## FY 2020-21 Demand and Consumption Information Portland Water Bureau

Total Well Run water produced	SYSTEM-WIDE PRODUCTION DATA	FY 20-21	FY 19-20	FY 18-19	FY 17-18	FY 16-17(c)	FY 15-16
Total water produced	Total Bull Run water produced	33.7 BG	31.1 BG	30.7 BG	34.9 BG	31.4 BG	31.3 BG
Less total water consumed   30.7 BG   30.6 BG   31.8 BG   32.5 BG   31.2 BG   7.0 bc   7.0	Total well field water produced	0.4 BG	1.8 BG	4.2 BG	0.6 BG	2.7 BG	5.3 BG
Total non-revenue water	Total water produced	34.1 BG	32.9 BG	34.9 BG	35.4 BG	34.1 BG	36.6 BG
Total non-revenue water	·	30.7 BG	30.6 BG	31.8 BG	32.5 BG	31.2 BG	33.8 BG
Percent of Water Loss to Water Supplied (a)		3.4 BG	2.3 BG	3.2 BG	2.9 BG	2.9 BG	2.8 BG
Percent of Water Loss to Water Supplied (a)   17.08%   15.25%   14.70%   14.45%   13.92%   13.74%   Winter Flow Average in MGD (November through March)   78   79   81   81   82   85   85   85   85   85   85   86   86	Percent of non-revenue water to total produced	9.9%	7.1%	9.0%	8.1%	8.5%	7.7%
Winter Flow Average in MGD (November through March)         78         79         81         81         82         85           Summer Flow Average in MGD (June through Sept)         114         108         117         121         115         123           Peak Day Flow         147 MG         134 MG         142 MG         155 MG         144 MG         159 MG           Average Annual Production in MGD         93         90         96         97         93         100           Total water consumed         30.7 BG         30.6 BG         31.8 BG         32.5 BG         31.2 BG         33.8 BG           Total people served (b)         1,003,600         995,800         966,600         965,200         966,600           System annual per capita consumption in Gallons         84         84         90         92         90         96           System daily per capita consumption in Gallons         84         84         90         92         90         96           Total annual consumption         17.2 BG         17.6 BG         18.5 BG         19.0 BG         18.4 BG         19.4 BG           Retail daily per capita consumption in Gallons         251         257         272         280         22.20         272         288	·	17.08%	15.25%	14.70%	14.45%	13.92%	13.74%
Summer Flow Average in MGD (June through Sept)	11 1	78	79	81	81	82	85
Peak Day Flow		114	108	117	121	115	123
Average Annual Production in MGD	· · · · · · · · · · · · · · · · · · ·	147 MG	134 MG	142 MG	155 MG	144 MG	159 MG
Total water consumed   30.7 BG   30.6 BG   31.8 BG   32.5 BG   31.2 BG   33.8 BG   Total people served (b)   1,003,600   995,800   965,400   966,200   952,600   966,600   System annual per capita consumption in Gallons   30,600   30,700   32,900   33,700   32,700   35,000   System daily per capita consumption in Gallons   84   84   90   92   90   96		93	90	96	97	93	100
System annual per capita consumption in Gallons         30,600         30,700         32,900         33,700         32,700         35,000           System daily per capita consumption in Gallons         84         84         90         92         90         96           TOTAL RETAIL CUSTOMERS           Total annual consumption         17.2 BG         17.6 BG         18.5 BG         19.0 BG         18.4 BG         19.4 BG           Retail Population (b)         656,000         645,500         631,900         621,200         610,500         597,400           # of services         187,400         186,800         186,600         185,600         185,100         184,300           Retail daily consumption per service in Gallons         72         74         80         84         83         89           Residential Single Family         Total annual consumption in Gallons         72         74         80         84         83         89           Residential Single Family           Total annual consumption per service in Gallons         136         128         7.5 BG         7.7 BG         7.4 BG         7.8 BG           # of services         153,900         153,900         153,500         153,500         153,500 <td< td=""><td></td><td>30.7 BG</td><td>30.6 BG</td><td>31.8 BG</td><td>32.5 BG</td><td>31.2 BG</td><td>33.8 BG</td></td<>		30.7 BG	30.6 BG	31.8 BG	32.5 BG	31.2 BG	33.8 BG
System annual per capita consumption in Gallons         30,600         30,700         32,900         33,700         32,700         35,000           System daily per capita consumption in Gallons         84         84         90         92         90         96           TOTAL RETAIL CUSTOMERS           Total annual consumption         17.2 BG         17.6 BG         18.5 BG         19.0 BG         18.4 BG         19.4 BG           Retail Population (b)         656,000         645,500         631,900         621,200         610,500         597,400           # of services         187,400         186,600         186,600         185,100         186,500         184,300         89           Retail daily per capita consumption in Gallons         72         74         80         84         83         89	Total people served (b)	1,003,600	995,800	965,400	965,200	952,600	966,600
System daily per capita consumption in Gallons   84   84   90   92   90   96		30,600	30,700	32,900	33,700	32,700	35,000
TOTAL RETAIL CUSTOMERS           Total annual consumption         17.2 BG         17.6 BG         18.5 BG         19.0 BG         18.4 BG         19.4 BG           Retail Population (b)         656,000         645,500         631,900         621,200         610,500         597,400           # of services         187,400         186,800         186,600         185,600         185,100         184,300           Retail daily consumption per service in Gallons         251         257         272         280         272         288           Retail daily per capita consumption in Gallons         72         74         80         84         83         89           Residential Single Family         Total annual consumption         7.6 BG         7.2 BG         7.5 BG         7.7 BG         7.4 BG         7.8 BG           # of services         153,900         153,700         153,900         153,500         153,500         153,500         153,200           Average daily consumption per service in Gallons         136         128         133         137         133         139           Residential Multifamily         Total annual consumption         3.4 BG         3.2 BG         3.2 BG         3.2 BG         3.2 BG         <	· · · · · · · · · · · · · · · · · · ·	84	84	90	92	90	96
Retail Population (b)	· · · · · · · · · · · · · · · · · · ·						I.
# of services	Total annual consumption	17.2 BG	17.6 BG	18.5 BG	19.0 BG	18.4 BG	19.4 BG
# of services	· · · · · · · · · · · · · · · · · · ·	656,000	645,500	631,900	621,200	610,500	597,400
Retail daily per capita consumption in Gallons   72   74   80   84   83   89	. , ,	187,400	186,800	186,600	185,600	185,100	184,300
Retail daily per capita consumption in Gallons   72   74   80   84   83   89     Residential Single Family   Total annual consumption   7.6 BG   7.2 BG   7.5 BG   7.7 BG   7.4 BG   7.8 BG   4 of services   153,900   153,700   153,500   153,500   153,500   153,200     Average daily consumption per service in Gallons   136   128   133   137   133   139     Residential Multifamily   Total annual consumption   3.4 BG   3.2 BG   3.2 BG   3.2 BG   3.2 BG   3.3 BG   4 of services   13,200   12,900   12,600   12,100   11,700   11,300     Residential Customers   Total annual consumption   11.0 BG   10.4 BG   10.7 BG   10.9 BG   10.6 BG   11.1 BG   Residential daily per capita consumption in Gallons   47   46   48   50   50   53     Commercial, Industrial, & Institutional   Total annual consumption   6.2 BG   7.1 BG   7.8 BG   8.1 BG   7.8 BG   8.3 BG   4 of services   20,300   20,200   20,100   20,000   19,900   19,800   4 of Fireline services   4,300   4,200   4,100   3,900   3,900   3,800   Average daily consumption per service (adjusted to exclude Fireline services) in Gallons   13.5 BG   13.5 BG   13.5 BG   13.5 BG   13.5 BG   12.8 BG   14.4 BG   44%   42%   42%   44%   44%   43%   44%   45%   42%   44%   44%   43%   45%   44%   44%   44%   43%   45%   44	Retail daily consumption per service in Gallons	251	257	272	280	272	288
Total annual consumption   T.6 BG   T.2 BG   T.5 BG   T.7 BG   T.4 BG   T.8 BG   # of services   153,900   153,700   153,900   153,500   153,500   153,500   153,200		72	74	80	84	83	89
Total annual consumption         7.6 BG         7.2 BG         7.5 BG         7.7 BG         7.4 BG         7.8 BG           # of services         153,900         153,700         153,900         153,500         153,500         153,500         153,200           Average daily consumption per service in Gallons         136         128         133         137         133         139           Residential Multifamily           Total annual consumption         3.4 BG         3.2 BG         3.2 BG         3.2 BG         3.2 BG         3.2 BG         3.2 BG         3.3 BG           # of services         13,200         12,900         12,600         12,100         11,700         11,300           Residential Customers         Total annual consumption         11.0 BG         10.4 BG         10.7 BG         10.9 BG         10.6 BG         11.1 BG           Residential population (c)         634,617         624,789         614,201         593,564         583,958         574,400           Residential daily per capita consumption in Gallons         47         46         48         50         50         53           Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.	<u> </u>						I.
# of services		7.6 BG	7.2 BG	7.5 BG	7.7 BG	7.4 BG	7.8 BG
Residential Multifamily   Total annual consumption   3.4 BG   3.2 BG   3.2 BG   3.2 BG   3.2 BG   3.3 BG   # of services   13,200   12,900   12,600   12,100   11,700   11,300   Residential Customers	·	153,900	153,700	153,900	153,500	153,500	153,200
Total annual consumption   3.4 BG   3.2 BG   3.2 BG   3.2 BG   3.2 BG   3.3 BG   4 of services   13,200   12,900   12,600   12,100   11,700   11,300   11,300   12,900   12,600   12,100   11,700   11,300   11,300   12,400   12,400   12,400   12,400   12,400   11,700   11,300   11,300   12,400   12,	Average daily consumption per service in Gallons	136	128	133	137	133	139
Total annual consumption         3.4 BG         3.2 BG         3.2 BG         3.2 BG         3.2 BG         3.2 BG         3.3 BG           # of services         13,200         12,900         12,600         12,100         11,700         11,300           Residential Customers           Total annual consumption         11.0 BG         10.4 BG         10.7 BG         10.9 BG         10.6 BG         11.1 BG           Residential population (c)         634,617         624,789         614,201         593,564         583,958         574,400           Residential daily per capita consumption in Gallons         47         46         48         50         50         53           Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.8 BG         8.1 BG         7.8 BG         8.3 BG           # of services         20,300         20,200         20,100         20,000         19,900         19,800           # of Fireline services         4,300         4,200         4,100         3,900         3,900         3,800           Average daily consumption per service (adjusted to exclude Fireline services) in Gallons         13.5 BG         13.0 BG         13.3 BG         13.5 BG         12.8 BG<						I .	l.
# of services	,	3.4 BG	3.2 BG	3.2 BG	3.2 BG	3.2 BG	3.3 BG
Total annual consumption         11.0 BG         10.4 BG         10.7 BG         10.9 BG         10.6 BG         11.1 BG           Residential population (c)         634,617         624,789         614,201         593,564         583,958         574,400           Residential daily per capita consumption in Gallons         47         46         48         50         50         53           Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.8 BG         8.1 BG         7.8 BG         8.3 BG           # of services         20,300         20,200         20,100         20,000         19,900         19,800           # of Fireline services         4,300         4,200         4,100         3,900         3,900         3,800           Average daily consumption per service (adjusted to exclude Fireline services) in Gallons         1,060         1,220         1,330         1,380         1,340         1,420           TOTAL WHOLESALE CUSTOMERS         13.5 BG         13.0 BG         13.3 BG         13.5 BG         12.8 BG         14.4 BG           Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Popula	·	13,200	12,900	12,600	12,100	11,700	11,300
Residential population (c)         634,617         624,789         614,201         593,564         583,958         574,400           Residential daily per capita consumption in Gallons         47         46         48         50         50         53           Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.8 BG         8.1 BG         7.8 BG         8.3 BG           # of services         20,300         20,200         20,100         20,000         19,900         19,800           # of Fireline services         4,300         4,200         4,100         3,900         3,900         3,800           Average daily consumption per service (adjusted to exclude Fireline services) in Gallons         1,060         1,220         1,330         1,380         1,340         1,420           TOTAL WHOLESALE CUSTOMERS         13.5 BG         13.0 BG         13.3 BG         13.5 BG         12.8 BG         14.4 BG           Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200	Residential Customers		I	I		l	l.
Residential population (c)         634,617         624,789         614,201         593,564         583,958         574,400           Residential daily per capita consumption in Gallons         47         46         48         50         50         53           Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.8 BG         8.1 BG         7.8 BG         8.3 BG           # of services         20,300         20,200         20,100         20,000         19,900         19,800           # of Fireline services         4,300         4,200         4,100         3,900         3,900         3,800           Average daily consumption per service (adjusted to exclude Fireline services) in Gallons         1,060         1,220         1,330         1,380         1,340         1,420           TOTAL WHOLESALE CUSTOMERS         13.5 BG         13.0 BG         13.3 BG         13.5 BG         12.8 BG         14.4 BG           Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200	Total annual consumption	11.0 BG	10.4 BG	10.7 BG	10.9 BG	10.6 BG	11.1 BG
Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.8 BG         8.1 BG         7.8 BG         8.3 BG           # of services         20,300         20,200         20,100         20,000         19,900         19,800           # of Fireline services         4,300         4,200         4,100         3,900         3,900         3,800           Average daily consumption per service (adjusted to exclude Fireline services) in Gallons         1,060         1,220         1,330         1,380         1,340         1,420           TOTAL WHOLESALE CUSTOMERS         13.5 BG         13.0 BG         13.3 BG         13.5 BG         12.8 BG         14.4 BG           Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200	Residential population (c)	634,617	624,789	614,201	593,564	583,958	574,400
Commercial, Industrial, & Institutional           Total annual consumption         6.2 BG         7.1 BG         7.8 BG         8.1 BG         7.8 BG         8.3 BG           # of services         20,300         20,200         20,100         20,000         19,900         19,800           # of Fireline services         4,300         4,200         4,100         3,900         3,900         3,800           Average daily consumption per service (adjusted to exclude Fireline services) in Gallons         1,060         1,220         1,330         1,380         1,340         1,420           TOTAL WHOLESALE CUSTOMERS         13.5 BG         13.0 BG         13.3 BG         13.5 BG         12.8 BG         14.4 BG           Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200	Residential daily per capita consumption in Gallons	47	46	48	50	50	53
# of services 20,300 20,200 20,100 20,000 19,900 19,800 # of Fireline services 4,300 4,200 4,100 3,900 3,900 3,800 Average daily consumption per service (adjusted to exclude Fireline services) in Gallons 1,060 1,220 1,330 1,380 1,340 1,420 TOTAL WHOLESALE CUSTOMERS 13.5 BG 13.0 BG 13.3 BG 13.5 BG 12.8 BG 14.4 BG Wholesale consumption (as a % of total consumption) 44% 42% 42% 42% 41% 43% Population served (b) 347,600 350,300 333,500 344,000 342,100 369,200				•	•	•	ı
# of Fireline services 4,300 4,200 4,100 3,900 3,900 3,800  Average daily consumption per service (adjusted to exclude Fireline services) in Gallons 1,060 1,220 1,330 1,380 1,340 1,420  TOTAL WHOLESALE CUSTOMERS 13.5 BG 13.0 BG 13.3 BG 13.5 BG 12.8 BG 14.4 BG  Wholesale consumption (as a % of total consumption) 44% 42% 42% 42% 42% 41% 43%  Population served (b) 347,600 350,300 333,500 344,000 342,100 369,200	Total annual consumption	6.2 BG	7.1 BG	7.8 BG	8.1 BG	7.8 BG	8.3 BG
Average daily consumption per service (adjusted to exclude Fireline services) in Gallons       1,060       1,220       1,330       1,380       1,340       1,420         TOTAL WHOLESALE CUSTOMERS       13.5 BG       13.0 BG       13.3 BG       13.5 BG       12.8 BG       14.4 BG         Wholesale consumption (as a % of total consumption)       44%       42%       42%       42%       41%       43%         Population served (b)       347,600       350,300       333,500       344,000       342,100       369,200	# of services	20,300	20,200	20,100	20,000	19,900	1
Average daily consumption per service (adjusted to exclude Fireline services) in Gallons       1,060       1,220       1,330       1,380       1,340       1,420         TOTAL WHOLESALE CUSTOMERS       13.5 BG       13.0 BG       13.3 BG       13.5 BG       12.8 BG       14.4 BG         Wholesale consumption (as a % of total consumption)       44%       42%       42%       42%       41%       43%         Population served (b)       347,600       350,300       333,500       344,000       342,100       369,200	# of Fireline services	4,300	4,200	4,100	3,900	3,900	3,800
Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200		1,060	1,220	1,330	1,380	1,340	1,420
Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200							
Wholesale consumption (as a % of total consumption)         44%         42%         42%         42%         41%         43%           Population served (b)         347,600         350,300         333,500         344,000         342,100         369,200	TOTAL WHOLESALE CUSTOMERS	13.5 BG	13.0 BG	13.3 BG	13.5 BG	12.8 BG	14.4 BG
Population served (b) 347,600 350,300 333,500 344,000 342,100 369,200		44%	42%	42%	42%	41%	43%
	1 \ 1 /	347,600	350,300	333,500	344,000	342,100	369,200
	1 ( )	107	101	109	108	102	107

## BG = Billion Gallons, MG = Million Gallons, MGD=Million Gallons per Day

- (a) Percent of Water Loss to Water Supplied is calculated based on AWWA methodology as noted in the annual water loss audit report.
- (b) Population figures are based on PSU Population and Research Center forecasts prepared for the Regional Water Providers Consortium (RWPC). Wholesale population is adjusted to exclude an estimate for customers receiving water from sources other than Portland. Wholesales Population served has reduced as they purchase more water from other sources.
- (c) Residential Population includes only people living in single family or multifamily buildings and excludes people living in hospitals or institutions.
- (d) FY 2016-17 excludes City of Tigard, their water sales agreement ended on June 30, 2016.