Project Brief

Sustainable Infrastructure CI

TIMELINE: April 1 2023 - ??? BUDGET: Volunteer Funded

PROBLEM:	 Recently I configured some cloud storage at work using Terraform The configuration I created could have been much more environmentally friendly It could have been configured with less replication It could have been configured to be in a low carbon region I didn't notice this mistake until later and now it is difficult to change resource "google_storage_bucket" "my_bucket" { name = var.bucket_name location = "EU" storage_class = "STANDARD" versioning { enabled = true pabled = true pabled = true
SOLUTION:	 A Github action that fails your Terraform changes when resource configurations could be easily made more environmentally friendly The Github action can be configured to only suggest changes that increase price by a configurable percentage The action suggests the best configuration so the fix can be easily applied
TRACTION:	 To jumpstart growth we will identify potential users on Github using repository search We will solicit potential users directly (likely using Github issues) to onboard the Github action In some cases we will perform the integration work needed to onboard users (but we prefer them to perform that work)
GROWTH:	Potential users will discover Sustainable Infrastructure CI by visiting Github repositories that are onboarded and, seeing our Github badge. Sustainable Infrastructure Grade A