

# Brookhaven Landfill Becomes a Model for Sustainable Redevelopment

## ● PROPERTY AT A GLANCE

### Reviving Brookhaven's Legacy Land

The Brookhaven site operated as Long Island's final active municipal landfill, receiving and compressing waste for decades until reaching its closure phase. With portions capped and sealed, the Town of Brookhaven envisioned repurposing the remaining acreage for sustainable use. Its location, infrastructure, and capped status made it an ideal candidate for renewable redevelopment, setting the stage for its transformation into an 8.6 MW solar farm

#### COAST'S IMPACT

**240 GWh**

of clean energy generated over 20 years (enough to power 1,200+ homes annually)

**35 Acres**

of dormant land transformed into a clean-energy asset.

**\$0**

investment by the client



## ● REIMAGINING WHAT'S POSSIBLE

### Navigating a complex site

With landfill membrane restrictions prohibiting ground penetration, conventional solar construction was off the table. Coast Energy's solution needed to balance environmental protection with tangible community and economic benefits, ensuring the site would generate clean, reliable power for decades to come.

## ● INNOVATIVE APPROACH

### Building Without Breaking Ground

To build safely on a capped landfill, Coast Energy engineered a non-penetrating solar system secured by 1,925 concrete ballast blocks. The 8.6 MW array spans 35 acres and uses over 16,000 panels. Partnering with Ion Renewables and the Town of Brookhaven, Coast delivered a technically complex project that also bolstered the local economy through 190 days of continuous precast production.

● POWERING LONG-TERM PARTNERSHIP

## The system we operate



**35 acres** of capped landfill converted into renewable generation space



**190 consecutive days** of local concrete production and job support



**Integration** with existing NG fuel cell, creating a green co-generation facility



**Home to diverse wildlife**, including turkeys, coyotes, and snowy owls

● BROOKHAVEN PROJECT PARTNERS

TOWN OF  
**BROOKHAVEN**  
NEW YORK



The collaboration between the Town of Brookhaven and Coast Energy is another big step toward creating the energy park at our Yaphank waste management facility that has been our goal for many years. We have been at the forefront of alternate sources of green energy that are more efficient, cost effective and better for the environment than fossil fuels. **Now, with Coast Energy on board, we can expect to maintain and strengthen our position as a leader in green energy.**

ED ROMAINE, BROOKHAVEN TOWN SUPERVISOR

● WORKING WITH COAST

## Our partnership doesn't end there

From opportunity assessment and solution financing to installation and operation, we care for it all.



Let's discuss a custom, value-add energy strategy at [coastenergy.com](https://coastenergy.com)