

From: "Jason Parker" <jparker@ttsa.net>
 Subject: **RE: System capacity question**
 Date: January 19, 2010 2:31:31 PM PST
 To: <tburwell@haugebrueck.com>
 Cc: "Tom Rinne" <trinne@ttsa.net>, "Marcia A. Beals" <mbeals@ttsa.net>
 1 Attachment, 259 KB

Trevor:

Please see our responses (in red) to your questions below. If you have any follow-up questions, please let us know.

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From: Trevor Burwell [mailto:tburwell@haugebrueck.com]
Sent: Tuesday, January 19, 2010 12:04 PM
To: trinne@ttsa.net
Subject: System capacity question

Tom, thank you for your help today. Hauge Brueck Associates is assisting the TRPA in conducting the environmental review for the Homewood Mountain Resort Master Plan and have the following questions about the current TTSA treatment system capacity

The existing treatment capacity at the Water Reclamation Plant in Martis Valley is 9.6 mgd on a 7-day dry weather average flow basis. What is the current average treatment rate, expressed in terms of mgd or the percentage of that capacity currently being used? **Current capacity being used is 80 percent.**

What is the existing capacity of the Truckee River Interceptor, and what is the current excess capacity of the pipeline to carry wastewater flow from new projects (this can also be expressed as a percentage of in mgd or other units)? **Design capacity at upstream end is 6 mgd. Current excess capacity is 20 percent.**

The attached table provides a summary of the components of proposed Master Plan components, such as number of condo units, hotel rooms, and new commercial/retail space. For planning and environmental review purposes, please provide the factors or assumptions that the TTSA would normally use for estimating wastewater flow quantities from a project such as this. **Please see the attached table for connection fee factors (also available at www.ttsa.net). To obtain estimated flowrates for each type of connection, divide the "fee per unit" cost shown on the table by \$5,000 per unit and multiply by 220 gallons per unit. For example, to estimate the flow basis for a single "Hotel Unit", one would divide \$2,500 by \$5,000 and multiple by 220 gallons per unit to obtain 110 gallons per unit.**

Thanks you for your assistance, Trevor

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Page 1 of 1



HOME SERVICES CAREERS SSMP

CONNECTION FEES

TYPE OF CONNECTION	UNITS	PER UNIT
Residential	Living Units	\$5,000
Residential (Non-taxed)	Living Units	5,000
Guest House	Living Units	1,500
Motel Without Kitchen or Hotel Unit	Living Units	2,500
Motel With Kitchen	Living Units	3,300
Campsite With Sewer Connection	# of Sites	2,500
Campsite Without Sewer Connection	# of Sites	1,875
Restaurants & Bars	# of Seats	500
Outside/Barquet Seats	# of Seats	175
Skii Clubs*	# of Plumbing Fixture Units	500
Snack Bars*	# of Plumbing Fixture Units	500
Laundries	# of 10# Machines	2,500
(20# - 50# Machines, 2 x Charge for 10# Machine)		5,000
Theatres	# of Seats	50
Barber Shops	# of Service Chairs	1,500
Markets*	# of Plumbing Fixture Units	750
Churches	# of Seats	50
Beauty Shops	# of Service Chairs	2,500
Other Businesses*	# of Plumbing Fixture Units	500
Other Businesses (Non-Taxed)*	# of Plumbing Fixture Units	500
Other	As May be determined	



SUMMARY OF PLUMBING FIXTURE UNITS	PRIVATE USE	PUBLIC USE
Bar Sink	1	2
Bathtub (with or without shower over)	2	4
Clothes washer	2	4

Dental Unit or Cuspidor	1	1
Drinking Fountain (each head)	1	1
Floor Drains(each)	1	2
Floor Sink(each)	1	2
Flushing Rim Sink(i.e. clinic)	10	10
Garbage Disposal With Sink	3	4
Hot Tub(each)	2	4
Kitchen Sink	2	4
Lavatory	1	2
Laundry Tub (each pair faucets)	2	4
Shower (each head)	2	4
Sink or Dishwasher	2	4
Sink (Washup, each set faucets)	2	2
Sink (Washup, circular spray)	4	4
Toilet	3	5
Urinal	3	5