USVI Makes Headway Toward Goal to Reduce Fossil Fuel 60% by 2025

Utility Diesel Usage (million barrels of oil per year)

2008 — 2.43

Oil prices spike to over **$145/barrel** and price of electricity exceeds **$0.50/kWh** in U.S. Virgin Islands (USVI)

Energy Development in Island Nations (EDIN) partnership is launched

2009 — 2.39 — **2% reduction**

Act 7075 establishes net metering and calls for 30% peak power from renewables by 2025

EDIN-USVI project is launched

2010 — 2.44 — **1% increase**

In 3rd most active hurricane season on record, **Earl** hits USVI

USVI announces goal to reduce fossil fuel use **60%** by **2025**

USVI signs memorandum of understanding with U.S. Departments of Energy and the Interior to reduce fossil fuel use

2011 — 2.26 — **7% reduction**

First utility-scale solar project

Vl*energize* partnership launched to advance the 60x25 goal

2012 — 2.18 — **10% reduction**

WAPA begins developing Vl*energize* Services Network to assist customers in implementing energy efficiency

WAPA reduces fossil fuel use by improving effiency of water and power production

2013 — 1.94 — **20% reduction**

WAPA signs agreement to move from diesel to **propane,** lowering fuel costs by an estimated **30%** and greenhouse gas emissions by **15%**

Streamlined interconnection and net-metering processes lead to nearly **10 MW** of new, distributed solar and wind

2014

USVI provides leadership to Carbon War Room's 10 Island Challenge

GOAL — **60% reduction** — **2025** — 0.97

Virgin Islands Water and Power Authority (WAPA) signs waste-to-energy (WTE) power purchase agreement (PPA)

Virgin Islands Energy Office (VIEO) launches Sun Power Loan Program

WAPA installs waste heat recovery plant, adding **19 MW** of power without burning a single drop of additional oil

VIEO awards nearly **$1 million** to USVI nonprofits for energy efficiency and renewable energy projects

Working groups are formed to develop detailed road map to 60x25

Vl*energize* campaign is launched

EDIN Energy Development in Island Nations — U.S. Virgin Islands

Groundbreaking for **451-kW** solar PV system at Cyril E. King Airport, St. Thomas

Energy savings performance contracting company (ESCO) completes upgrades, saving USVI schools an estimated **$1.7M/year**

WAPA expands use of reverse osmosis, a more efficient way to desalinate water

Feasibility study on the potential of an undersea cable connecting the USVI, BVI, and Puerto Rico

Department of Public Works replaces traffic lights with light-emitting diodes (LEDs)

VI Senate cancels WTE project; VI Waste Management Authority breaks ground on **800-kW** Bovoni landfill gas project

Hovensa refinery shuts down

WAPA adopts improved interconnection process to increase the speed and scale of renewable energy adoption in the USVI

Study shows the St. Thomas and St. Croix systems are capable of handling a combined **45 MW** of wind and solar without adversely affecting grid stability

WAPA receives grant to install advanced metering infrastructure

WAPA installs 972 LED street lights

WAPA signs PPA for **7 MW** biomass anerobic digester

VIEO announces installation of more than **900** solar water heating systems since SunPower Loan Program launched in March 2010

4-MW solar project breaks ground on St. Croix

University of the Virgin Islands signs **3-MW** solar PPA

Some hotels drop off the grid and rely on generators

VIEO completes collection of **1 year** of "bankable" wind data on St. Thomas and St. Croix

WAPA releases new solar RFP to replace failed PPAs

ESCOs begin work to improve efficiency of hospitals and health centers

100-kW wind tubine installed at Lorraine Village Apartments on St. Croix — the largest in the territory

LEGEND

Solar · Waste-to-Energy Landfill Gas · Biomass · Wind · Grid · Energy Efficiency

Renewable Energy · Energy Efficiency · Grid