

2019 Fee Analysis Worksheet v20180803

User Guide

- 1) It is advisable to save the worksheet to your computer prior to opening it to avoid problems running the program.
- 2) After opening the worksheet, Excel may require you to **Enable Editing** before allowing the program to be started. Please do so if prompted in order to run the program.
- 3) The program is started by clicking the green **Explore Fee Scenario** button.
- 4) The calculator is in turn started by clicking the **Emissions Fee Calculator**.
- 5) The **APC Title V program budget summary** is displayed in the upper right portion of the Emissions Graduated-Scale Fee Calculator. The sum of Initial Reserve, FY2019 Expected Delayed FY2018 Fees Collected, and FY2019 Expected Fee Collections must equal the sum of Projected Expenses and Final Reserve. The Error is an excess dollar value derived from the requirement that the difference between these two sums must be non-negative. The Fee Calculator iteratively solves for the minimum \$/Ton Fee matrix values utilizing the inputs to produce this non-negative difference of the two sums. Two other values in the APC Title V program budget summary provide the Total Projected Fees Revenue associated with the \$/Ton Fee matrix solution and the portion of 2019 Fees that are not collected in 2019. This portion of fees not collected in FY2019 is titled FY2020 Expected Delayed FY2019 Fee Collections and is a preset anticipated percentage of the Total Projected Fees Revenue.
- 6) **Four (4) total inputs** drive this calculator and are preset to proposed values.
- 7) **Two (2) multipliers** provide scaling of fees based on emissions.
 - a. Emission type – **Actual vs Allowable** (ACT vs ALW)
 - b. Facility type – **EGU vs Non-EGU** (EGU vs NEGU)
- 8) **Two (2) variables** provide for determination of permitting fees.
 - a. **Base Fee** – added to the \$/Ton Fee
 - b. **Minimum Fee** – compared to the sum of \$/Ton Fee + Base Fee

- 9) The facility annual Fee is set as the greater of either the Minimum Fee or the sum of the \$/Ton Fee + Base Fee.
- 10) **Scenario buttons** set the multipliers and variables to preset values per the Title V Fee Stakeholder Kickoff Webinar presentation given by APC Deputy Director Jimmy Johnston during May 2017.
- 11) The calculator has **three modes of operation**. Click the named tab to select.

a. Basic

- i. After setting multiplier and variable values, click **Solve Fees**. The minimum \$/Ton Fee matrix values will be calculated to satisfy APC Title V program budgetary requirements specified above.
- ii. Alternately, (not advised) set the NEGU (Non-EGU) Allowable fee value and then click the **Manually Update the Worksheet** button. *This function ONLY updates the \$/Ton Fee matrix, facility fees in the worksheet, and the APC Title V program budget summary, BUT DOES NOT solve for a \$/Ton Fee matrix solution that satisfies the APC Title V program budgetary requirements as specified above.*
- iii. A **Display Fees function** is available **after** the **Solve Fees function** has been performed, and **after** using the **Manually Update the Worksheet** function. This function provides for choosing a facility (any one, but one at a time) to display the fee information.
- iv. The **Display Statistics function** is available **only after** the **Solve Fees function** has been performed. It displays a few basic statistics and a list of the facilities listed in order of highest to lowest fee.
- v. Fee data is also written by the program into the worksheet in columns T, U, V, W, and X. Full access to the worksheets is available by exiting the program by pressing the X in the upper right corner of each program page until all are closed.

b. Advanced

- i. This mode of operation will generate multiple scenarios in a single operation.
- ii. Select one (1) input from the four (4) available by clicking the appropriate radio button control having the same name.
- iii. Enter an initial value for the selected input into the appropriately labeled text box.
- iv. Enter an increment value for the selected input into the appropriately labeled text box.
- v. Enter the number of columns of data to be generated into the appropriately labeled text box. Each column of data will be a scenario having three inputs given by what was entered into the input text boxes not being incremented, and the fourth input will be the current increment value for the data column being generated. The first data column has the initial value for the selected input to be incremented. Each successive column will be the previous data column input value plus the increment value.
- vi. Create the data columns by clicking the **Make Data Sheet** button.
- vii. Select the **View Data Sheet** button if desired to view it.
- viii. Select the **View Est Tons** button if desired to view it.
- ix. Full access to the worksheets is available by exiting the program by pressing the X in the upper right corner of each program page until all are closed.
- x. Several statistics are evaluated for each data column (first 21 data columns only) on the Output data sheet in rows 224 through 237. These cell formulas may be copied to additional columns as needed.

c. **Multivariat**

- i. This mode of operation will generate multiple scenarios in a single operation.
- ii. Select one (1) **or more** inputs from the four (4) available by clicking the appropriate checkbox control having the same name.
- iii. Enter an initial value for each selected input into the appropriately labeled text box.
- iv. Enter an increment value for each selected input into the appropriately labeled text box.
- v. Enter the number of columns of data to be generated into the appropriately labeled text box. Each column of data will be a scenario having inputs given by what was entered into the input text boxes not being incremented, and those inputs selected will be the current increment values for the data column being generated. The first data column has the initial values for the selected inputs to be incremented. Each successive column will be the previous data column input values plus the appropriate increment value.
- vi. Create the data columns by clicking the **Make Data Sheet** button.
- vii. Select the **View Data Sheet** button if desired to view it.
- viii. Select the **View Est Tons** button if desired to view it.
- ix. Full access to the worksheets is available by exiting the program by pressing the X in the upper right corner of each program page until all are closed.
- x. Several statistics are evaluated for each data column (first 21 data columns only) on the Output data sheet in rows 224 through 237. These cell formulas may be copied to additional columns as needed.