

ENVIRONMENTAL IMPACTS OF GAS DRILLING



Presented to the City Council

By the City Manager's Office,
Texas Commission on Environmental Quality, and
Environmental Management Department

January 12, 2010

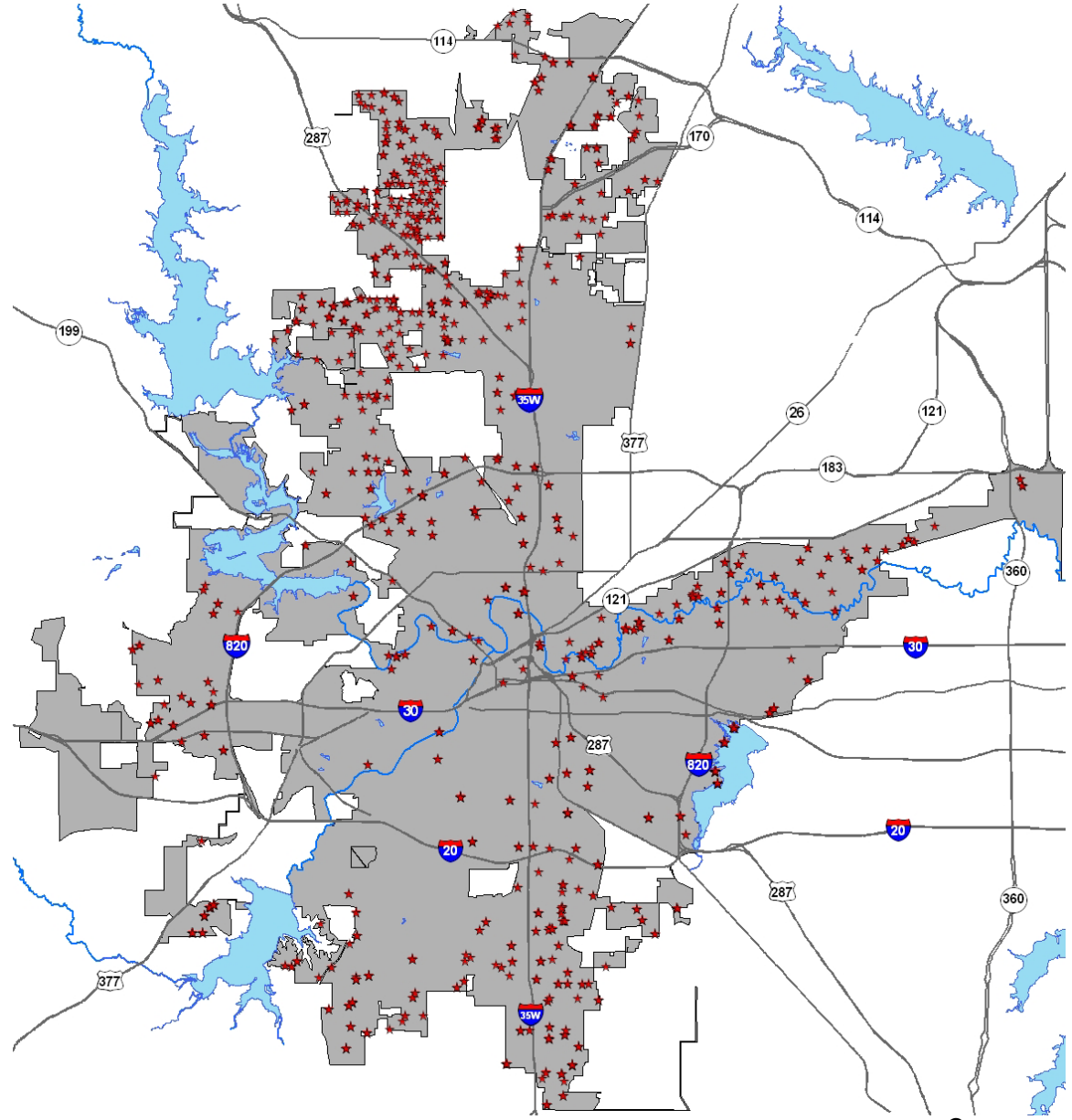
OUTLINE

1. Introduction **Fernando Costa**
Assistant City Manager
2. Results of Recent Air Quality Testing **John Sadlier**
Deputy Director for Compliance and Enforcement
Texas Commission on Environmental Quality
3. Complaint and Investigation Procedures **John Sadlier**
4. Water Quality Impacts **Brian Boerner**
Environmental Management Director
5. Questions and Answers All

GAS WELLS

| | |
|-----------------------|--------------|
| Permitted & Producing | 1,551 |
| Applying | 50 |
| Abandoned | <u>30</u> |
| TOTAL | 1,631 |

As of 1/8/10



WHO DOES WHAT TO REGULATE GAS DRILLING

| Regulatory Activity | Railroad Commission of Texas | Texas Commission on Environmental Quality | City Council | Planning and Development | Environmental Management | Transportation and Public Works | Water | Tarrant Regional Water District |
|---|------------------------------|---|--------------|--------------------------|--------------------------|---------------------------------|-------|---------------------------------|
| Approving gas well sites | ✓ | | ✓ | ✓ | | | | |
| Inspecting gas wells | ✓ | | | ✓ | | | | |
| Monitoring pipeline construction | ✓ | | | | | | | |
| Approving pipelines across City rights-of-way | | | ✓ | ✓ | | ✓ | ✓ | |
| Approving truck routes | | | | ✓ | | ✓ | | |
| Air quality testing and enforcement | | ✓ | | | | | | |
| Water quality testing | | ✓ | | | ✓ | | ✓ | ✓ |
| Water quality enforcement | | ✓ | | | ✓ | | | 4 |

STATE/LOCAL/PRIVATE COOPERATION

January 5 Meeting Participants

- Railroad Commission of Texas
- Texas Commission on Environmental Quality
- City of Fort Worth
- Major operators

Chesapeake

Devon

Quicksilver

XTO

- Texas Pipeline Association
- Barnett Shale Energy
Education Council

Purpose

- Coordinate urban and rural study efforts.
- Ensure consistency of scientific protocols.
- Establish TCEQ oversight.

Next Steps

- Form technical sub-committee.
- Develop study scope and protocols.
- Develop public education materials and communication plan.

