

MUNICIPAL BRIEFING: Texas County Water Stabilization

To: City Councils of Guymon & Hooker, OK **Subject:** Stopping Aquifer Depletion & Managing Data Center Growth

Councilmen, Right now, the Texas County water supply is bleeding from two different arteries. The **Green Code Protocol** is a two-step tourniquet designed to stop that bleeding without raising taxes on your residents. Here is exactly how it works.

1. STOPPING THE INTERNAL BLEED (Fixing the Pipes)

The Problem: Like most rural infrastructure, Guymon and Hooker lose an estimated 18% to 22% of their treated water to "Non-Revenue Water" (NRW). This means water is pumped out of the Ogallala, treated at a high cost, and then leaks out of aging underground pipes before it ever reaches a home or a meter.

How We Fix It: We deploy the **140 Hz Acoustic Mesh**. We attach high-tech acoustic sensors to your main trunk lines and wellheads. These sensors "listen" to the water flow 24/7. They can pinpoint the exact GPS location of a micro-leak underground before the pipe bursts.

- **The Result:** Instead of pumping *more* water out of the aquifer to meet town demand, we simply recover the 20% you are currently losing into the dirt. We create a "new" water supply just by plugging the holes.

2. STOPPING THE EXTERNAL BLEED (Regulating the Data Centers)

The Problem: Massive data centers want to build in the Panhandle because land and wind energy are cheap. But a standard "Furnace" data center requires up to **367,000 gallons of water a day** to run evaporative cooling towers. They take your groundwater, turn it into steam to cool their servers, and the water is gone forever.

How We Fix It: We pass the **Symbiotic Mandate Ordinance**. If a tech company wants to build in Guymon or Hooker, they cannot use evaporative cooling. They are required to use **Zero-Liquid Discharge (ZLD)** closed-loop systems.

- **The Result:** They must recycle the exact same water inside their facility over and over again. They do not get to drain the Ogallala Aquifer to cool their servers. If they want to cool their machines, they have to clean and reuse their own water.

3. WHO PAYS FOR IT? (The 10:1 ROI)

This does not cost the Texas County taxpayer. It is funded by the developers.

- **The Developer Fee:** Tech companies pay a \$150,000 Pre-Build Audit Fee and a \$15,000/month Compliance Fee to build in your jurisdiction.

- **The Dividend:** That \$15,000 a month pays for the acoustic sensors on the town's pipes.
- Summary for the Council:** We force the Silicon Valley developers to pay for the leak-detection technology that fixes Guymon's aging pipes. The data centers get to build, the town gets upgraded infrastructure for free, and the Ogallala Aquifer is protected from corporate evaporation. That is how we slow the bleeding.