

November 30, 2022

TO: Treatment Plant Advisory Committee

SJ: Tributary Agencies Estimated Available Plant Capacity - 2022

The Master Agreements require that the Treatment Plant Advisory Committee file annually with the legislative bodies of San Jose, Santa Clara and member agencies a report on plant capacity. The attached report, Tributary Agencies Estimated Available Plant Capacity - 2022, has been prepared to satisfy this requirement and to identify each agency's 2022 plant capacity as well as estimated available (unused) capacity.

Sincerely,



Kerrie Romanow  
Director  
Environmental Services Department

Attachment

**CITY OF SAN JOSE  
ENVIRONMENTAL SERVICES DEPARTMENT**

**SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY**

**TRIBUTARY AGENCIES' ESTIMATED AVAILABLE PLANT CAPACITY - 2022**

**November 2022**

**CITY OF SAN JOSE  
ENVIRONMENTAL SERVICES DEPARTMENT  
SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY**

**TRIBUTARY AGENCIES' ESTIMATED AVAILABLE PLANT CAPACITY - 2022**

This analysis was prepared to comply with the terms of the Master Agreements which require that the operational capacity and productive use of the treatment plant be determined annually. Tables I through IV contain the Plant Capacity, the 2022 Peak Week (5-day average) Flow, and the Remaining Available Capacity for the entire plant and for each individual member for 2022.

**2022 PLANT CAPACITY**

The nominal capacity of the treatment plant during the 2022 peak week is 167 MGD. The agencies' capacity rights in the 167 MGD plant are shown on Tables I through IV and were determined in accordance with the provisions of the Master Agreements.

**2022 PEAK WEEK FLOW (1)**

The 2022 peak dry weather flow of 92.08 MGD occurred during the week of July 18 - 22. Tables I through IV contain the agencies' flow and loadings for the 2022 peak week which were obtained from the following sources:

- WEST VALLEY SANITATION DISTRICT - Wastewater Flow Report dated 7/29/22, submitted by the District.
- CUPERTINO SANITARY DISTRICT - Metered Flow Reports dated 11/23/22, submitted by the District.
- CITY OF MILPITAS - Metered Flow Reports dated 11/29/22, submitted by the City
- COUNTY SANITATION DISTRICT 2-3 - 2022-2023 Revenue Program.
- BURBANK SANITARY DISTRICT - 2022-2023 Revenue Program.
- CITY of SAN JOSE and CITY of SANTA CLARA - The 2022 Peak Week flow and loadings remaining after subtracting the other agencies' reported flows and loadings are attributed to San Jose and Santa Clara as joint owners of the facilities. These were allocated, in accordance with the 1959 Agreement, to the two cities based on current assessed valuation ratios of 80.534% for San Jose and 19.466% for Santa Clara.

**2022 ESTIMATED AVAILABLE CAPACITY**

The Agencies' peak week flows and loadings were subtracted from their capacities in the 167 MGD plant to obtain their 2022 available capacities.

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*(1) Past reporting has been based on different sources of information between the agencies. A new policy will be put in place that will standardize the source of information and methodology for future reporting purposes to comply with the Master Agreement requirement to report actual discharge.*

TABLE I

**CITY OF SAN JOSE  
ENVIRONMENTAL SERVICES DEPARTMENT  
SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY  
TRIBUTARY AGENCIES' ESTIMATED AVAILABLE PLANT CAPACITY - 2022**

**FLOW**

Agency		2022 Plant Capacity MGD	2022 Peak Week Flow MGD	Estimated Available Capacity MGD (*)
San Jose	80.534%	106.142	56.145	49.997
Santa Clara	19.466%	25.656	13.571	12.085
Subtotal	100.000%	131.798	69.716	62.082
West Valley Sanitation District	(1) (3)	11.697	9.678	2.019
Cupertino Sanitary District	(4)	7.850	4.135	3.715
City of Milpitas	(3) (4)	14.250	7.310	6.940
County Sanitation District 2-3	(2)	1.005	1.005	0.000
Burbank Sanitary District		0.400	0.236	0.164
Subtotal		35.202	22.364	12.838
<b>Total</b>		<b>167.000</b>	<b>92.080</b>	<b>74.920</b>

(1) Reflects transfer of capacity from West Valley Sanitation District to San Jose/Santa Clara resulting from annexations as of June 2022.

(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.

(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.

(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.

(\*) Past reporting has been based on different sources of information between the agencies. A new policy will be put in place that will standardize the source of information and methodology for future reporting purposes to comply with the Master Agreement requirement to report actual discharge.



TABLE II

**CITY OF SAN JOSE**  
**ENVIRONMENTAL SERVICES DEPARTMENT**  
**SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY**  
**TRIBUTARY AGENCIES' ESTIMATED AVAILABLE PLANT CAPACITY - 2022**

**BOD**

Agency		2022 Plant Capacity KLBS/D	2022 Peak Week Flow KLBS/D	Estimated Available Capacity KLBS/D (*)
San Jose	80.534%	375.159	176.408	198.751
Santa Clara	19.466%	90.680	42.640	48.040
Subtotal	100.000%	465.839	219.048	246.791
West Valley Sanitation District	(1) (3)	28.611	20.629	7.982
Cupertino Sanitary District	(4)	16.419	10.975	5.444
City of Milpitas	(3) (4)	27.249	17.079	10.170
County Sanitation District 2-3	(2)	2.067	2.067	.000
Burbank Sanitary District		.815	.482	.333
Subtotal		75.161	51.232	23.929
<b>Total</b>		<b>541.000</b>	<b>270.280</b>	<b>270.720</b>

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(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.

(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.

(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.

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TABLE III

**CITY OF SAN JOSE  
ENVIRONMENTAL SERVICES DEPARTMENT  
SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY  
TRIBUTARY AGENCIES' ESTIMATED AVAILABLE PLANT CAPACITY - 2022**

**SUSPENDED SOLIDS**

Agency		2022 Plant Capacity KLBS/D	2022 Peak Week Flow KLBS/D	Estimated Available Capacity KLBS/D (*)
San Jose	80.534%	333.130	230.169	102.961
Santa Clara	19.466%	80.521	55.634	24.887
Subtotal	100.000%	413.651	285.803	127.848
West Valley Sanitation District	(1) (3)	27.173	18.596	8.577
Cupertino Sanitary District	(4)	16.299	8.719	7.580
City of Milpitas	(3) (4)	25.990	13.114	12.876
County Sanitation District 2-3	(2)	2.034	2.034	.000
Burbank Sanitary District		.853	.474	.379
Subtotal		72.349	42.937	29.412
<b>Total</b>		<b>486.000</b>	<b>328.740</b>	<b>157.260</b>

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(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.

(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.

(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.

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TABLE IV

CITY OF SAN JOSE				
ENVIRONMENTAL SERVICES DEPARTMENT				
SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY				
TRIBUTARY AGENCIES' ESTIMATED AVAILABLE PLANT CAPACITY - 2022				
AMMONIA				
Agency		2022 Plant Capacity KLBS/D	2022 Peak Week Flow KLBS/D	Estimated Available Capacity KLBS/D (*)
San Jose	80.534%	33.077	18.161	14.916
Santa Clara	19.466%	7.995	4.390	3.605
Subtotal	100.000%	41.072	22.551	18.521
West Valley Sanitation District	(1) (3)	2.825	2.426	.399
Cupertino Sanitary District	(4)	2.287	.994	1.293
City of Milpitas	(3) (4)	2.847	1.741	1.106
County Sanitation District 2-3	(2)	.272	.272	.000
Burbank Sanitary District		.297	.066	.231
Subtotal		8.528	5.499	3.029
<b>Total</b>		<b>49.600</b>	<b>28.050</b>	<b>21.550</b>
<p>(1) Reflects transfer of capacity from West Valley Sanitation District to San Jose/Santa Clara resulting from annexations as of June 2022.</p> <p>(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.</p> <p>(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.</p> <p>(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.</p>				

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