1,192 Solar Electric Panels
437,000 kilowatt hours per year
460,000 lbs. of carbon pollution eliminated annually
18,400 lbs. CO₂
For centuries, atmospheric carbon dioxide had never been above this line.
Global Temperature and Carbon Dioxide

Global temperature data averaged and adjusted to early industrial baseline (1881-1910).
Source: NASA GISS, NOAA NCEI, ESRL
Comparing the world’s energy resources*:

Where should we invest
For the long haul?

YEARLY potential is shown for the renewable resources. TOTAL “use it lose it” reserve is shown for the finite fossil and nuclear resources.

World energy use is annual
Germany Achieves Milestone – Renewables Supply Nearly 100 Percent Energy for a Day

May 16, 2016

By Jessica Shankleman, Bloomberg

Clean power supplied almost all of Germany’s power demand for the first time on Sunday, marking a milestone for Chancellor Angela Merkel’s “Energiewende” policy to boost renewables while phasing out nuclear and fossil fuels.

Solar and wind power peaked at 2 p.m. local time on Sunday, allowing renewables to supply 45.5 GW as demand was 45.8 GW, according to provisional data by Agora Energiewende, a research institute in Berlin. Power prices turned negative during several 15-minute periods yesterday, dropping as low as minus 50 euros ($57) a MWh, according to data from Epex Spot.
Photovoltaic Solar Resource of the United States

Annual average solar resource data are shown for a tilt = latitude collector. The data for Hawaii and the 48 contiguous states are a 10km satellite modeled dataset (SUNY/NREL, 2007) representing data from 1998-2009.

The data for Alaska are a 40 km dataset produced by the Climatological Solar Radiation Model (NREL, 2003).

This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy.

Billy J. Roberts
19 September 2012

NATIONAL RENEWABLE ENERGY LABORATORY
A new fleet of all-electric ferries with massive battery packs is going into production

Fred Lambert - Mar. 5th 2018 11:05 am ET  @FredericLambert

All-electric ferry cuts emission by 95% and costs by 80%, brings in 53 additional orders

Fred Lambert - Feb. 3rd 2018 1:57 pm ET  @FredericLambert
First electric cruise ship hopes to turn the tide in war against ocean pollution

“We know passengers don’t want to visit beautiful, pristine places on an operator that is not taking the nature they sail to seriously,” said the cruise company’s CEO.
‘It’s the beginning of the end’ for internal combustion engines, says UPS as it updates its fleet to electric.

1,500 New York City UPS trucks being converted to zero emission battery electric.
Amazon orders 100,000 electric trucks to fight climate change

Amazon aims to reach net zero carbon emissions by 2040.

TIMOTHY B. LEE - 9/19/2019, 5:40 PM
Apple Facilities Powered Entirely by Clean Energy

Tech giant Apple says its global facilities are now powered with 100 percent clean energy.
Daytime Power Demand Dipped Below Night For A Moment — And New England Solar Advocates Are Cheering

By FRED BEVER • 20 HOURS AGO

PROGRAM
Maine Things Considered
Historic Dip in Midday Demand Follows Record-High Solar Power Output on April 21, 2018

A sunny spring day pushed distributed solar output to an estimated record high of 2,309 MW at 1:30 p.m. and drove down electricity demand on the regional power system. In effect, New England consumers were using more grid electricity while they slept than in the middle of the day. (Data subject to adjustments.)

Source: ISO New England
The 100% Solar Household
Affordable Technology Replaces Fossil Fuels

- Solar Panels make 30+ years of clean electricity
- Electric Car charged by solar, eliminating gas
- Electric Heat Pump eliminates propane, oil and gas
- Electric Water Heating provides solar powered hot water
- Battery Storage powers home in outages
- Excess energy earns you credit and benefits neighbors
Power for Good: Leveraging Impact Investing to Help Nonprofits Go Solar

Maine B Corp Installs Equipment at No Cost for Schools, Nonprofits and Municipalities
“Every cent that we save on this electric bill will go to scholarships for kids who need help. That’s the biggest win for us.”

Glenn Cummings, President, Goodwill Hinckley School
ReVision Energy Ranked #1 for Solar in New England, #5 in U.S.

Solar Power World magazine rates ReVision the #1 rooftop solar contractor in New England