

# ITHACA AREA WASTEWATER TREATMENT FACILITY

TOWN OF ITHACA

CITY OF ITHACA

TOWN OF DRYDEN, OWNERS

525 THIRD STREET  
ITHACA, NEW YORK 14850  
(607) 273-8381

Special Joint Committee  
Wednesday, March 10, 2020 1:00pm

Join Zoom Meeting

<https://us02web.zoom.us/j/84972943614?pwd=WkVHaE5kNmpZODZzTUUpUR1oxbUhqQT09>

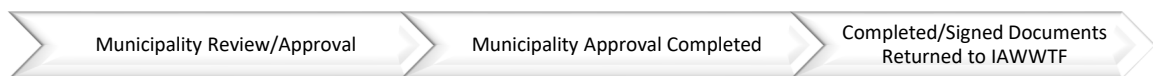
Meeting ID: 849 7294 3614 Password: 7XNNAr

One tap mobile +19292056099,,84972943614#,,,0#,,420117# US (New York)

- 1) Welcome
- 2) Agenda Review and Approval of Minutes
- 3) Financial Report – Steve Thayer City Controller
- 4) Operations and Engineering Report – *CJ Kilgore Chief Operator*
- 5) Discussion Items
  - a) Update on Flow Monitoring, discussion of data sharing parameters – *Chris Kianca*
  - b) Review items for maintenance and replacement evaluation and planning – *Scott Gibson*
  - c) Emergency Access Road – *Susan Brock*
  - d) Cayuga Heights’ request for Kline Road emergency flow use and pricing – *Bill Goodman*
- 6) Adjournment

*Upcoming Meeting Dates: April 14, May 12*

## Approval Status Dashboard



## City Harbor Agreements

City of Ithaca  
Town of Dryden  
Town of Ithaca

Out of consideration for the health of other individuals, please refrain from using perfume/cologne and other scented personal care products at City of Ithaca meetings.  
Thank you for your cooperation and understanding.

IAWWTF  
 Approved Budget and Actual Activity  
 As of February 28, 2021  
 3/5/2021

<b>Revenues:</b>							
<b>J8150</b>							
<u>Account #</u>	<u>Description</u>		<u>Budget</u>	<u>Actual</u>		<u>Excess or</u> <u>(Deficiency)</u>	<u>%</u> <u>Rec'd</u>
2373	Septage Service Other		\$ 495,000	\$ 19,697		\$ (475,303)	3.98%
2374	Sewer Service Other Govt's		\$ 3,225,999	\$ 790,459		\$ (2,435,540)	24.50%
2392	Debt Service Other Govt's		\$ 1,153,595	\$ -		\$ (1,153,595)	0.00%
2401	Interest & Earnings		\$ 1,800	\$ -		\$ (1,800)	0.00%
2665	Sale of Equipment		\$ 1,500	\$ -		\$ (1,500)	0.00%
2680	Insurance Recoveries		\$ -	\$ -		\$ -	
2701	Refund of Prior Year Expense		\$ -	\$ -		\$ -	
2705	Gifts and Donations		\$ -	\$ -		\$ -	
2770	Unclassified Revenue		\$ 1,000	\$ -		\$ (1,000)	0.00%
<b>Total Revenues as of 2/28/21</b>			<b>\$ 4,878,894</b>	<b>\$ 810,156</b>		<b>\$ (4,068,738)</b>	<b>16.61%</b>

IAWWTF  
Approved Budget and Actual Activity  
As of February 28, 2021  
3/5/2021

<b>Expenditures:</b>								
<b>J8150</b>							Available	%
Account #	Description		Budget	Actual			Balance	Used
	<u>Operations:</u>							
1920	Municipal Association Dues		\$ 1,119	\$ 1,086		\$ 33		97.05%
1990	Contingency Account		\$ 20,000	\$ -		\$ 20,000		0.00%
5105	Administration Salaries		\$ -	\$ -		\$ -		0.00%
5110	Staff Salaries		\$ 833,775	\$ 107,848		\$ 725,927		12.93%
5115	Hourly F/T		\$ 21,110	\$ 3,559		\$ 17,551		16.86%
5120	Hourly P/T		\$ 7,500	\$ 4,664		\$ 2,836		62.19%
5125	Overtime		\$ 22,000	\$ 3,421		\$ 18,579		15.55%
5210	Office Equipment		\$ -	\$ -		\$ -		0.00%
5215	Motor Vehicles		\$ -	\$ -		\$ -		0.00%
5225	Other Equipment		\$ -	\$ -		\$ -		0.00%
5405	Telephone		\$ 6,200	\$ 411		\$ 5,789		6.63%
5410	Utilities		\$ 280,000	\$ 41,801		\$ 238,199		14.93%
5415	Clothing		\$ 7,500	\$ 970		\$ 6,530		12.93%
5420	Gas & Oil		\$ 10,000	\$ -		\$ 10,000		0.00%
5425	Office Expense		\$ 2,000	\$ -		\$ 2,000		0.00%
5430	Fees		\$ 115,000	\$ 4,620		\$ 110,380		4.02%
5435	Contracts		\$ 160,000	\$ 15,402		\$ 144,598		9.63%
5436	Overhead Charge City General Fund		\$ 194,210	\$ -		\$ 194,210		0.00%
5440	Staff Development		\$ 20,000	\$ 461		\$ 19,539		2.31%
5450	Advertising		\$ 200	\$ -		\$ 200		0.00%
5455	Insurance		\$ 163,000	\$ 160,599		\$ 2,401		98.53%
5475	Property Maintenance		\$ -	\$ -		\$ -		0.00%
5476	Equipment Maintenance		\$ -	\$ -		\$ -		0.00%
5477	Equipment Parts		\$ 135,000	\$ 29,471		\$ 105,529		21.83%
5479	Vehicle Maintenance		\$ 2,000	\$ -		\$ 2,000		0.00%
5480	Building Maintenance Supplies		\$ 18,000	\$ 659		\$ 17,341		3.66%
5494	Safety Materials & Supplies		\$ 6,000	\$ 65		\$ 5,935		1.08%
5495	Treatment Supplies		\$ 550,000	\$ 51,456		\$ 498,544		9.36%
5496	Lab Supplies		\$ 84,000	\$ 4,329		\$ 79,671		5.15%
5499	Sludge Disposal Fees		\$ 450,000	\$ 27,553		\$ 422,447		6.12%
5700	Prior Year Encumbrances		\$ -	\$ -		\$ -		0.00%
5720	Prior Year Equipment		\$ -	\$ -		\$ -		0.00%
	Sub-Totals		\$ 3,108,614	\$ 458,375		\$ 2,650,239		14.75%
	<u>Benefits:</u>							
9010	State Retirement		\$ 133,110	\$ -		\$ 133,110		0.00%
9030	Social Security		\$ 67,655	\$ 9,141		\$ 58,514		13.51%
9040	Workers Compensation		\$ 25,800	\$ 3,426		\$ 22,374		13.28%
9050	Unemployment Insurance		\$ -	\$ -		\$ -		0.00%
9060	Health Insurance		\$ 384,420	\$ 70,827		\$ 313,593		18.42%
9070	Dental Insurance		\$ 3,500	\$ 878		\$ 2,622		25.09%
9080	Day Care Assistance		\$ 200	\$ -		\$ 200		0.00%
9089	Employee Tuition		\$ 2,000	\$ -		\$ 2,000		0.00%
	Sub-Totals		\$ 616,685	\$ 84,272		\$ 532,413		13.67%
	<u>Debt Service</u>							
9710	Serial Bonds		\$ 573,138	\$ 311,828		\$ 261,310		54.41%
9711	Interest on Serial Bonds		\$ 438,395	\$ 172,888		\$ 265,507		39.44%
9730	BANS		\$ 63,016	\$ 63,016		\$ -		0.00%
9731	Interest on BANS		\$ 79,046	\$ 78,371		\$ 675		99.15%
	Sub-Totals		\$ 1,153,595	\$ 626,103		\$ 527,492		54.27%
	<u>Interfund Transfers</u>							
9951	Transfer to Capital Reserves		\$ -	\$ -		\$ -		0.00%
	Sub-Totals		\$ -	\$ -		\$ -		0.00%
	<b>Total All Expenditures as of 2/28/21</b>		\$ 4,878,894	\$ 1,168,750		\$ 3,710,144		23.96%
	<b>Surplus(deficit) as of 2/28/21</b>		\$ -	\$ (358,594)		\$ (358,594)		
	*\$0 was appropriated from Fund Balance surplus for 2021							

**Operator and Engineer's Report  
SJC Meeting  
10 March 2021**

**1. Plant Maintenance & Operations**

**2. Facilities Maintenance & Operations**

- a. Grit removal and misc. improvements continuing
- b. Flow monitoring/ I and I project continuing

**3. Staff Management**

- a. WWTP Operator/Trainee Adam Bennett slated to start 22 March.
- b. WWTP Operator/Trainee Vacancy request approved.

**4. Reporting**

**5. Business, Long Term Development**

<b>Equipment</b>	<b>Usage(ft<sup>2</sup>) February</b>	<b>Usage(ft<sup>2</sup>) January</b>	<b>Usage(ft<sup>2</sup>) December</b>	<b>Usage(ft<sup>2</sup>) October</b>	<b>Usage(ft<sup>2</sup>) September</b>	<b>Usage(ft<sup>2</sup>) August</b>	<b>Usage(ft<sup>2</sup>) July</b>
<b>Micro-turbines</b>	2,423,000	2,382,000	2,928,000	2,609,000	2,073,000	2,158,000	2,033,000
<b>Boilers</b>	20,000	20,000	0	13,000	12,000	0	108,000
<b>Waste Flare</b>	1,000	0	0	7,000	28,000	0	20,000
<b>Total Biogas Produced</b>	2,444,000	2,402,000	2,928,000	2,629,000	2,113,000	2,158,000	2,161,000

DIVISION OF WATER

**WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF January, 2021**

SPDES PERMIT NO. <b>NY 0026638</b>			FACILITY NAME Ithaca Area Wastewater Treatment Facility					FACILITY OWNER Ithaca (C) Ithaca (T) Dryden (T)				FACILITY IAWWTF						
Day	Date	Daily Precip in/day	VOLUME OF SEWAGE TREATED			TEMPERATURE (F)		pH (s.u.)				SETTLABLE SOLIDS (ml/l)		B.O.D.5 (mg/l)		SUSPENDED SOLIDS (mg/l)		
			Inst.Max. MGD	Daily Average MGD	Inst.Min. MGD	Influent (2)	Effluent (2)	Influent Minimum	Influent Maximum	Effluent Minimum	Effluent Maximum	Influent Maximum	Effluent Maximum	Influent Type	Effluent Type	Influent Type	Effluent Type	
Fri	01	0.00	8.80	6.09	3.00	56	53	7.6	7.6	7.7	7.8	15.8	<0.10					
Sat	02	0.47	9.00	6.525	4.00	54	53	7.5	7.6	7.5	7.7	3.7	<0.10					
Sun	03		7.80	6.31	3.90	56	53	7.5	7.6	7.5	7.6	2.2	<0.10					
Mon	04	0.14	9.20	6.29	4.00	56	53	7.6	8.0	7.6	7.7	5.2	<0.10	108	4	79	4	
Tue	05		8.50	6.01	3.50	56	53	7.6	7.7	7.5	7.5	5.2	<0.10	142	38	105	4	
Wed	06		8.60	5.75	3.80	55	53	7.5	7.7	7.5	7.9	4.5	<0.10					
Thu	07		8.50	5.275	3.00	55	53	7.6	7.6	7.5	7.8	4.9	<0.10					
Fri	08	0.00	8.80	5.192	2.60	53	53	7.5	8.1	7.6	7.6	13.9	<0.10					
Sat	09	0.00	7.45	5.212	2.50	52	52	7.6	7.7	7.5	7.7	3.2	<0.10					
Sun	10	0.00	7.00	4.328	2.40	55	53	7.6	7.6	7.5	7.6	4.9	<0.10					
Mon	11	0.00	7.00	4.650	2.50	54	53	7.6	7.8	7.7	7.8	18.5	<0.10	161	7			
Tue	12	0.00	7.10	4.631	1.90	55	53	7.6	7.7	7.5	7.7	9.0	<0.10	160	8	254	5	
Wed	13	0.00	8.00	4.670	1.20	54	53	7.7	8.2	7.5	7.6	9.0	<0.10			143	5	
Thu	14	0.00	7.40	4.480	1.90	56	53	7.6	7.7	7.6	7.6	10.7	<0.10					
Fri	15	0.00	7.00	5.011	3.50	55	53	7.7	7.8	7.5	7.6	6.7	<0.10					
Sat	16	0.45	8.00	5.533	2.60	54	53	7.6	7.7	7.5	7.6	4.0	<0.10					
Sun	17		7.40	5.087	2.50	55	52	7.6	7.6	7.5	7.5	4.1	<0.10					
Mon	18	0.04	7.90	5.175	2.30	55	52	7.7	7.8	7.6	7.7	5.3	<0.10					
Tue	19	0.04	8.10	5.035	2.30	56	52	6.8	8.5	7.5	7.5	23.9	<0.10	173	10			
Wed	20	0.08	7.50	4.860	2.50	57	53	7.6	7.7	7.5	7.6	6.2	<0.10	211	9	160	5	
Thu	21	0.01	8.00	4.929	2.10	53	52	7.7	8.1	7.5	7.6	5.4	<0.10			256	4	
Fri	22	0.05	8.10	4.695	2.00	54	53	7.6	7.7	7.6	7.6	6.2	<0.10					
Sat	23	0.02	7.30	5.135	2.50	52	53	7.7	7.8	7.5	7.6	6.7	<0.10					
Sun	24	0.03		4.42		50	51	7.7	7.8	7.4	7.5	5.0	<0.10					
Mon	25	0.00	7.50	4.622	1.60	53	51	7.7	7.7	7.5	7.6	9.5	<0.10	211	10	174	6	
Tue	26	0.00	7.60	4.399	2.00	53	52	7.7	7.8	7.5	7.6	6.7	<0.10	274	9	233	5	
Wed	27	0.26	7.50	4.466	2.00	53	53	7.6	7.7	7.5	7.6	28.3	<0.10					
Thu	28	0.10	7.50	4.271	2.00	53	53	7.6	7.9	7.6	7.7	35.0	<0.10					
Fri	29	0.08	6.90	4.250	2.00	51	52	7.7	7.8	7.6	7.8	8.3	<0.10					
Sat	30	0.07	6.60	4.339	2.00	49	52	7.7	7.9	7.7	7.8	5.8	<0.10					
Sun	31		6.50	4.490	2.20	51	52	7.7	7.8	7.6	7.7	7.1	<0.10					
		<b>Total Precip</b> 1.84	<b>Monthly</b> 5.036		<b>Monthly Average</b> Influent 54 Effluent 53		<b>Monthly</b> Minimum 6.8 Maximum 8.5 Minimum 7.4 Maximum 7.9				<b>Monthly</b> Maximum 35.0	<b>Monthly</b> Maximum <0.10	<b>30 day arithmetic mean (1)</b> Inf.(mg/l) 180 Eff.(mg/l) 12		<b>30 day arithmetic mean (1)</b> Inf.(mg/l) 176 Eff.(mg/l) 5			
			<b>Monthly Total</b> 156.127										<b>30 Day Avg</b> Quantity Loading (1) 7,401 lbs/day		<b>524</b> lbs/day		<b>7,131</b> lbs/day	

(1) Refer to January 1994 edition of *Dmr Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES)* for procedures to calculate loadings, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

(2) If temperature is measured more than once a day, report the average for the day.

NOTE: Refer to current SPDES permit for specific monitoring requirements. Sample type for temperature, pH and settleable solids is grab

FACILITY MAILING ADDRESS (Street, City, State, Zip Code)					TELEPHONE NUMBER		CHIEF OPERATOR'S NAME		CERTIFICATION GRADE
525 Third Street, Ithaca N.Y. 14850					(607) 273-8381		CJ Kilgore		4 - A
Day	Date	TOTAL PHOSPHORUS(mg/l)		PHOS	CHLORINE RESIDUAL		FECAL COLIFORM	REMARKS Enter any other comments, observations, operating problems, equipment failure, etc.	
		Influent Type	Effluent Type	TMRA Eff	Effluent mg/l	Pre-SO2	Post SO2		
Fri	01				0.74	0.010			
Sat	02				0.57	0.003			
Sun	03				0.62	0.040			
Mon	04	2.49	0.06		0.54	0.080	6		
Tue	05	2.40	0.06		0.58	0.087	3		
Wed	06				0.50	0.077			
Thu	07				0.42	0.000			
Fri	08				0.56	0.033			
Sat	09				0.60	0.000			
Sun	10				0.70	0.050			
Mon	11	4.69	0.09		0.78	0.057	9		
Tue	12	3.10	0.06		0.48	0.023	1		
Wed	13				0.61	0.040			
Thu	14				0.76	0.033			
Fri	15				0.50	0.030			
Sat	16				0.63	0.000			
Sun	17				0.64	0.023			
Mon	18				0.63	0.000			
Tue	19	4.02	0.13		0.53	0.047	4		
Wed	20	4.00	0.11		0.39	0.003	9		
Thu	21				0.35	0.017			
Fri	22				0.36	0.030			
Sat	23				0.52	0.002			
Sun	24				0.60	0.067			
Mon	25	4.00	0.16		0.64	0.037	3		
Tue	26	5.60	0.15		0.28	0.003	16		
Wed	27				0.49	0.030			
Thu	28				0.44	0.030			
Fri	29				0.35	0.023			
Sat	30				0.73	0.007			
Sun	31				0.72	0.043			
		30 day arithmetic mean (1)		TMRA	Monthly		30 Day Geo. Mean (1)		
		Influent(mg/l)	Effluent(mg/l)	Eff	Minimum(1)	Maximum(1)			
		3.79	0.10		0.28	0.087	5		
		155.39	4.19	11.81					
		lbs/day	lbs/day	lbs/day					

(1) Refer to January 1994 edition of Dmr Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES) for procedures to calculate loadings, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

NOTE: Refer to current SPDES permit for specific monitoring requirements. Sample type for chlorine residual and fecal coliform is grab.

		NON-CONVENTIONAL POLLUTANTS NY0026638																		
		SEMI-VOLATILE ORGANICS										METALS								
		TKN mg/l	TKN mg/l	AMM mg/l	AMM mg/l	TRI ug/l	TETRA ug/l	CHLORO ug/l	1,2 TRANS ug/l	METH ug/l	PHTHAL ug/l	Ca mg/l	Ca mg/l	Cu mg/l	Cu mg/l	Pb mg/l	Ni mg/l	Ag mg/l	Zn mg/l	
Day	Date	Sample Influent	Type Effluent	Sample Influent	Type Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Influent	Sample Effluent	Sample Influent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	
Fri	01																			
Sat	02																			
Sun	03																			
Mon	04																			
Tue	05																			
Wed	06																			
Thu	07																			
Fri	08																			
Sat	09																			
Sun	10																			
Mon	11																			
Tue	12	23.6	18.4	22.2	38.6	<1.0	<1.0	3.4	<1.0	<5.0	<1.0	<0.020	<0.020	0.100	0.049	<0.020	<0.020	<0.020	0.023	
Wed	13																			
Thu	14																			
Fri	15																			
Sat	16																			
Sun	17																			
Mon	18																			
Tue	19																			
Wed	20																			
Thu	21																			
Fri	22																			
Sat	23																			
Sun	24																			
Mon	25																			
Tue	26																			
Wed	27																			
Thu	28																			
Fri	29																			
Sat	30																			
Sun	31																			
30 day arithmetic mean (1)		23.60 mg/l	18.40 mg/l	22.20 mg/l	38.60 mg/l	<1.0 ug/l	<1.0 ug/l	3.4 ug/l	<1.0 ug/l	<5.0 ug/l	<1.0 ug/l	<0.020 mg/l	<0.020 mg/l	0.100 mg/l	0.049 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	0.023 mg/l	
30 Day Aver. Quantity Loading (1)		911.5 lbs/day	710.7 lbs/day	857.4 lbs/day	1,490.8 lbs/day	<0.039 lbs/day	<0.039 lbs/day	0.131 lbs/day	<0.039 lbs/day	<0.193 lbs/day	<0.04 lbs/day	<0.77 lbs/day	<0.77 lbs/day	3.86 lbs/day	1.89 lbs/day	<0.77 lbs/day	<0.77 lbs/day	<0.77 lbs/day	0.89 lbs/day	

(1) Refer to January 1994 edition of DMR Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES) for procedures to calculate loading, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

**Effect on Receiving Stream**

NAME OF RECEIVING STREAM			
DATE	STATION	PARAMETER	RESULT

Name and amount of chemicals used in treatment

- Process during month:
- a. Sodium Hypochlorite 2,819 gal.
  - b. Sulfur Dioxide 852 lbs.
  - c. Ferrous Chloride 1,441 gal.
  - d. Polymer (Pressing) lbs.
  - e. Ferric Chloride 8,128 gal.
  - f. Polymer (Actiflo) gal.
- Amount of electrical power consumed:
- a. Commercial 306,000 kw.hrs.
  - b. Stand-by kw.hrs.
- Amount of fuel consumed:
- a. Natural gas 1,733,500 cubic ft.
  - b. Oil gallons
  - c. Gasoline gallons
  - d. Coal tons
  - e. Digester Gas 2,443,000 cubic ft.
  - f. Propane gallons

Sludge removal from plant:

- a. Amount 75.6 Dry Tons
- b. Solid Content 21.4 %
- c. Volatile Solids Content 60.0 %
- d. Disposal site :  
Seneca Meadows Landfill, Waterloo, NY, 13165  
Ontario Cty. Landfill, Stanley, NY, 14561

Other Solid Wastes:

- a. Screenings YARDS
- b. Grit Combined amt. with screenings
- c. Ashes tons
- d. \_\_\_\_\_
- e. \_\_\_\_\_
- f. \_\_\_\_\_

- g. Disposal Site:  
Seneca Meadows Landfill, Waterloo, NY 13165  
Ontario Cty. Landfill, Stanley, NY, 14561  
Chemung Cty. Landfill, Lowman, NY, 14861

Digester Gas Wasted 1,000 cubic feet

Labor expended:

POSITION NAME	NUMBER FULL TIME	NUMBER PART TIME	TOTAL HOURS
Chief Operator	1	0	168.0
Assistant Chief Operator	0	0	
Operator	5	0	848.0
Operator-Trainee	3	0	672.0
Laboratory Director	1	0	168.0
Laboratory Technician	1	0	168.0
Administrative Assistant	1	0	168.0
Interns	0	0	
Maintenance Worker	1		84

TRUCKED WASTE RECEIVED THIS MONTH		
1. Septage, holding tank waste and portable toilet waste		
	Total	Max day
Volume (gallons)	232,600	
2. All other wastes		
	Total	Max day
Volume (gallons)	1,295,242	
3. Number of Part 364 haulers currently approved to transport wastes to this POTW		
a. Septage, etc.	13	
b. All others	3	

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Signature of Chief Operator or Designated Facility Representative  Chief Operator 26 FEB 2021



Permitted Capacity and Excess Capacity Allocations  
 5 Year Average 2015-2020  
 Distributed Excess Capacity (MGD)

Plant Contributor IAWWTP	Approx. Plant Usage*	Peak Flow Estimate	Approx. Plant Ownership	Permitted Capacity	Excess Capacity
City of Ithaca	58.110%	4.658	57.14%	7.485	2.827
Town of Ithaca	39.901%	3.198	40.88%	5.355	2.157
Town of Dryden	1.989%	<u>0.159</u>	<u>1.98%</u>	<u>0.259</u>	<u>0.100</u>
		8.016	100.00%	13.100	5.084

Check: 8.016 + 5.084 = 13.10 O.K.

Notes:

- 1) Approximate Plant Usage is calculated based on 5 year average of gallons of potable water sold to each partner divided by 5 year average of total potable water sold.
- \* 1a) Town of Ithaca usage for the period of 2015-2017 includes areas of the Town and Cayuga Heights which do not flow to the IAWWTF. Consumption numbers were corrected for 2017-2020.
- 2) It is assumed that plant billings for operational expenses are derived from figures for plant usage and that usage is proportional to gallons of potable water sold.
- 3) Peak Flow Estimates are based on 5 years of plant usage estimates and SPEDES reporting data, which determines the total peak flow of 8.016. The peak flow is the average of the peak month flow for each of the last five years. In this case, the years 2015 to 2020 produced a peak flow of 8.016 MGD.
- 4) As per the Agreement, "A party is deemed to have Excess Capacity if its allocation of Permitted Capacity exceeds One Hundred and Ten percent of its maximum monthly average flow over the previous five (5) years. Notwithstanding the foregoing, no Party shall be deemed to have Excess Capacity if its maximum monthly average flow over the previous five-year period is within Two Hundred Thousand (200,000) gallons of its allocation of Permitted Capacity." Due to the Town of Dryden's Permitted Capacity of 259,000 gallons per day, Dryden does not have Excess Capacity.

			annual daily ave 6.361 MGD					
			instant max MGD			daily ave MGD		
Date	Inst Max MGD	Daily Ave MGD	13.1	MGD	Instant max frequency 2018	13.1	MGD	2018 Frequency Daily Ave
1/11/2018	19.70	6.57	100%-125%	13.1-16.4	15	>=70%	>=9.17	6
1/12/2018	18.00	10.954	125%-150%	16.4-19.6	4	70%-80%	9.17-10.48	8
1/22/2018	13.90	11.098	150%-175%	19.7-22.9	1	80%-90%	10.48-11.79	6
1/23/2018	17.10	11.808	175%-200%	22.9-26.2	2	90%-100%	11.79-13.1	3
3/2/2018	14.00	10.736	200%-225%	26.3-29.5	0	100%-110%	13.1-14.41	
3/29/2018	15.70	9.942	225%-250%	29.5-32.8	1	110%-120%	14.41-15.72	
3/30/2018	15.00	10.62	250%-275%	32.8-36.0	0	120%-130%	15.72-17.03	
4/16/2018	14.20	9.207	total events			23		
5/22/2018	32.00	10.346						
7/25/2018	18.00	10.307	17.09 = 2018 average inst max flow			11.98 = ave of 3 daily instances >90% of 13.1		
8/8/2018	16.00	8.671						
8/13/2018	14.00	7.695						
9/10/2018	15.00	9.463						
9/17/2018	15.50	8.462						
9/25/2018	13.50	8.355						
10/2/2018	14.50	8.585						
10/4/2018	24.50	10.46						
10/27/2018	14.70	9.544						
10/28/2018	17.80	9.337						
11/26/2018	15.70	11.845						
11/27/2018	15.50	10.611						
12/21/2018	23.50	12.285						
12/22/2018	15.20	11.098						

			annual daily ave 6.361 MGD					
			instant max MGD			daily ave MGD		
Date	Inst Max MGD	Daily Ave MGD	13.1	MGD	Instant max frequency 2019	13.1	MGD	2019 Frequency Daily Ave
1/24/2019	17.20	11.41	100%-125%	13.1-16.4	13	>=70%	>=9.17	6
1/25/2019	14.80	8.991	125%-150%	16.4-19.6	4	70%-80%	9.17-10.48	3
1/28/2019	18.50	7.542	150%-175%	19.7-22.9	1	80%-90%	10.48-11.79	7
2/4/2019	15.50	12.29	175%-200%	22.9-26.2	1	90%-100%	11.79-13.1	4
2/5/2019	16.00	12.18	200%-225%	26.3-29.5	1	100%-110%	13.1-14.41	
2/6/2019	15.10	11.65	225%-250%	29.5-32.8	0	110%-120%	14.41-15.72	
2/7/2019	14.60	11.686	250%-275%	32.8-36.0	0	120%-130%	15.72-17.03	
2/8/2019	15.00	10.608						
4/19/2019	19.50	9.693						
5/13/2019	21.10	12.394				20		
5/14/2019	15.50	11.122	16.98 = 2019 average inst max flow			12.48 = ave of 4 daily instances >90% of 13.1		
5/15/2019	13.50	9.781						
6/19/2019	15.60	6.104						
6/20/2019	24.30	13.059						
6/21/2019	15.30	10.606						
7/6/2019	16.80	7.08						
8/15/2019	13.10	6.32						
10/16/2019	14.60	7.993						
10/31/2019	29.00	11.464						
11/1/2019	14.50	10.02						

				annual daily ave 6.361 MGD					
Monthly Daily				instant max MGD			daily ave MGD		
Date	Inst Max MGD	Daily Ave MGD	Ave	13.1	MGD	Instant Max Frequency 2020	13.1	MGD	2020 Frequency Daily Ave
1/25/2020	19.00	13.935		100%-125%	13.1-16.4	8	>=70%	>=9.17	5
1/26/2020	13.40	9.251		125%-150%	16.4-19.6	2	70%-80%	9.17-10.48	4
2/14/2020	14.30	7.975		150%-175%	19.7-22.9	3	80%-90%	10.48-11.79	2
2/26/2020	14.70	9.988	7.648	175%-200%	22.9-26.2	1	90%-100%	11.79-13.1	0
2/27/2020	14.80	10.16		200%-225%	26.3-29.5	1	100%-110%	13.1-14.41	2
4/26/2020	17.70	11.114	6.368	225%-250%	29.5-32.8	1	110%-120%	14.41-15.72	2
4/27/2020	14.40	10.024		250%-275%	32.8-36.0	0	120%-130%	15.72-17.03	1
4/30/2020	28.50	15.619		total events		16			16
5/1/2020	21.60	14.69							
5/2/2020	13.90	11.346							
6/27/2020	14.90	5.638		18.93 = 2020 average inst max flow			15.26 = ave of 5 daily instances >90% of 13.1		
7/11/2020	25.30	7.053							
8/27/2020	21.20	7.56							
12/24/2020	32.00	17.91	5.748						
12/25/2020	22.50	14.14							
12/30/2020	14.60	5.832							