



**Proposed Amended Rule 1111—
Reduction Of NO_x Emissions From Natural-
Gas-Fired, Fan-Type Central Furnaces**

**Proposed Amended Rule 1121—
Control of Nitrogen Oxides From Residential
Type, Natural Gas-Fired Water Heaters**

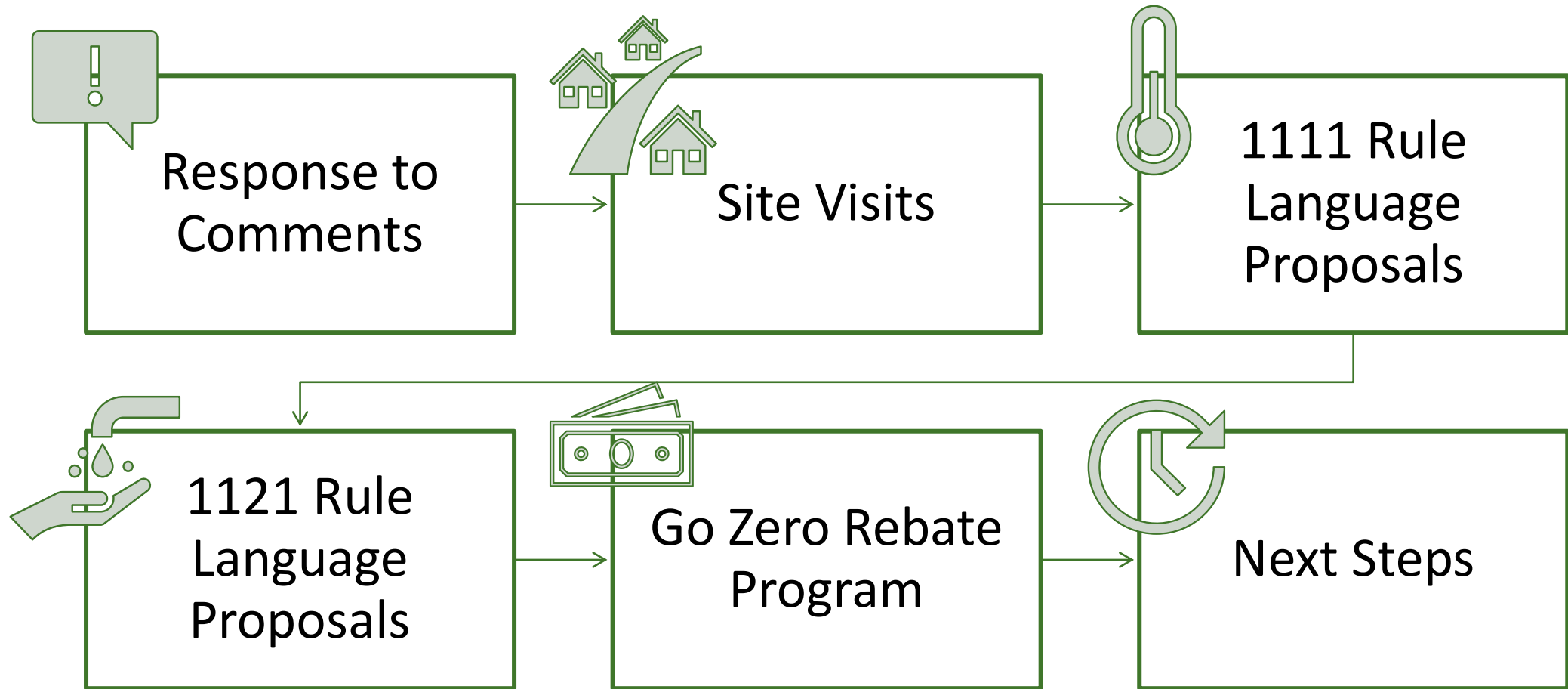
Working Group Meeting #5
June 20, 2024, 9:00 AM (PST)

Join Zoom Meeting:

<https://scaqmd.zoom.us/j/97271436016>

Meeting ID: 972 7143 6016

Agenda



Summary of Working Group Meeting #4

In the previous Working Group Meeting, Staff provided background on:

Response to Comments

Site Visits

Wall and Floor Furnaces

Commercial Space Heating

Cost Effectiveness Updates

Proposed Rule Concepts

Technology Check-in



Stakeholder Comments from Working Group Meeting #4

Response to Comment #1

Comment:

- Amended Rules should base compliance schedule on manufacture date rather than installation date
 - Aligns with BAAQMD Rules 9-4 and 9-6
 - Prevents stranded assets

Response:

- Installation date aligns with previous amendments to Rules 1111 and 1121, as well as current version of Rule 1146.2
- Future effective dates give time for manufacturers, suppliers, and installers to ensure inventory is compliant by the compliance dates

Site Visits



Site Visit – Apartment Complex, 5/2/24

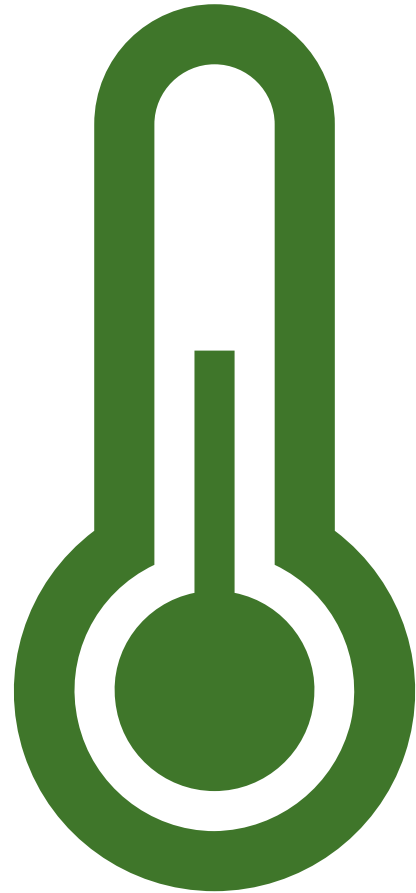
- ▶ Water heater used for both domestic hot water and space heating
- ▶ Space cooling from AC on the roof
- ▶ Water heater can be replaced by heat pump water heater
 - 120V plug-in model may be used to avoid electrical upgrades
- ▶ AC can be replaced with heat pump to provide space heating and cooling



Site Visit – Apartment Complex 5/22/24

- ▶ Space heating provided by gas wall furnace and electric resistance heater
- ▶ Space cooling provided by through-the-wall AC
- ▶ Possible replacement: through-the-wall heat pump or mini-split





PAR 1111 Rule Language Proposals

PAR 1111 Key Rule Changes

Separated Purpose (a) and Applicability (b) subdivisions

Added several new definitions and revised old definitions

Included future effective zero-emission NO_x limits

Added alternative compliance options

Removed obsolete rule provisions

Purpose (a) and Applicability (b)

- ▶ Added Subdivision (b)
Applicability to align with current rules
- ▶ Added resellers to Applicability

(a) Purpose and Applicability

The purpose of this rule is to reduce Oxides of Nitrogen (NOx) emissions from ~~fan-type central~~ natural gas-fired furnaces ~~Furnaces used for comfort heating~~, as defined in this rule. ~~This rule applies to manufacturers, distributors, sellers, and installers of residential and commercial fan-type central furnaces, requiring either single-phase or three-phase electric supply, used for comfort heating with a rated heat input capacity of less than 175,000 BTU per hour, or, for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.~~

(b) Applicability

The provisions of this rule are applicable to manufacturers, distributors, retailers, Resellers, and Installers of natural gas-fired Furnaces used for comfort heating with a Rated Heat Input Capacity less than or equal to 2,000,000 British thermal units (Btu) per hour.

Definitions (c)

- ▶ Original definition of Fan-Type Central Furnace changed to Residential Fan-Type Central Furnace to reflect expanded applicability
 - New definitions for Commercial, Floor, and Wall Furnaces

- (2) COMMERCIAL FAN-TYPE CENTRAL FURNACE is a self-contained space heater using natural gas, or any fan-type central furnace that is in natural gas-firing mode, providing for circulation of heated air at pressures other than atmospheric through ducts more than 10 inches in length that have:
- (A) A Rated Heat Input Capacity of -175,000 Btu per hour or more, but less than or equal to 2,000,000 Btu per hour; or
- (B) For combination heating and cooling units, a cooling rate of 65,000 Btu per hour or more.
- (24) WALL FURNACE means a wall-mounted, self-contained space heater using natural gas without ducts that exceed 10 inches that has a Rated Heat Input Capacity at or less than 2,000,000 BTU per hour.

- (8) FURNACE means any Residential Fan-Type Central Furnace, Commercial Fan-Type Central Furnace, Wall Furnace, or Floor Furnace as defined in this rule.
- (9) FLOOR FURNACE means a self-contained, floor-mounted space heater using natural gas without ducts that has a Rated Heat Input Capacity at or less than 2,000,000 BTU per hour.

Definitions (c)

- ▶ New definitions for Install, Installer, Compliance Portal, Existing Building, and New Building, aligning with 1146.2 definitions

(13) INSTALL means the action of an Installer to place a Unit in a position ready for use.

(14) INSTALLER means a person who Installs a Unit and is required to obtain a license issued by the Department of Consumer Affairs Contractors State License Board for a classification related to buildings and appliances.

(4) COMPLIANCE PORTAL means the dedicated webpage on the South Coast AQMD website for submitting reports, notifications, or any documents to comply with South Coast AQMD rule(s).

(7) EXISTING BUILDING means a building that is not a New Building as defined in this rule. Existing Building includes any structures on the property such as sheds and detached garages and appurtenances such as pools and spas.

(17) NEW BUILDING means a building that is newly constructed or a building with a major alteration which changes the occupancy classification of a building, which means a change in the formal designation of the primary purpose of the building pursuant to 2022 Title 24 California Building Code Part 2 Chapter 3 for occupancy classification and use, and does not have a Unit installed prior to the applicable Table 3 compliance dates.

Requirements (d) – Previous Requirements

► Previous 14 ng/J emission limits preserved in (d)(1)

- Mitigation fee option for mobile home furnaces moved to new alternate compliance options section
- Obsolete requirements (d)(1) through (d)(3) removed

(1) ~~A manufacturer shall not, after January 1, 1984, manufacture or supply for sale or use in the South Coast AQMD fan-type central furnaces, unless such furnaces meet the requirements of paragraph (e)(3).~~

(2) ~~A person shall not, after April 2, 1984, sell or offer for sale within the South Coast AQMD fan-type central furnaces unless such furnaces meet the requirements of paragraph (e)(3).~~

(3) Fan-type central furnaces shall:

(A) ~~not emit more than 40 nanograms of oxides of nitrogen (calculated as NO₂) per joule of useful heat delivered to the heated space; and~~

(B) ~~be certified in accordance with subdivision (d) of this rule.~~

- (41) ~~On or after October 1, 2012~~Prior to the applicable Table 2 compliance date, ~~ano~~ person shall ~~not~~ manufacture, supply, sell, offer for sale, import, or ~~install~~Install, for use in the South Coast AQMD, ~~fan-type central furnaces~~ any Residential Fan-Type Central Furnaces ~~subject to this rule~~, unless such furnace is certified in accordance with subdivision (e) not to exceed ~~complies with~~ the applicable emission limit ~~and compliance date set forth~~ in Table 1 ~~and is certified in accordance with subdivision (d) of this rule.~~

Table 1 – Residential Fan-Type Central Furnace NOx Limits and Compliance Schedule

<u>Equipment Category</u>	<u>NOx Emission Limit (ng/J *)</u>	<u>Compliance Date</u>
<u>Condensing Furnace</u>	<u>14</u>	<u>October 1, 2019</u>
<u>Non-condensing Furnace</u>	<u>14</u>	<u>October 1, 2019</u>
<u>Weatherized Furnace</u>	<u>14</u>	<u>October 1, 2021</u>
<u>Mobile Home Furnace</u>	<u>14</u>	<u>October 1, 2018</u>

* Nanograms per joule (ng/J) of ~~oxides of nitrogen (calculated as NO₂)~~NOx per joule of useful heat delivered to the heated space.

Requirements (d) – Zero Emissions

(2) On and after the applicable Table 2 compliance date, no person shall manufacture, supply, sell, resell, offer for sale, import, or Install, Furnaces for use in the South Coast AQMD that exceed the Table 2 NOx emission limits.

Table 2 – Zero-Emission Limits and Compliance Schedule

<u>Equipment Category</u>	<u>NOx Emission Limit (ng/J*)</u>	<u>Building Type</u>	<u>Compliance Date</u>
<u>Residential Fan-Type Central Furnace**</u>	0	<u>New</u>	<u>January 1, 2026</u>
		<u>Existing</u>	<u>January 1, 2028</u>
<u>Commercial Fan-Type Central Furnace</u>	0	<u>New</u>	<u>January 1, 2026</u>
		<u>Existing</u>	<u>January 1, 2028</u>
<u>Mobile Home Furnace</u>	0	<u>New</u>	<u>January 1, 2026</u>
		<u>Existing</u>	<u>January 1, 2030</u>
<u>Wall Furnaces, Floor Furnaces, and Others</u>	0	<u>New</u>	<u>January 1, 2026</u>
		<u>Existing</u>	<u>January 1, 2028</u>

* Nanograms per joule (ng/J) of NOx of useful heat delivered to the heated space.

** Includes Condensing, Non-Condensing, and Weatherized Furnaces categories in Table 1.

- ▶ Split compliance dates for new and existing buildings, mirroring 1146.2
- ▶ Compliance dates same for all categories except for mobile home furnaces, which get additional time for existing buildings
- ▶ Supply side only, affects residents on replacement for existing buildings

Alternative Compliance Options (g)

- ▶ Alternative compliance option similar to 1146.2 allowing for emergency replacements
- ▶ Compliance option allows supplier to rent units that meet the 14 ng/J for up to six months to allow for permitting, electrical upgrades, etc.
 - Emergency replacements in new categories (commercial, wall, floor) do not need to meet 14 ng/J as they previously had no regulated emission limit

(2) Alternative Compliance Option for Emergency Replacements

If a Furnace requires a short-term replacement due to sudden unit failure after the applicable Table 2 compliance date and an electrical upgrade is required to increase the power supply capacity to operate a Furnace that complies with Table 2 emission limits:

(A) For Residential Fan-Type Central Furnaces, a manufacturer, distributor, retailer, or Installer may elect to offer a Furnace for rent that complies with Table 1 emission limits for up to six months prior to installing a Furnace that complies with Table 2 emission limits provided the manufacturer, distributor, retailer, or Installer report the date the temporary Furnace was rented through the Compliance Portal no later than 72 hours after the date the temporary unit was rented.

(B) For Commercial Fan-Type Central Furnaces, Floor Furnaces, and Wall Furnaces, a manufacturer, distributor, retailer, or Installer may elect to offer a Furnace for rent for up to six months prior to installing a Furnace that complies with Table 2 emission limits provided the manufacturer, distributor, retailer, or Installer report the date the temporary Furnace was rented through the Compliance Portal no later than 72 hours after the date the temporary unit was rented.

Labeling (h)

(h) Labeling, Recordkeeping, and Reporting

(1) Pursuant to the labeling schedule in Table 3, any Unit that complies with the Table 1 emission limits but does not comply with the Table 2 emission limits and is supplied or offered for sale for use within the South Coast AQMD, shall prominently display the statement “If Installed in South Coast AQMD: For Installation and Use in Existing Buildings Only.”

(3) Annual Reporting Requirement

Effective on and after the Table 2 compliance dates for Existing Buildings, manufacturers of natural gas-fired Unit(s) shall submit a report by March 1st of the following calendar year to the Executive Officer. The report shall include:

- (A) Name of the product manufacturer;
- (B) List of product model(s);
- (C) Number of Units and Rated Heat Input Capacity of each model that was sold into or within the South Coast AQMD; and
- (D) The applicable equipment category in Table 2.

- ▶ Labeling requirement for units being sold between new and existing compliance dates
- ▶ Reporting requirement as compliance tool

Table 3 – Labeling Schedule

<u>Unit’s Compliance Schedule</u>	<u>Labeling Requirements</u>	
	<u>Start Date</u>	<u>End Date</u>
<u>Mobile Home Furnaces</u>	<u>January 1, 2026</u>	<u>January 1, 2030</u>
<u>All Other Furnaces</u>	<u>January 1, 2026</u>	<u>January 1, 2028</u>



PAR 1121 Rule Language Proposals

PAR 1121 Key Rule Changes

Added subdivision (a) Purpose

Added several new definitions and revised old definitions

Included future effective zero-emission NO_x limits

Added alternative compliance options

Removed obsolete rule provisions

PAR 1121 Subdivisions (a) & (b)

- ▶ Added Subdivision (a) Purpose to align with current rules
- ▶ Added Resellers to Applicability

(a) Purpose

The purpose of this rule is to reduce Oxides of Nitrogen (NOx) emissions from natural gas-fired Water Heaters as defined in this rule.

(~~a~~b) Applicability

~~This~~ The provisions of this rule ~~applies~~ are applicable to manufacturers, distributors, retailers, Resellers, and ~~installers~~ Installers of natural gas-fired water heaters, with ~~heat input~~ a Rated Heat Input Capacity ~~rates~~ less than 75,000 British thermal units (Btu) per hour.

PAR 1121 Subdivision (c) Definitions

- ▶ Deleted the following definitions:
 - BTU (defined on first use)
 - Direct Vent Water Heater
 - Mitigation Fee
 - Power Vent Water Heater
 - Power Direct Vent Water Heater
- ▶ Made revisions to the following definitions:
 - Mobile Home Water Heater
 - Water Heater
 - Heat Output
 - Protocol
- ▶ Added the following definitions:
 - Existing Building
 - Install
 - Installer
 - Mobile Home
 - New Building
 - Parts per Million by Volume (ppmv)
 - Reseller
 - Standard Conditions
 - Therm

PAR 1121 Subdivision (c) Definitions

- ▶ Most definitions added to PAR 1111 also added to PAR 1121
- ▶ Resellers defined for Applicability
- ▶ Protocol updated to reflect most recent version

(16) RESELLER means anyone who sells either retail, wholesale, or on an individual basis any Unit.

(79) MOBILE HOME WATER HEATER means a closed vessel manufactured exclusively for ~~mobile home~~ Mobile Home use ~~in which water is heated by combustion of gaseous fuel and is withdrawn for use~~ that is fired with, or designed to be fired with, natural gas external to the vessel ~~at pressures not exceeding 160 psig~~, including the apparatus by which heat is generated and all controls and devices necessary to prevent water temperatures from exceeding 210°F ~~(99°C)~~.

(1419) WATER HEATER means a closed vessel other than a ~~mobile home water heater in which water is heated by combustion of gaseous fuel and is withdrawn for use~~ Mobile Home Water Heater that is fired with, or designed to be fired with, natural gas external to the vessel ~~at pressures not exceeding 160 psig~~, including the apparatus by which heat is generated and all controls and devices necessary to prevent water temperatures from exceeding 210°F ~~(99°C)~~.

(1413) PROTOCOL means the most recent version of the South Coast ~~Air Quality Management District~~ AQMD Protocol to ensure standardization of compliance certification test procedures, titled: Nitrogen Oxides Emissions Compliance Testing for Natural Gas-Fired Water Heaters and Small Boilers, January 1998.

PAR 1121 Subdivision (d) Requirements

- ▶ Abridged previous requirements (paragraphs (c)(1) – (c)(8)) to paragraph (d)(1) and Table 1

(1) Prior to the applicable Table 2 compliance date, no person shall manufacture, supply, sell, resell, offer for sale, import, or Install, for use in the South Coast AQMD, any Water Heater or Mobile Home Water Heater unless the Water Heater or Mobile Home Water Heater is certified pursuant to subdivision (e) and does not exceed the NOx limits Table 1.

Table 1 – NOx Emission Limits

<u>Equipment</u>	<u>NOx Emission Limits</u>	
	<u>ng/J*</u>	<u>ppmv</u>
<u>Water Heater</u>	<u>10</u>	<u>15</u>
<u>Mobile Home Water Heater</u>	<u>40</u>	<u>55</u>

* Nanograms per joule (ng/J) of NOx of Heat Output.

PAR 1121 Subdivision (d) Requirements

- ▶ Included zero-emission NOx limit applicable at future effective dates
 - Allow for zero-emission technology market growth and building readiness
 - Applicable through supply chain
- (2) On and after the applicable Table 2 compliance dates, no person shall manufacture, supply, sell, resell, offer for sale, import, or Install a Water Heater or Mobile Home Water Heater for use within the South Coast AQMD that exceeds the Table 2 NOx emission limits.

Table 2 – Zero-Emission Limits and Compliance Schedule

<u>Equipment</u>	<u>Building Type</u>	<u>NOx limit (ng/J* or ppmv)</u>	<u>Compliance Date</u>
<u>Water Heater</u>	<u>New</u>	<u>0</u>	<u>January 1, 2026</u>
	<u>Existing</u>	<u>0</u>	<u>January 1, 2027</u>
<u>Mobile Home Water Heater</u>	<u>New</u>	<u>0</u>	<u>January 1, 2026</u>
	<u>Existing</u>	<u>0</u>	<u>January 1, 2030</u>

* Nanograms per joule (ng/J) of NOx of Heat Output.

PAR 1121 Subdivision (e) Certification

- ▶ Certification required to ensure each model manufactured complies with emission limits
 - ▶ Manufacturer required to submit source test report no more than 180 days after the date of source test
- (2) When applying for certification of ~~water heaters~~ Water Heaters, the manufacturer shall submit to the Executive Officer the following:
- (A) A statement that the model is in compliance with subdivision (e)d). ~~The statement shall be signed and dated by the manufacturer and dated, and shall attest~~ing to the accuracy of all statements;
 - (B) General Information, including:
 - (i) Name and address of manufacturer,
 - (ii) Brand name, trade name; and
 - (iii) Model number, as it appears on the ~~water heater~~ Water Heater rating plate;
 - (C) A description of each model being certified; and
 - (D) A source test report verifying compliance with subdivision (e)d) for each model to be certified. ~~The source test report shall be~~, prepared by the confirming ~~independent testing laboratory~~ Independent Testing Laboratory and ~~shall~~ containing all of the elements identified in ~~Section 10 of the Protocol for each unit tested. The source test shall have been conducted no more than ninety days prior to the date of submittal to the Executive Officer.~~

PAR 1121
Subdivision (f)
Alternative
Compliance
Options

- ▶ Alternative compliance for Mobile Homes that require an electrical upgrade
 - May elect to rent a natural gas fired water heater for up to six months

(f) Alternative Compliance Options

- (1) If a Mobile Home Water Heater requires a short-term replacement due to sudden Mobile Home Water Heater failure after the applicable Table 2 compliance date and an electrical upgrade is required to increase the power supply capacity to operate a Mobile Home Water Heater that complies with Table 2 emission limits, a manufacturer, distributor, retailer, or Installer may elect to offer a Mobile Home Water Heater for rent that complies with Table 1 emission limits for up to six months prior to installing a Mobile Home Water Heater that complies with Table 2 emission limits provided the manufacturer, distributor, retailer, or Installer report the date the temporary Mobile Home Water Heater was rented through the Compliance Portal no later than 72 hours after the date the temporary Mobile Home Water Heater was rented.

Technology Check-in

- ▶ Staff intends to conduct a technology check-in and report on the status of available zero-emission technologies for mobile homes by 2027
 - Check in with manufacturers on technology development
 - Assess progress at mobile home parks to increase available power
- ▶ Will be included in the Resolution
 - Legally required document detailing the Board's action on a rule
 - Summarizes findings made by staff needed to adopt or amend a rule

ATTACHMENT E

RESOLUTION NO. 24-_____

A Resolution of the Governing Board of the South Coast Air Quality Management District (South Coast AQMD) determining that Proposed Amended Rule 1146.2 – Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters qualifies as a later activity within the scope of the program approved earlier for the 2022 Air Quality Management Plan (AQMP) per California Environmental Quality Act (CEQA) Guidelines Section 15168 (c), and the Final Program Environmental Impact Report (EIR) for the 2022 AQMP adequately describes the activity for the purposes of CEQA such that no new environmental document will be required.

A Resolution of the South Coast AQMD Governing Board amending Rule 1146.2 – Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters.

WHEREAS, the South Coast AQMD Governing Board finds and determines that Proposed Amended Rule 1146.2 is considered a "project" as defined by CEQA; and

WHEREAS, the South Coast AQMD has had its regulatory program certified pursuant to Public Resources Code Section 21080.5 and CEQA Guidelines Section 15251(i), and has conducted a CEQA review and analysis of the proposed project pursuant to such program (South Coast AQMD Rule 110); and

WHEREAS, the South Coast AQMD Governing Board finds and determines that: 1) Proposed Amended Rule 1146.2 implements Control Measure C-CMB-01 – Commercial Water Heating which was previously adopted in the 2022 AQMP; 2) no subsequent EIR would be required per CEQA Guidelines Section 15168 (c)(2) because there are no new or modified physical changes that would result from implementing Proposed Amended Rule 1146.2 which were not previously analyzed in the Final Program EIR for the 2022 AQMP specific to Control Measure C-CMB-01; and 3) the Final Program EIR for the 2022 AQMP can be relied on for CEQA compliance; and

WHEREAS, the South Coast AQMD Governing Board finds and determines that Proposed Amended Rule 1146.2 is a later activity within the scope of the program approved earlier in the 2022 AQMP per CEQA Guidelines Section 15168 (c)(2), and the Final Program EIR for the 2022 AQMP adequately describes and analyzes the activities associated with implementing the proposed project for the purposes of CEQA such that no new environmental document will be required; and

Technology Assessment Text in Resolution

The technology check-in will be included as part of the Resolution included with the Governing Board Package such as:

*“**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board directs staff to report on the status of the zero-emission technologies for mobile homes by 2027 and conduct a technology assessment if there are potential challenges for any equipment category; and amend the requirements through the public process for applicable equipment categories if deemed appropriate”*

PAR 1121 Subdivision (g) Labeling and Reporting

- ▶ Added Subdivision (g) Labeling and Reporting
- ▶ Labeling requirement for units being sold between new and existing compliance dates

(g) Labeling and Reporting

- (1) Pursuant to the labeling schedule in Table 3, any Water Heater or Mobile Home Water Heater that is supplied or offered for sale for use in the South Coast AQMD prior to the applicable Table 2 compliance dates that complies with the Table 1 emission limits, but not the Table 2 emission limits, shall prominently display the statement “If Installed in South Coast AQMD: For Installation and Use in Existing Buildings Only.”

Table 3 – Labeling Schedule

<u>Equipment</u>	<u>Labeling Requirement</u>	
	<u>Start Date</u>	<u>End Date</u>
<u>Water Heater</u>	<u>January 1, 2026</u>	<u>January 1, 2027</u>
<u>Mobile Home Water Heater</u>	<u>January 1, 2026</u>	<u>January 1, 2030</u>

PAR 1121

Subdivision (g)

Labeling and Reporting

- ▶ Annual reporting requirement used as a compliance tool

- The manufacturer of any Water Heater or Mobile Home Water Heater manufactured for sale in the South Coast AQMD shall clearly display on the shipping carton and the name plate of the water heater:
 - Model number;
 - Date of manufacture; and
 - Certification status.
- Annual Reporting Requirement

Effective on and after the Table 2 compliance dates for Existing Buildings, manufacturers of natural gas-fired Unit(s) shall submit a report by March 1st of the following calendar year to the Executive Officer. The report shall include:

 - Name of the product manufacturer;
 - List of product model(s);
 - Number of Units and Rated Heat Input Capacity of each model that was sold into or within the South Coast AQMD; and
 - The applicable equipment category in Table 2.

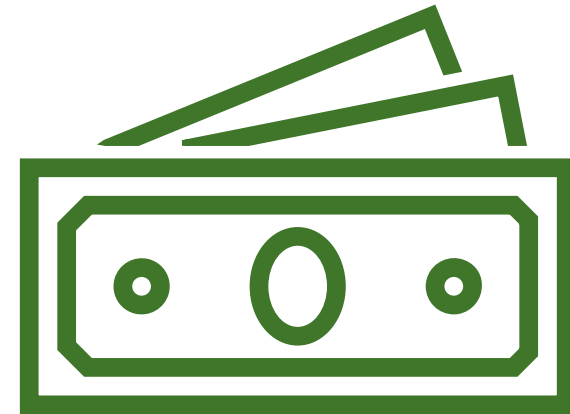
PAR 1121 Subdivision (h) Exemptions

- ▶ Revised exemptions for clarity

(gh) Exemptions

- (1) The provisions of this rule shall not apply to: Water Heaters used in Recreational Vehicles.
- (2) This rule does not apply to units subject to Rule 1146.2 – Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters.

Go Zero Rebate Program



Forthcoming Go Zero Rebate Program

- ▶ Staff is proposing to launch Go Zero, a pilot rebate program to incentivize zero-emission heat pumps for space and water heating
 - Will present program concept to Stationary Source Committee on June 21st
 - Planning to seek approval in August to release a Request for Proposal for third-party contractor(s) to administer the program



**Rebates for single family,
multifamily, and small
businesses**



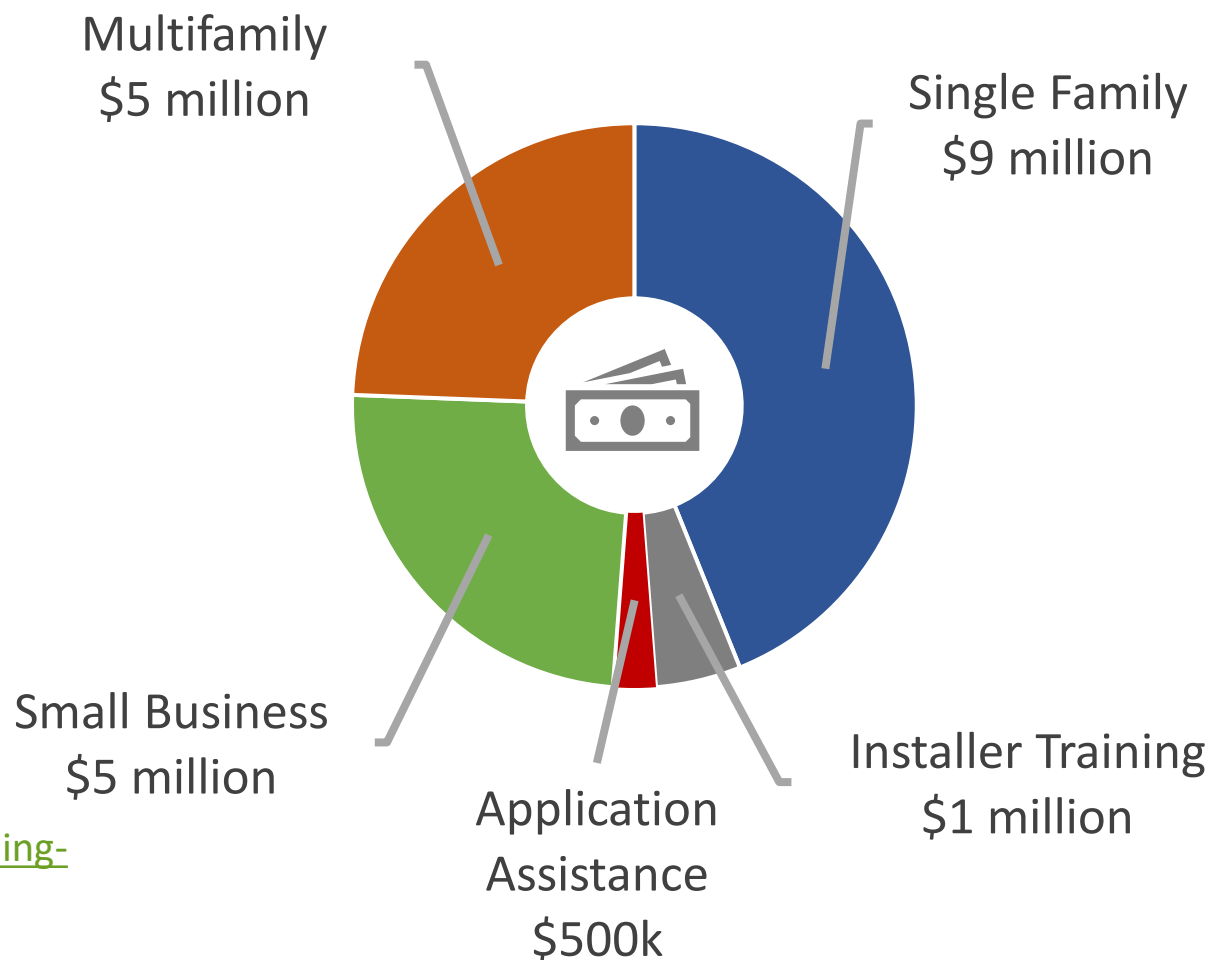
Funding for installer training



**Application assistance for
residents in overburdened
communities**

Proposed Go Zero Pilot Funding Levels

- ▶ The initial proposal is to fund the program with \$20.5 million, funded by Rule 1111 and Rule 1121 mitigation fees
- ▶ 75% of rebate funding to be allocated for overburdened communities (identified by CalEnviroScreen)



More information at:

<https://www.aqmd.gov/home/rules-compliance/residential-and-commercial-building-appliances>



Go Zero Rebate Amounts

Proposed rebates for the single family and multifamily programs:

Proposed Single Family Rebate Amounts

Community	Heat Pump HVAC	Heat Pump Water Heater
General (Any)	\$1,500	\$1,000
Overburdened	\$3,000	\$2,000

Proposed Multifamily Rebate Amounts*

Community	Heat Pump HVAC	Heat Pump Water Heater
General (Any)	\$1,500-\$2,000	\$1,000-\$2,000
Overburdened	\$3,000-\$4,000	\$2,000-\$4,000

*Total cap for each property \$300,000; or 30-50% of project cost

Next Steps



Next Steps

Release preliminary draft rule language for discussion

Continue Working Group Meetings

Conduct site visits and hold stakeholder meetings

Release Request for Proposal for pilot rebate program to incentivize early transition to zero-emission technologies

Anticipated Public Hearing: 4th Quarter 2024

Sign Up for Notifications

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- To receive newsletter updates via email for notifications regarding the 1111 and 1121 rule development and other forthcoming building appliances rules, please subscribe by checking the **Rule 1111**, **Rule 1121**, and **Building Appliances** check boxes located under Rule Updates:

<http://www.aqmd.gov/sign-up>

- To receive printed copies of South Coast AQMD publications via mail, please visit:

<http://www.aqmd.gov/nav/contact/subscription-services>

The screenshot shows the top portion of a web form titled "Sign Up". Below the title is a paragraph of introductory text. Further down, there are two lines of text: "If you wish to receive daily pollution forecasts or alerts for specific pollution levels in your area, sign up for Air Alerts." and "For printed copies of South Coast AQMD publications that mailed to you, please visit Subscription Services (charges may apply).". A blue bar with the text "Enter the following information:" is highlighted with a red circle. Below this bar are four input fields: "Email Address:", "Re-Enter Email Address:", "First Name (optional):", and "Last Name (optional):". At the bottom of the form, a blue bar contains the instruction: "Subscribe by checking the box adjacent to the E-Mail List(s) you are interested in and then CLICK on the Subscribe button below:".

The screenshot shows the "Rule Updates:" section of the form. It features a blue header bar with the text "Rule Updates:". Below this, there are three rows, each with a checkbox and a label. The first row has a red circle around the checkbox and the label "Building Appliances". The second row has a red circle around the checkbox and the label "Rule 1111". The third row has a red circle around the checkbox and the label "Rule 1121". To the right of each checkbox is a description of the rule or service.

Rule Updates:	Description
<input type="checkbox"/> Building Appliances	Working Group for Residential and Commercial Building Appliances
<input type="checkbox"/> Rule 1111	Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces
<input type="checkbox"/> Rule 1121	Control of Nitrogen Oxides from Residential - Type, Natural-Gas-Fired Water Heaters

Staff Contact

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