

## What Manufacturers Need to Know

The [California Appliance Efficiency Regulations](#) (Title 20), combined with federal appliance standards, set minimum efficiency levels for energy and water consumption in appliances. When adopting new Title 20 standards, the California Energy Commission (CEC) conducts a public engagement process to ensure the new standards are technically feasible and cost-effective.

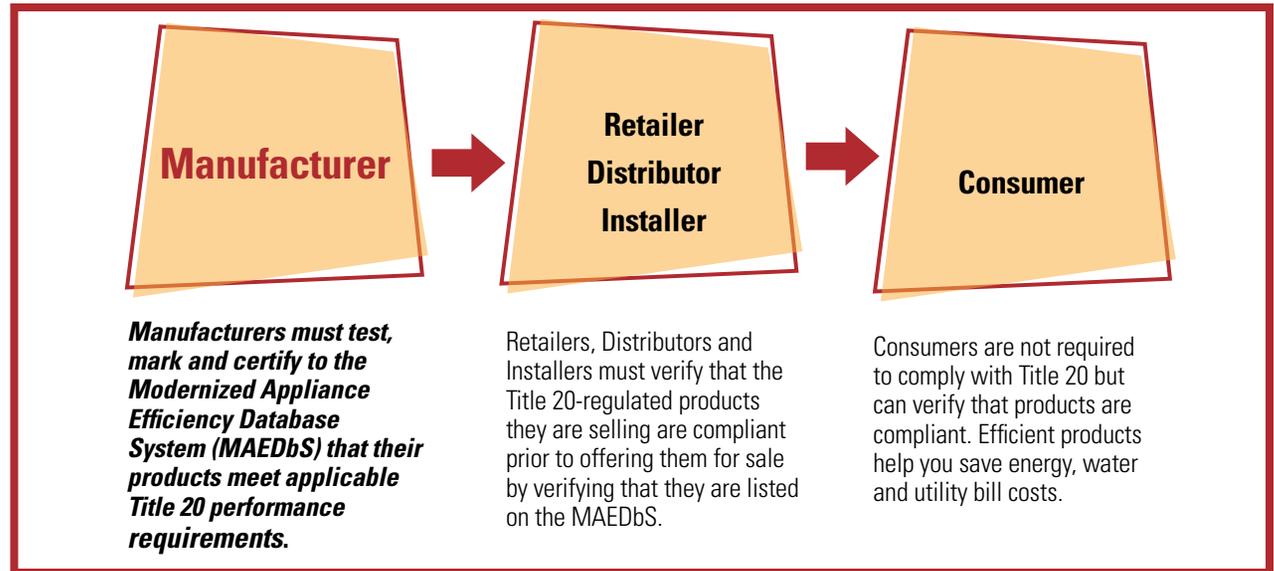
Title 20 currently regulates about 26 general product categories, including:

- Air conditioners, heating equipment and fans
- Battery charger systems
- Clothes washers and dryers
- Computers and monitors
- Cooking products and food service equipment
- Dishwashers
- Distribution transformers
- Electric motors
- External power supplies
- Irrigation products
- Lighting products
- Plumbing fittings and fixtures
- Pool and spa equipment
- Refrigerators, refrigerator-freezers and freezers
- Televisions, and consumer audio and video equipment
- Water heaters

For certain Title 20 regulated products, manufacturers do not have to meet performance requirements, only testing, marking and certification requirements. These products include:

- Commercial ovens
- Commercial range tops
- Evaporative coolers
- Infrared gas space heaters
- Oil furnaces
- Residential exhaust fans
- Spot air conditioners
- Whole house fans

For more information, see the Energy Code Ace fact sheet on [Title 20 Test and List Products](#).



**Figure 1.** Title 20 Supply Chain – Your Role

## What's my role?

Before selling Title 20-regulated products in California, manufacturers must:

- Test their regulated products using the required methods
- Certify the test data and other required information to the CEC's Modernized Appliance Efficiency Database System ([MAEDbS](#)), ensuring that such data and information are true and accurate AND
- Mark the product with the required identification and appliance-specific information

Once the CEC receives accurate test data, the product is reviewed for compliance with the performance standards and other requirements. If the product is compliant, it is listed in the MAEDbS, which means it can be legally sold or offered for sale in California. If the product is not compliant, the manufacturer can either redesign the product to meet the performance requirements or only sell the product outside of California.

## How do I certify my products?

The CEC provides [certification packets](#) for each product category which give general information on the MAEDbS certification instructions, appliance specific instructions and appliance specific Excel templates. In addition, Energy Code Ace provides an [on-demand training](#) which demonstrates how to register an account, document adding appliances, modify appliances and more.

## Why does compliance matter to me?

If manufacturers do not test, mark and certify their regulated products in the MAEDbS but continue to sell their products in California, the CEC can administer fines up to \$2,500 per noncompliant product. By complying with all Title 20 requirements, manufacturers will avoid enforcement fines, gain access to a leading consumer appliance market and ensure that their customers have efficient appliances that are affordable, reliable and environmentally friendly.

## Why is Title 20 important?

Rising energy and water costs, along with growing climate change concerns make appliance efficiency increasingly important to everyone, including manufacturers – and those who buy and sell your products.

### Saving Money

Not only does energy and water efficiency benefit our environment, it also helps consumers save money on utility bills – more than an estimated \$5.7 billion annually across California!

### Saving the Environment

As California's population has grown, electricity usage has nearly doubled. Similarly, the increased demand for water makes conservation critical in our drought-prone state. In 2017, the California Energy Commission estimated that appliance standards save Californians more than 34,000 GWh of electricity annually, resulting in a reduction of GHG emissions equivalent to those from 5.2 million passenger vehicles. Annual water savings are estimated at as much as 277 billion gallons. That's more water than a city of 100,000 would use in 73 years.

## If the supply chain complies with Title 20, California consumers can save...



**34,000+ GWh**  
annually

*equivalent to roughly*

**5 million cars**  
off the road



**\$5.7+ billion**  
annually in energy bill savings

*equivalent to roughly*

**25%** of Californians' total  
annual utility bills for electricity



**277+ billion**  
gallons of water annually

*equivalent to the indoor  
water needs of*

**a city of 100,000**  
for 73 years



# For More Information

## CALIFORNIA ENERGY COMMISSION

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

### **Appliances Call Center**

Call: (888) 838-1467 or outside California (916) 651-7100

Email: [Appliances@energy.ca.gov](mailto:Appliances@energy.ca.gov)

### **California Appliance Efficiency Standards Site**

[bit.ly/Title-20-Regulations](http://bit.ly/Title-20-Regulations)

### **Modernized Appliance Efficiency Database (MAEDbS)**

[bit.ly/MAEDbS](http://bit.ly/MAEDbS)

### **MAEDbS Appliance and Company Search Database Instructions**

[bit.ly/3zd5eP1](http://bit.ly/3zd5eP1)

### **MAEDbS Enhancements and Improvements**

[bit.ly/3HmpbG6](http://bit.ly/3HmpbG6)

### **MAEDbS Certification Packets**

[bit.ly/3X8Ebjd](http://bit.ly/3X8Ebjd)



[EnergyCodeAce.com](http://EnergyCodeAce.com)

Online “one-stop-shop” with no-cost tools, training and resources on compliance requirements of Title 24, Part 6 and Title 20

Email: [title20@energycodeace.com](mailto:title20@energycodeace.com)



### **Tools**

Interactive tools to help you understand the compliance process, required forms, installation techniques and energy efficiency regulations applicable to building projects and appliances in California

### **Timeline Ace**

[energycodeace.com/timeline](http://energycodeace.com/timeline)

An interactive tool for schedules of Title 24, Title 20 and Federal code changes

### **Title 20 Reference Ace**

[energycodeace.com/content/reference-ace-t20-tool](http://energycodeace.com/content/reference-ace-t20-tool)

Tool to help navigate the Title 20 Regulation documents



### **Training**

Portfolio of on-demand and live (in-person and online) training options

### **Title 20 Training Courses**

[energycodeace.com/content/title-20-training/](http://energycodeace.com/content/title-20-training/)



### **Resources**

Downloadable materials with guidance on how and when to comply with California’s building and appliance energy efficiency standards

### **Fact Sheets**

[MAEDbS 101](#)

[Title 20 Test and List Products](#)

**Create an account on the Energy Code Ace site and select an industry role for your profile in order to receive messages about all our offerings!**



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