



Altadena Pilot – Phase 1 Deployment Dossier

SWISSX | St. John's, Antigua & Barbuda

Project Overview

Deployment of high-temperature carbonized biochar (~80% fixed carbon) for soil regeneration, carbon sequestration, and disaster recovery in Altadena, California.

Metric	Value
Total Material	600 kg
Stable Carbon	≈ 480 kg
CO ₂ Sequestration	≈ 1.75 tonnes CO ₂ e
Coverage	≈ 8,000 sq ft per lot

Funding & Incentives

USDA NRCS (EQIP/CSP): Estimated 30%–75% reimbursement on eligible soil amendment costs.

FEMA: Potential eligibility under disaster recovery and hazard mitigation frameworks.

Carbon Value

Approx. 1.75 tonnes CO₂e sequestered. Estimated voluntary market value: \$35–\$90.

SWISSX Token Mechanism: Carbon may be tokenized and exercised for environmental benefit.

Compliance Summary

Material is sterilized, inert biochar (non-hazardous), tested by Dunbars Laboratory, Antigua.