

Best Available Control Technology (BARCT) Rule Development by VCAPCD (AB 617)

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Background

- **AB 617**
 - Requires BARCT Implementation Schedule
 - Adopted by VCAPCD Board on December 11, 2018
- **Defined in California Health and Safety Code, Section 40920.6**
 - An emission limitation that is based on the maximum degree of reduction achievable, taking into account environmental, energy, and economic impacts for each class or category of source.
- **BARCT Cost Effectiveness Threshold**
 - Amended November 12, 2019
 - ROC threshold of \$30,000 per ton
 - NOx threshold of \$39,000 per ton



VC BARCT Applicable Rules & Implementation Schedules

- Rule 74.23-Gas turbine rules – Adopted in 2019
- Rule 74.15 -Boilers & Process heaters – Adopted in 2020
- Rule 71 – Crude Oil & ROC Liquids – Adopted in 2021
- Rule 71.3 – Bulk loading – Adopted in 2021
- New Rule – Flare – 2022
- Rule 74.10 - Fugitive components – 2023



VCAPCD BARCT Rule Summary

Rule	Old Requirement	New Requirement	Emission Reductions	# of Affected Facilities
74.23 - Gas Turbines	24 ppm NOx	2.5 ppm NOx	109 TPY NOx	7
74.15 - Boilers/Process Heaters	40 ppm NOx	9 ppm NOx for Boilers & 12 ppm NOx for process heaters	6 TPY NOx	44
71.3 - Loading Racks	10,000 ppm leak & 90% Vapor Control	1,000 ppm leak & 95% vapor Control	1 TPY ROC	54

