

User Input

TOWN OF FRISCO	1. Enter Current Year	2023 year									
	2. Is Population Known for Current Year?	<input type="checkbox"/> Yes If yes, enter here 5,000 persons									
	3. Forecasted Town EQRs to Buildout	<table border="0" style="width: 100%;"> <tr> <td style="padding: 2px 10px 2px 20px;">Single Family</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1,500 units</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.00 EQR/tap</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Multi Family</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1,000 units</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.00 EQR/tap</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Affordable / Deed Restricted</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">200 units</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.00 EQR/tap</td> </tr> </table>	Single Family	1,500 units	1.00 EQR/tap	Multi Family	1,000 units	1.00 EQR/tap	Affordable / Deed Restricted	200 units	1.00 EQR/tap
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	4. EQR Density	Frisco Planning 2.25 cap/EQR									
	5. Growth Rate Forecast	Average Growth Rate 1.73%									
6. Water Use Scenario Planning Forecast	Median Projected Demand 218.8 gcd										
7. Future Dillon Reservoir & Clinton Shares (FDR) Water	<input checked="" type="checkbox"/> Include FDR Water Enter estimated FDR use 697.9 up to 697.9 AF/yr (w/ consumptive use factor)										
8. Additional Augmentation Supplies	<input checked="" type="checkbox"/> Include Augmentation Supplies Enter estimated Augmentation use 375.0 up to 375 AF/yr (w/ consumptive use factor)										
EXTRA-TERRITORIAL	9. Extra-territorial Connection Rates	<table border="0" style="width: 100%;"> <tr> <td style="padding: 2px 10px 2px 20px;">Wet Water \$ / AF</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">\$ 76,147</td> <td style="padding: 2px 10px 2px 20px;">\$/AF, Womble, Hanemann (2020)</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Current Tap Fee</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">\$ 7,000.00</td> <td style="padding: 2px 10px 2px 20px;">\$ Lump Sum</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Tap Fee Multiplier</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.50</td> <td></td> </tr> </table> <p style="margin-top: 10px;">Non Irrigation Water Supply Use (AF/yr) / EQR 0.19 EQR</p>	Wet Water \$ / AF	\$ 76,147	\$/AF, Womble, Hanemann (2020)	Current Tap Fee	\$ 7,000.00	\$ Lump Sum	Tap Fee Multiplier	1.50	
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	Estimated Total E-t EQRs	<table border="0" style="width: 100%;"> <tr> <td style="padding: 2px 10px 2px 20px;">Single Family</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">50 units</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.00 EQR/tap</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Multi Family</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">25 units</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.00 EQR/tap</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Affordable / Deed Restricted</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">25 units</td> <td style="padding: 2px 10px 2px 20px; text-align: right;">1.00 EQR/tap</td> </tr> </table>	Single Family	50 units	1.00 EQR/tap	Multi Family	25 units	1.00 EQR/tap	Affordable / Deed Restricted	25 units	1.00 EQR/tap
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Multi Family	25 units	1.00 EQR/tap									
Affordable / Deed Restricted	25 units	1.00 EQR/tap									

Output (do not edit cells)

TOWN OF FRISCO

Town Planning (inside Town limits only)

Current Year	2023
Growth Rate Forecast	1.73%
Estimated Current Town Population	2,959 people
EQR Planning Density	2.25 cap/EQR
Water Use Planning	218.8 gallons/cap/day
Water Supply Use / EQR	0.55 (AF/yr)/EQR
Estimated Total Built-Out EQRs	4,015 EQR
Estimated Town Build-out Population	9,034 people

Town Supplies

Use of Future Dillon Reservoir (FDR) Water?	yes
	697.9 AF/yr
Use of Augmentation Supply Water?	yes
	375 AF/yr
Total Wet Water Available	2,485.9 AF/yr

Town Consumption

Future Dillon Reservoir Repayment Required?	yes	AF/yr
Augmentation Repayment Amount	110.6	AF
Year of Supply Exhaustion	2094	year
Years from Current Year	71	years
Town of Frisco Population at Exhaustion	10,000	people

Wet Water Value Required for Town Buildout

EQR Deficit to obtain Buildout	429.4	EQR
Town Water Supply Use / EQR	0.55	(AF/yr)/EQR
Water Supply Deficit to obtain Town Buildout	236.7	AF/yr
Estimated \$USD Value of Town Deficit	N/A, no c	\$, EQR Deficit * Wet Water \$ (Input 9.)

EXTRA-TERRITORIAL

Extra-territorial Wet Water Estimated Value

Historic Non Irrigation Town Water Supply Use (AF/yr) / EQR	0.19	(AF/yr)/EQR
Cost of Wet Water for each Connection (/EQR)	\$ 14,467.93	\$/E-teQR
Estimated Total Extra-territorial (/EQR)	100.0	E-t EQR, see user input 10.
Estimated \$USD Value for Town Fund Deficit Reimbursement	#VALUE!	\$/E-teQR
Total Cost per E-territorial Connection (/EQR)	N/A, no deficit	\$/E-teQR

Town Deficit Balance Remaining

Town Deficit Reimbursement Account Value (\$)	#VALUE!	\$, from sheet 3. Accounts Log
\$ Town Deficit Balance Remaining	N/A, no deficit	\$

