/l)	SS (mg/l)	Total Discharge			Surcharge Discharge			
					Flow (gal)	BOD lbs	SS lbs	BOD (mg/l)	SS (mg/l)	BOD lbs	SS lbs
Jan	2021	46,955			35,122,991	202,983	70,106			151,110	8,118
Feb	2021	47,443			35,487,399	188,633	55,069			134,320	4,536
Mar	2021	50,930			38,097,831	177,402	63,803			122,653	5,944
Apr	2021	55,006			41,144,701	283,521	72,442			220,970	4,900
May	2021	63,328			47,368,860	286,663	81,267			219,961	1,680
Jun	2021	85,029			47,094,590	314,547	72,123			247,592	6,505
Jul	2021	63,029			47,145,703	320,926	81,116			257,323	8,048
Aug	2021	63,051			47,160,925	351,357	85,651			286,015	6,877
Sep	2021	61,657			46,119,664	302,206	73,868			240,731	2,462
Oct	2021	57,987			43,374,552	226,686	55,073			168,901	739
Nov	2021	48,368			36,177,444	175,482	56,652			124,725	4,885
Dec	2021	53,599			40,092,615	206,607	90,409			150,268	21,388
Month	Average	58,032			42,032,273	253,084	71,465			193,714	6,340
Year	Total	696,382			504,387,275	3,037,012	857,580			2,324,569	76,082
Day	Average	1,908			1,381,883	8,321	2,350			6,369	208

*June-July, 2017= 5 month flow avg.

BETTENDORF GRAND TOTALS

Month	Year	Flow (100 ft3)	BOD (mg/l)	SS (mg/l)	Total Discharge			Surcharge Discharge			
					Flow (gal)	BOD lbs	SS lbs	BOD (mg/l)	SS (mg/l)	BOD lbs	SS lbs
Jan	2021	3,405			2,547,134	1,147	878			0	0
Feb	2021	3,042			2,275,903	3,409	1,399			0	0
Mar	2021	3,652			2,731,456	1,979	1,235			0	0
Apr	2021	1,811			1,354,545	771	1,466			0	0
May	2021	1,787			2,463,979	1,180	1,863			0	0
Jun	2021	896			670,529	1,625	1,388			0	0
Jul	2021	1,812			1,355,023	1,748	1,298			0	0
Aug	2021	1,650			1,234,277	1,498	1,510			0	0
Sep	2021	1,525			1,140,937	1,010	1,158			0	0
Oct	2021	1,495			1,118,813	744	1,138			0	0
Nov	2021	1,034			773,555	638	491			0	0
Dec	2021	934			699,286	529	270			0	0
Month	Average	1,920			1,530,453	1,357	1,174			0	0
Year	Total	23,043			18,365,437	16,278	14,094			0	0
Day	Average	63			50,316	45	39			0	0

BETTENDORF YEARLY TOTALS

INDUSTRY	Total Discharge						Surcharge Discharge			
	Flow (100 ft3)	Average BOD (mg/l)	Average SS (mg/l)	Flow (gal)	BOD lbs	SS lbs	Average BOD (mg/l)	Average SS (mg/l)	BOD lbs	SS lbs
ARCH MIRROR NORTH	0	0	0	0	0	0	0	0	0	0
DONAHUE STEEL	0	0	1	0	0	0	0	0	0	0
AMERICOLD	5,307	32	4	5,097,206	3,395	381	0	0	0	0
VACANT	0	#DIV/0!	#DIV/0!	0	0	0	0	0	0	0
PHILLIPS PIPELINE	0	0	0	0	0	0	0	0	0	0
HEARTLAND PLATING	0	0	0	0	0	0	0	0	0	0
TRINITY AT TERRACE PARK	8,888	171	142	6,649,394	8,463	7,032	0	0	0	0
SIVYER STEEL	8,848	59	100	6,618,837	4,420	6,681	0	0	0	0
TOTALS	23,043			18,365,437	16,278	14,094			0	0

For Percent Allocation: daily average 50,316 45 39
Arch Mirror, Americold, Heartland Plating, Trinity, and Sivyver Steel

BETTENDORF FLOW AND SURCHARGE REVENUE (dollars)

INDUSTRY	FLOW	BOD	SS	TOTAL
ARCH MIRROR NORTH	0	0	0	0
DONAHUE STEEL	0	0	0	0
AMERICOLD	8,916	0	0	8,916
VACANT	0	0	0	0
PHILLIPS PIPELINE	0	0	0	0
HEARTLAND PLATING	0	0	0	0
TRINITY AT TERRACE PARK	14,932	0	0	14,932
SIVYER STEEL	14,865	0	0	14,865
TOTALS	38,712	0	0	38,712
AVERAGE/MONTH	3,226	0	0	3,226

RIVERDALE INDUSTRIAL FLOWS AND LOADS

Used for Intergovernmental calculations

ARCONIC --formerly ALCOA

Month	Year	Flow (100 ft3)	BOD (mg/l)	SS (mg/l)	Total Discharge			Surcharge Discharge			
					Flow (gal)	BOD lbs	SS lbs	BOD (mg/l)	SS (mg/l)	BOD lbs	SS lbs
Jan	2021	2,773	33	49	2,073,860	575	848	0	0	0	0
Feb	2021	2,364	35	32	1,768,443	516	472	0	0	0	0
Mar	2021	2,761	34	54	2,065,412	579	922	0	0	0	0
Apr	2021	4,812	26	59	3,599,500	781	1,771	0	0	0	0
May	2021	5,643	38	76	4,221,060	1,324	2,658	0	0	0	0
Jun	2021	6,462	46	28	4,833,260	1,854	1,109	0	0	0	0
Jul	2021	4,480	34	24	3,350,760	936	665	0	0	0	0
Aug	2021	3,245	36	30	2,427,360	734	607	0	0	0	0
Sep	2021	3,955	48	75	2,958,380	1,184	1,844	0	0	0	0
Oct	2021	5,499	32	45	4,113,000	1,100	1,544	0	0	0	0
Nov	2021	5,180	31	66	3,874,410	1,002	2,125	0	0	0	0
Dec	2021	5,119	43	58	3,828,920	1,380	1,852	0	0	0	0
Month	Average	4,358	36	50	3,259,530	997	1,368	0	0	0	0
Year	Total	52,293			39,114,365	11,965	16,417			0	0
Day	Average	143			107,163	33	45			0	0

RIVERDALE GRAND TOTALS

Month	Year	Flow (100 ft3)	BOD (mg/l)	SS (mg/l)	Total Discharge			Surcharge Discharge			
					Flow (gal)	BOD lbs	SS lbs	BOD (mg/l)	SS (mg/l)	BOD lbs	SS lbs
Jan	2021	2,773	33	49	2,073,860	575	848	0	0	0	0
Feb	2021	2,364	35	32	1,768,443	516	472	0	0	0	0
Mar	2021	2,761	34	54	2,065,412	579	922	0	0	0	0
Apr	2021	4,812	26	59	3,599,500	781	1,771	0	0	0	0
May	2021	5,643	38	76	4,221,060	1,324	2,658	0	0	0	0
Jun	2021	6,462	46	28	4,833,260	1,854	1,109	0	0	0	0
Jul	2021	4,480	34	24	3,350,760	936	665	0	0	0	0
Aug	2021	3,245	36	30	2,427,360	734	607	0	0	0	0
Sep	2021	3,955	48	75	2,958,380	1,184	1,844	0	0	0	0
Oct	2021	5,499	32	45	4,113,000	1,100	1,544	0	0	0	0
Nov	2021	5,180	31	66	3,874,410	1,002	2,125	0	0	0	0
Dec	2021	5,119	43	58	3,828,920	1,380	1,852	0	0	0	0
Month	Average	4,358	67	98	3,259,530	997	1,368	0	0	0	0
Year	Total	52,293			39,114,365	11,965	16,417			0	0
Day	Average	143			107,163	33	45			0	0

RIVERDALE YEARLY TOTALS

INDUSTRY	Flow (100 ft3)	Average BOD (mg/l)	Average SS (mg/l)	Total Discharge			Surcharge Discharge			
				Flow (gal)	BOD lbs	SS lbs	Average BOD (mg/l)	Average SS (mg/l)	BOD lbs	SS lbs
ARCONIC --formerly ALCOA	52,293	36	50	39,114,365	11,965	16,417	0	0	0	0
TOTALS	52,293			39,114,365	11,965	16,417			0	0

For Percent Allocation: daily average

107,163 33 45

Comparison of Maximum Daily allocated permitted flows and loadings vs. Population Equivalent

INDUSTRY	Flow, MGD			BOD, lbs/day			TSS, lbs/day		
	Monthly Avg. (Allocated)	Population Equivalent	% of WPC Treatment @ 40 MGD	Monthly Avg. (Allocated)	Population Equivalent	% of WPC Treatment @ 40 MGD	Monthly Avg. (Allocated)	Population Equivalent	% of WPC Treatment @ 40 MGD
Davenport									
P B Leiner	1.200	12,000	3.00%	17,000	100,000	26.15%	8,400	36,522	12.50%
Kraft Heinz	0.900	9,000	2.25%	2,439	14,347	3.75%	2,927	12,726	4.36%
Nestle Purina	0.250	2,500	0.63%	3,040	17,882	4.68%	3,158	13,730	4.70%
Novelis ALR Aluminum 1	0.200	2,000	0.50%	300	1,765	0.46%	300	1,304	0.45%
Novelis ALR Aluminum 2	0.175	1,750	0.44%	365	2,147	0.56%	657	2,857	0.98%
John Deere (1)	0.340	3,400	0.85%	1,001	5,888	1.54%	1,001	4,352	1.49%
Genesis Health East (1)	0.144	1,440	0.36%	751	4,418	1.16%	901	3,917	1.34%
Genesis Health East (2)	0.019	190	0.05%	59	347	0.09%	95	413	0.14%
Sears Manufacturing (2)	0.178	1,780	0.45%	250	1,471	0.38%	300	1,304	0.45%
Genesis Health West	0.150	1,500	0.38%	376	2,212	0.58%	250	1,087	0.37%
Crescent Laundry	0.060	600	0.15%	125	735	0.19%	150	652	0.22%
Cobham Life Support	0.030	300	0.08%	125	735	0.19%	125	543	0.19%
Canadian Pacific Railroad	0.020	200	0.05%	35	206	0.05%	43	187	0.06%
LeClaire Manufacturing	0.000	0	0.00%	0	0	0.00%	0	0	0.00%
Isabel Bloom	0.0050	50	0.00%	3	18	0.00%	10	45	0.02%
Alter Trading Company	0.030	300	0.08%	NL	0	0.00%	NL	0	0.00%
AVG/Uticor Automation	0.0008	8	0.00%	NL	0	0.00%	NL	0	0.00%
Industrial Technology	0.0020	20	0.01%	NL	0	0.00%	NL	0	0.00%
River Cities Business Park	0.108	1,080	0.27%	293	1724	0.45%	405	1,761	0.60%
Total	3.812	38,118	9.52%	26,162	153,896	40.25%	18,722	81,401	27.86%
John Wulf's Septic Tank	0.005		0.00%	0		0.00%	0		0.00%
Quest Liner Tank Wash	0.0250	250	0.06%	375	2,206	0.58%	188	817	0.28%
Enviromark Corporation	0.030		0.00%	0		0.00%	0		0.00%
Seneca Companies	0.030		0.00%	0		0.00%	0		0.00%
Roto-Rooter	0.015		0.00%	0		0.00%	0		0.00%
B&B Drain Tech, Inc.	0.007		0.00%	0		0.00%	0		0.00%
Roger's MTW	0.005		0.00%	0		0.00%	0		0.00%
Scott Area Landfill	0.065		0.00%	0		0.00%	0		0.00%
Environmental Management	0.030		0.00%	0		0.00%	0		0.00%
Elite Trash Can Cleaning	0.000650		0.00%	0		0.00%	0		0.00%
First Class Power Washing	0.0008		0.00%	0		0.00%	0		0.00%
Waste Hauler Total	0.213	2,130	0.53%	375	2206	0.58%	188	817	0.28%
Bettendorf									
Trinity Medical Bett	0.060	600	0.15%	375	2,206	0.58%	225	978	0.33%
Sivyer Steel	0.075	750	0.19%	125	735	0.19%	225	978	0.33%
Americold (Vacant)									
Total	0.135	1350	0.003	500	2941	0.77%	450	1956	0.67%
Riverdale									
Arconic	0.255	2550	0.64%	531	3124	0.82%	637	2770	0.95%

Salaries	Employee	Hourly Rate	% associated with Industrial Pretreatment in 2021	annual base salary associated with Industrial pretreatment in 2021
	Victoria	\$36.0100	75	\$56,175.60
	Jane*	\$34.2860	50*	\$35,657.44
	Jessica*	\$31.0598	50*	\$32,302.19
	Martin*	\$27.4559	50*	\$28,554.14
	Jared*	\$32.6358	50*	\$33,941.23
	John	\$32.8736	100	\$68,377.09
*calculated as the average percent among the analyses				\$255,007.69

Analyses	Test	average #/month	cost/test 2021**	average cost/month 2021	% associated with Industrial Pretreatment	average monthly cost spent on Industrial samples
	pH	102	\$11	\$1,122.00	99.2397	\$1,113.47
	BOD	2652	\$39	\$103,428.00	58.0720	\$60,062.72
	TSS	435	\$28	\$12,180.00	31.4393	\$3,829.30
	TVSS	8	\$30	\$240.00	0.0000	\$0.00
	TS	48	\$28	\$1,344.00	0.0000	\$0.00
	TVS	17	\$30	\$510.00	0.0000	\$0.00
	NH3	36	\$28	\$1,008.00	0.0000	\$0.00
	Cyanide	55	\$55	\$3,025.00	87.6923	\$2,652.69
	Phenol	6	\$28	\$168.00	85.7143	\$144.00
	COD	87	\$28	\$2,436.00	99.4475	\$2,422.54
	O&G	69	\$110	\$7,590.00	91.3821	\$6,935.90
	VOA	63	\$28	\$1,764.00	0.0000	\$0.00
	Alkalinity	46	\$17	\$782.00	0.0000	\$0.00
	Metals	1277	\$30/analyte***	\$38,310.00	90.0000	\$34,479.00
	Nitrite	45	\$6	\$270.00	17.1429	\$46.29
	Nitrate	53	\$6	\$318.00	17.1429	\$54.51
	Total P as P	48	\$11	\$528.00	17.1429	\$90.51
	TKN	58	\$22	\$1,276.00	0.0000	\$0.00
Totals				\$176,299.00		\$111,830.94

**cost/test has been increased 10% for most analytes in 2021 to reflect inflation

***after evaluation of costs, it has been determined that \$40/test was a high estimate and prices have been adjusted to reflect this.

Yearly Cost spent on Industrial Pretreatment

\$1,341,971.30

Total (Including Salaries)

\$1,596,978.99