

Bay Area Air District Criteria Air Pollutant Emissions Inventory Methodology

Introduction

This GitBook contains the Base Year Inventory methodology documents.

For this version of emissions inventory development, a base year of 2015 is typically used as a reference point for estimating emissions for historical (backcasting) and future (forecasting) years. Wherever possible, the most recent available data, including actual emissions, are used.

Sections within each chapter may contain links to references that are denoted as superscripted numbers. Clicking on these numbers will direct the user to the bottom of the page, where all references are listed.

This methodology document is organized into ten chapters, where source categories are generally grouped based on the fundamental industrial and chemical processes producing pollutant emissions. Some of the less common sources, and emissions from biological processes including that from animal waste, are presented under ‘Miscellaneous Sources’. Within these chapters, emissions source categories are further grouped into sub-sectors that typically represent specific industries (e.g., landfills and power plants), operations (e.g., concrete batching and gasoline truck loading), or equipment types (e.g., reciprocating engines and turbines).

User Notes

The GitBook can be navigated by using the left and right arrow keys to page through the document. Alternatively, the user may click on the arrows on the left and right sides of the pages.

The Table of Contents is listed on the left hand side of the webpage. It can also be used to navigate the GitBook by clicking on the title of a chapter or section.

The top toolbar offers a variety of functions. To view the function of each option on the toolbar, simply hover over the icon for a description. The options are described below in more detail, ordered from the left to the right of the page:

- To minimize the Table of Contents, click on the “Toggle Sidebar” button on the top toolbar (leftmost icon).

- To search the GitBook for a keyword, use the “Search” button on the top toolbar (second from the left). Alternatively, Ctrl+F can be used to search the displayed page exclusively.
- To change the font size, font style, or color theme, use the “Font Settings” button on the top toolbar (third from the left).
- The remaining three icons (“Edit”, “View Source”, “Information about the toolbar”) are for developer use only.

The full emissions methodology can be accessed through an open-access public link to a Gitbook file:

<https://baaqmd.github.io/BY2015-methodology/>