

APPENDIX A. PREFACE FOR THE APPENDICES

This *Draft Community Air Protection Blueprint for Selecting Communities, Preparing Community Emissions Reduction Programs, Identifying Statewide Strategies, and Conducting Community Air Monitoring* (Blueprint) document establishes the overall Program design, summarizes the main Program elements, and describes the timeline for action.¹⁸ To help build the Program, as described in the Blueprint, CARB staff have developed these appendices, which contain detailed implementation requirements including the following items that are required by statute:

- Statewide strategy to reduce emissions of criteria air pollutants and toxic air contaminants.
- Criteria and process for identifying and selecting impacted communities.
- Statewide air monitoring plan for the deployment of community air monitoring.
- Criteria for the development and implementation of community emissions reduction programs.

AB 617 requires CARB staff develop the statewide strategy and the statewide air monitoring plan by October 1, 2018.¹⁹ The CARB Governing Board will meet in September 2018 to consider the Blueprint and select communities, to meet the October 1, 2018 statutory requirements.²⁰

In line with additional elements set out in AB 617, CARB staff have also developed an online Resource Center to support communities throughout California. This online Resource Center provides the ability for CARB staff to deliver updates quickly to the public as new information becomes available. Information in the online Resource Center addresses statutory requirements for:

- Assessments of current air monitoring technologies and community air monitoring systems.²¹
- Technology clearinghouse.²²
- Other community resources.

¹⁸ Appendix I provides a glossary to clarify the terms used in this document; it does not contain official definitions to be used for other purposes.

¹⁹ California Health and Safety Code § 44391.2 and § 42705.5(b).

²⁰ California Health and Safety Code § 44391.2 and § 42705.5(b).

²¹ California Health and Safety Code § 42705.5(b).

²² California Health and Safety Code § 40920.8.

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CARB will compile a list of documents, tools, and information to support effective implementation of the Program and make them available in the online Resource Center by October 1, 2018.

I. PROGRAM ELEMENTS

The Program established under AB 617 is comprehensive and includes community-focused elements (Figure 9) designed to achieve emissions reductions and improve public health in communities with high cumulative exposure burdens. Each of these elements is addressed in greater detail in these appendices and in the online Resource Center.

Figure 9 Community-Focused Program Elements



CARB and the State’s regional air districts have specific roles and responsibilities in implementing the requirements of AB 617. Our agencies are committed to working closely with community residents and stakeholders to implement the Program. This includes also consulting with the Scientific Review Panel and Office of Environmental Health Hazard Assessment during the development of the Program. Figure 10 and Figure 11 summarize the roles and responsibilities for CARB and the air districts, respectively, based on the statutory requirements.²³ Figure 12 provides a summary of

²³ Assembly Bill 617, Garcia, C., Chapter 136, Statutes of 2017, modified the California Health and Safety Code, amending § 40920.6, § 42400, and § 42402, and adding § 39607.1, § 40920.8, § 42411, § 42705.5, and § 44391.2. See Appendix H for complete bill language.

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major Program and statutory milestones. Additionally, in support of this effort, staff are moving forward in implementing both the emissions reporting requirements and the Technology Clearinghouse.

Figure 10 CARB Statutory Responsibilities

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- Identifying communities with high cumulative exposure burdens and annually selecting communities for deployment of community air monitoring and/or development and implementation of community emissions reduction programs.
- Developing a statewide strategy, including measures to reduce emissions and exposure, methods for identifying contributing sources, and criteria to serve as the benchmark that air districts must meet when developing and implementing community emissions reduction programs.
- Preparing a statewide air monitoring plan to assess current monitoring technologies and existing community monitoring programs, and provide criteria and guidance for developing future community air monitoring.
- Establishing and maintaining an emissions control technology clearinghouse.
- Establishing a statewide uniform system of annual emissions reporting for certain categories of sources.
- Implementing and enforcing CARB regulatory programs.
- Program review and oversight.

Figure 11 Air District Statutory Responsibilities

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- Planning and conducting community air monitoring.
- Developing and implementing community emissions reduction programs.
- Implementing emission reporting requirements.
- Implementing and enforcing local regulatory efforts.
- Implementing expedited schedules for implementation of best available retrofit control technology.

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Figure 12 Summary of Milestones

JULY 2017	AB 617 signed by Governor Edmund G. Brown Jr.
BY OCTOBER 2018	CARB Governing Board selects communities for action in the first year and sets the Program requirements. CARB launches Technology Clearinghouse for the cleanest pollution control technologies: best available control technologies (BACT), best available retrofit control technologies (BARCT), and best available control technologies for air toxics (T-BACT).
BY LATE 2018	Air districts form community steering committees for first-year communities and begin to develop the community emissions reduction programs.
BY JANUARY 2019	Air districts develop expedited schedules for implementing BARCT, which must be implemented by the end of 2023.
BY JULY 2019	Air districts deploy monitoring in first-year communities selected for community air monitoring systems.
BY SEPTEMBER 2019	Air districts adopt programs in first-year communities selected for community emissions reduction programs.
BY OCTOBER 2019	Air districts provide annual reports for first-year communities selected for community emissions reduction programs.
BY DECEMBER 2019 AND ANNUALLY THEREAFTER	CARB Governing Board selects additional communities for air monitoring and community emissions reduction programs. CARB Governing Board considers air districts' community emissions reduction programs.
BY JANUARY 2021 AND ANNUALLY THEREAFTER	Within one year after the selection of additional communities, air districts adopt community emissions reduction programs.
By SEPTEMBER 2023	CARB Governing Board updates the statewide strategy, which must be updated at least once every five years.

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Table 3 links the terms used in this Blueprint with statutory language.

Table 3 Mapping Program Terms with Language in Statute

PROGRAM TERMINOLOGY	STATUTE TERMINOLOGY	CALIFORNIA HEALTH AND SAFETY CODE SECTION
Assessment of communities	“An assessment and identification of communities with high cumulative exposure burdens for toxic air contaminants and criteria air pollutants.”	§ 42705.5(c) § 44391.2(b)(1)
Community air monitoring	“...any district containing a location selected...shall deploy a community air monitoring system in the selected location or locations...”	§ 42705.5(c)
Community air monitoring data portal	“...board shall publish the air quality data on its Internet Web site.”	§ 42705.5(e)
Community emissions reduction programs	“...the districts... shall adopt...a community emissions reduction program to achieve emissions reductions for the location selected...”	§ 44391.2(c)(2)
Community selection (for community air monitoring)	“...board shall select, concurrent with the monitoring plan... and based on an assessment of the locations of sensitive receptors and disadvantaged communities, the highest priority locations around the state to deploy community air monitoring systems, which shall be communities with high exposure burdens for toxic air contaminants and criteria air pollutants.”	§ 42705.5(c)
Community selection (for community emissions reduction programs)	“... board shall select, concurrent with the strategy, locations around the state for preparation of community emissions reduction programs. The state board shall select additional locations annually thereafter, as appropriate.”	§ 44391.2(c)(1)
Disadvantaged community	“...means a community identified as disadvantaged pursuant to [California Health and Safety Code] Section 39711...”	§ 42705.5(a)(2)

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PROGRAM TERMINOLOGY	STATUTE TERMINOLOGY	CALIFORNIA HEALTH AND SAFETY CODE SECTION
Resources for community air monitoring	“...board shall prepare... a monitoring plan regarding the availability and effectiveness of toxic air contaminant and criteria air pollutant advanced sensing monitoring technologies and existing community air monitoring systems, as well as the need for and benefits of establishing additional community air monitoring systems....”	§ 42705.5(b)
Source attribution (for community emissions reduction programs)	“A methodology for assessing and identifying the contributing sources or categories of sources ...and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities...”	§ 44391.2(b)(2)
Statewide strategy	“...board shall prepare... a statewide strategy to reduce emissions of toxic air contaminants and criteria air pollutants in communities affected by a high cumulative exposure burden. The state board shall update the strategy at least once every five years....”	§ 44391.2(b)
Statewide system of annual emissions reporting	“...board... shall establish a uniform statewide system of annual reporting of emissions of criteria pollutants and toxic air contaminants for a stationary source.”	§ 39607.1(b)(1)
Technology Clearinghouse	“...board shall establish and maintain a statewide clearinghouse that identifies the best available control technology and best available retrofit control technology for criteria air pollutants, and related technologies for the control of toxic air contaminants....”	§ 40920.8(a)

II. PROGRAM REVIEW PROCESS

While this Blueprint establishes Program elements and requirements, Program implementation will be a dynamic and iterative process. CARB is committed to ongoing collaboration with communities, air districts, affected industry, and other stakeholders to continually review and improve the Program. Statute requires CARB to update Program elements periodically and obtain approval from the CARB Governing Board.²⁴ In addition, the online Resource Center allows the Program to evolve by adding new features and materials as they become available. If necessary, CARB may clarify Program requirements by issuing advisories or additional guidance.

As part of this Program review process, CARB staff will review air district annual progress reports, conduct additional analyses to track implementation progress, and seek opportunities to improve Program guidance. This may include development of new templates for air district submittals, new processes for engagement and coordination, or updated criteria. CARB will also conduct outreach to communities to obtain detailed perspectives on Program progress and success. This could include surveys to solicit community perspectives to supplement air district reports, CARB community meetings, and other activities. Lessons learned from initial Program implementation and outreach will serve as strong models for action and help build more effective programs for future communities with high cumulative exposure burdens. CARB staff will make these lessons learned publicly available by posting the information in the online Resource Center, along with links to air district webpages and other resources to improve Program implementation.

²⁴ California Health and Safety Code § 42705.5(d) and § 44391.2.