

# PILOT EXECUTION PLAN: Texas County Water Stabilization

**Jurisdiction:** Guymon & Hooker, OK (FIPS 40139) **Duration:** 90 Days **Taxpayer Cost:** \$0.00 (Funded via Developer Compliance Fees)

## THE OBJECTIVE

To deploy the Green Code Protocol across Guymon and Hooker's municipal water infrastructure to identify Non-Revenue Water (NRW) leaks, while simultaneously passing the "Symbiotic Mandate" to regulate incoming data center water extraction.

### PHASE 1: The Acoustic Baseline (Days 1–30)

**Focus:** Finding the Internal Bleed

- **Action:** Deployment of fifty (50) 140 Hz acoustic IoT sensors on primary municipal trunk lines and critical wellheads drawing from the Ogallala Aquifer.
- **Execution:** Sensors are clamped non-invasively to existing valves and hydrants. No digging required.
- **Deliverable:** At Day 30, the City Council receives a GPS-mapped "Bleed Report" showing exactly where the estimated 20% NRW loss is occurring beneath the streets.

### PHASE 2: The Regulatory Shield (Days 31–60)

**Focus:** Stopping the External Bleed

- **Action:** City Councils pass the **Symbiotic Mandate Ordinance**.
- **Execution:** Any data center developer actively seeking zoning or utility permits must submit to the hardware and water audit. They are legally barred from using open-loop evaporative cooling (groundwater extraction) and must prove Zero-Liquid Discharge (ZLD) capability.
- **Deliverable:** Collection of the first **\$150,000 Pre-Build Audit Fees** from pending developers. These funds are immediately routed to cover the cost of the Phase 1 acoustic sensor deployment.

### PHASE 3: The Restoration Dividend (Days 61–90)

**Focus:** Proving the 10:1 ROI

- **Action:** Municipal works departments use the Day 30 "Bleed Report" to execute targeted, 2-foot pipe repairs at the exact GPS coordinates of the highest-volume leaks.
- **Execution:** The ZKP (Zero-Knowledge Proof) dashboard goes live, showing the public exactly how many gallons of water were saved that day.
- **Deliverable:** The Pilot concludes with a hard metric: *X million gallons of water saved, fully paid for by Silicon Valley developers, resulting in zero net-extraction from the Ogallala Aquifer for new tech growth.*

**Post-Pilot (Day 91+):** The system transitions from a "Pilot" to "Standard Operations."  
Developers pay the ongoing \$15,000/month compliance fee to keep the sensor mesh active permanently.