

An Approach to Estimating Cigarette Tax Revenues


November 5, 2020

Outline

- A spreadsheet with all calculations and backup materials will be provided
- The following slides walk through York's process for estimating cigarette tax revenues
- Many local demographic factors will impact on the actual revenue collections

York's Calculation of Cigarette Tax Revenue

| | Population | Average Pack Per Resident | Tax Per Pack of 20 | Estimated Revenue |
|--|------------|---------------------------|--------------------|-------------------|
| York County | 68,725 | | | |
| Average Pack Per Resident | | 32.14 | \$ 0.40 | \$ 880,000 |
| November 1, 2021 Implementation (8 Months) | | | 8 Months | \$ 590,000 |



Different Tax Rates

- To remove the impact of different tax rates, calculate the average number of packs per resident
- Multiply the average packs per resident by the County's population and the 40 cent tax rate

Calculation of Average Packs Per Resident York's was Limited to Hampton Roads Cities

| Locality | Population FY2019 | Revenues FY2019 | Tax Per Pack of 20 | Calculated Packs Sold | Calculated Packs Per Resident |
|-----------------------------------|----------------------|-----------------|-----------------------|--------------------------|-------------------------------------|
| Counties: | | | | | |
| Fairfax | 1,145,978 | \$ 5,787,235 | \$ 0.30 | 19,290,783 | 16.83 |
| Arlington | 241,031 | 2,115,530 | \$ 0.30 | 7,051,767 | 29.26 |
| Cities: | | | | | |
| Virginia Beach | 453,410 | 10,568,721 | \$ 0.75 | 14,091,628 | 31.08 |
| Norfolk | 245,741 | 7,889,222 | \$ 0.95 | 8,304,444 | 33.79 |
| Newport News | 181,119 | 4,761,217 | \$ 0.85 | 5,601,432 | 30.93 |
| Hampton | 135,629 | 4,336,342 | \$ 0.85 | 5,101,579 | 37.61 |
| Chesapeake | 243,868 | 5,055,551 | \$ 0.65 | 7,777,771 | 31.89 |
| Portsmouth | 94,953 | 4,244,258 | \$ 0.90 | 4,715,842 | 49.67 |
| Suffolk | 92,714 | 1,955,756 | \$ 0.75 | 2,607,675 | 28.13 |
| Williamsburg | 15,183 | 140,211 | \$ 0.30 | 467,370 | 30.78 |
| Poquoson | 12,320 | 82,704 | \$ 0.20 | 413,520 | 33.56 |
| Average Packs Per Resident | | | | | 32.14 |

To Prepare Your Calculation You Will Need:

For each jurisdiction used in your calculation

- Revenues
- Population
- Cigarette Tax Rate

Sources: Auditor of Public Accounts FY2019
Comparative Cost Report, Exhibit B-2 and Tax Rates by
Jurisdiction

| APA COMPARATIVE COST REPORT | | | |
|-----------------------------|------------------|---------------|------------|
| June 30, 2019 | | | |
| Exhibit B-2 | | | |
| No. | Locality | Tobacco Taxes | Population |
| | City of: | | |
| 1 | Alexandria | \$ 2,513,138 | 161,050 |
| 2 | Bristol | 512,787 | 16,877 |
| 3 | Buena Vista | - | 6,351 |
| 4 | Charlottesville | 671,562 | 49,281 |
| 5 | Chesapeake | 5,055,551 | 243,868 |
| 6 | Colonial Heights | 134,345 | 17,562 |
| 7 | Covington | 94,495 | 5,716 |
| 8 | Danville | - | 40,590 |
| 9 | Emporia | - | 5,531 |
| 10 | Fairfax | 600,325 | 24,552 |
| 11 | Falls Church | 258,567 | 14,460 |
| 12 | Franklin | 300,133 | 8,308 |
| 13 | Fredericksburg | 474,305 | 28,387 |
| 14 | Galax | - | 6,587 |
| 15 | Hampton | 4,336,342 | 135,629 |
| 16 | Harrisonburg | 171,011 | 54,606 |
| 17 | Hopewell | - | 0 |
| 18 | Lexington | - | 7,362 |
| 19 | Lynchburg | 846,122 | 81,339 |
| 20 | Manassas | 605,900 | 42,053 |
| 21 | Manassas Park | 179,952 | 16,528 |
| 22 | Martinsville | 164,769 | 13,119 |
| 23 | Newport News | 4,761,217 | 181,119 |
| 24 | Norfolk | 7,889,222 | 245,741 |
| 25 | Norton | - | 0 |
| 26 | Petersburg | - | 0 |
| 27 | Poquoson | 82,704 | 12,320 |
| 28 | Portsmouth | 4,244,258 | 94,953 |
| 29 | Radford | 52,886 | 18,041 |
| 30 | Richmond | - | 226,919 |
| 31 | Roanoke | 2,108,127 | 100,033 |
| 32 | Salem | 715,522 | 25,704 |
| 33 | Staunton | 423,200 | 24,972 |
| 34 | Suffolk | 1,955,756 | 92,714 |
| 35 | Virginia Beach | 10,568,721 | 453,410 |
| 36 | Waynesboro | 491,704 | 22,285 |
| 37 | Williamsburg | 140,211 | 15,183 |
| 38 | Winchester | 582,738 | 28,282 |
| 38 | Total | \$ 50,935,570 | 2,521,432 |

Complete Listing of All Cities with Cigarette Tax Revenues

City and Town Tax Rates

| Local Cigarette Taxing Jurisdictions | | | | | |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|
| VIRGINIA | | | | | |
| | FY2021 | FY2020 | FY2019 | FY2018 | FY2017 |
| CITIES/TOWNS | RATE | RATE | RATE | RATE | RATE |
| | cents per pack | cents per pack | cents per pack | cents per pack | cents per pack |
| Abingdon | 35 | 35 | 35 | 25 | 25 |
| Alexandria | 126 | 126 | 126 | 126 | 126 |
| Altavista | 27 | 27 | 27 | 27 | 27 |
| Appalachia | 25 | 25 | 25 | 20 | 20 |
| Appomattax | 27 | 27 | 27 | 27 | 27 |
| Ashland | 22 | 22 | 22 | 22 | 22 |
| Bedford City | 30 | 30 | 30 | 30 | 30 |
| Berryville | 10 | 10 | 10 | 10 | 10 |
| Big Stone Gap | 10 | 10 | 10 | 10 | 10 |
| Blacksburg | 30 | 30 | 30 | 30 | 30 |
| Blackstone | 22 | 22 | 22 | 22 | 22 |
| Bluefield | 12.5 | 12.5 | 12.5 | 10 | 10 |
| Bridgewater | 10 | 10 | 10 | 10 | 10 |
| Bristol | 17 | 17 | 17 | 17 | 17 |
| Broadway | 20 | 20 | 20 | 20 | 20 |
| Charlottesville | 55 | 55 | 55 | 55 | 55 |
| Chesapeake | 65 | 65 | 65 | 50 | 50 |
| Chilhowie | 8 | 8 | 8 | 8 | 8 |
| Christiansburg | 40 | 40 | 40 | 40 | 40 |
| Claremont | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Clincho | 5 | 5 | 5 | 5 | 5 |
| Clifton | 30 | 30 | 30 | 30 | 30 |

Complete list is included as a tab on the spreadsheet

Questions