

# WHAT EVERY BOAT OWNER SHOULD KNOW

## Cleaner Air & Water in

### FACTS ABOUT CALIFORNIA'S NEW MARINE ENGINE STANDARDS

#### **Cleaner watercraft, cleaner air, cleaner water**

In December 1998, the California Air Resources Board adopted standards to reduce smog-forming exhaust emissions from outboard motors and personal watercraft. The standards:

- **Require cleaner engines.** Beginning with 2001 models, new outboard engines, personal watercraft and jet boats must be 75% cleaner. By 2008, they must be 90% cleaner. Some of today's engines already meet the 2001 standards.
- **Do not restrict boating** on lakes or rivers. Water agencies manage access to lakes, rivers and reservoirs to protect or improve drinking water supplies. The new cleaner-burning engines could help ensure continued recreational use of many waterways.
- **Do not ban the use or sale** of any existing outboard engines or personal watercraft. The standards are based on exhaust emission levels and do not ban any engine type or technology.
- **Do not restrict the sales** of any type of new outboard engine or personal watercraft prior to 2001. Starting in 2001, pre-2001 engines can still be traded in or sold without restriction.
- **Do not apply** to stern drive, inboard or diesel engines.

## Some engines pollute more

Carbureted 2-stroke engines exhaust up to 30% of their fuel unburned. Although the exhaust may go into the water, some of it ends up in the air and can form smog. Other substances remain in the water and can threaten drinking water supplies.

## Cleaner engines benefit everyone

You don't have to wait until 2001 to buy a cleaner engine. Direct-injected 2-stroke and 4-stroke engines that meet the 2001 standard are already on the market. They offer:

- Reduced air and water pollution for a healthier environment
- Improved fuel economy (cleaner engines will burn 30-40 % less gas and oil)

## Look for the star label

Starting with 2001 models, new engines will be labeled based on exhaust emission levels. The level shown on the label – low, very low or ultra low emissions – will help consumers shopping for an engine or watercraft. The label may also be used by water agencies to identify engines clean enough for use on local lakes and rivers.



## Get the Facts

For more information, contact:

### California Air Resources Board

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California Environmental Protection Agency

 **Air Resources Board**

[www.arb.ca.gov](http://www.arb.ca.gov)



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