



The  
**LAND ...**



The  
**SEA ...**



The  
**WIND ...**



The  
**SUN ...**

**HAWAI'I'S CLEAN ENERGY EQUATION**

**Conserve**

Use what we need efficiently

**+ Convert**

Harness what we have wisely

**= 70%**

Hawai'i  
Powered  
clean energy  
by 2030

Energy independence ...

**it's up  
to us.**



Prepared by the National Renewable Energy Laboratory (NREL)  
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Today imported oil supplies 90% of Hawai'i's energy, making ours the most oil-dependent state in the nation. **In fact, we are four times more dependent on oil than any other state.** And our demand for energy is increasing rapidly.

## Importing oil to meet this demand is not sustainable.

The heavy emphasis on oil to meet our energy needs threatens our most precious resources—the land, the air, and the water that sustain us, and the fish and wildlife that are critical to maintaining a balanced ecosystem.

In addition, our reliance on oil, which tends to fluctuate wildly in cost, threatens our economy. In July 2008, when world oil prices soared to nearly \$150 a barrel, gas prices in Hawai'i surpassed \$4 per gallon. The 2008 energy crisis was just one element in a perfect storm that wreaked havoc across our islands. Tourists either stayed home or spent less. Long-standing businesses closed down. Bankruptcies spiked. Many people lost their jobs and their homes. The government was forced to cut services.

Meanwhile, we spent some \$7 billion outside Hawai'i to meet our energy needs.

That's money that could be spent preserving our parks and beaches, improving our roads, increasing the quality and accessibility of our healthcare services, creating new jobs, and educating our children. Simply put, it's money we could be investing in our future.

*All signs point to one unmistakable conclusion: **We must alter our course.***

“[Future generations] have a right to expect energy security. They have the right to expect stable and lower energy costs, and a cleaner environment. They have the right to expect higher-paying, green-collar jobs that come with a thriving new energy sector.”

— Gov. Linda Lingle | *State of the State address*  
January 2009

## Charting a New Course Toward Energy Independence

The Hawai'i Clean Energy Initiative is leading the way to energy independence for Hawai'i. Formed in 2008, this partnership between the U.S. Department of Energy (DOE) and the State of Hawai'i aims to help transform the way we meet our energy needs.

Our goal is to meet 70% of our energy needs with clean energy by 2030. That's a lot to achieve within one generation, but it can be done if we all work together.

## How Do We Get There from Here?

To reach our clean energy goal, we must focus on two things:

- ☀ *Reducing our energy use*
- ☀ *Developing our indigenous, renewable energy sources.*

## Conserve

The people of Hawai'i have an important role to play in helping to achieve our goal. Taking care of the land and one another is our obligation to our communities, our children, and our grandchildren. It is up to us. We need to do our part. Each of us can take steps to use energy more efficiently—at home, on the road, in our schools and places of business, and in our communities.

## Convert

Hawai'i is rich in natural resources that have the potential to free us from our dependence on imported oil. The abundant sunshine, strong trade winds, surrounding ocean, geothermal activity, temperate climate, and year-round growing season that make Hawai'i such a special place can all be tapped to produce our own sustainable sources of energy.

## How Will Future Generations Experience Hawai'i?

The Hawai'i Clean Energy Initiative will strengthen Hawai'i's economy, increase our energy security, help ensure a cleaner, more sustainable environment for future generations, and make Hawai'i a world model for energy independence.