

BUILDING A WATER SUPPLY PIPELINE IN THE 21ST CENTURY

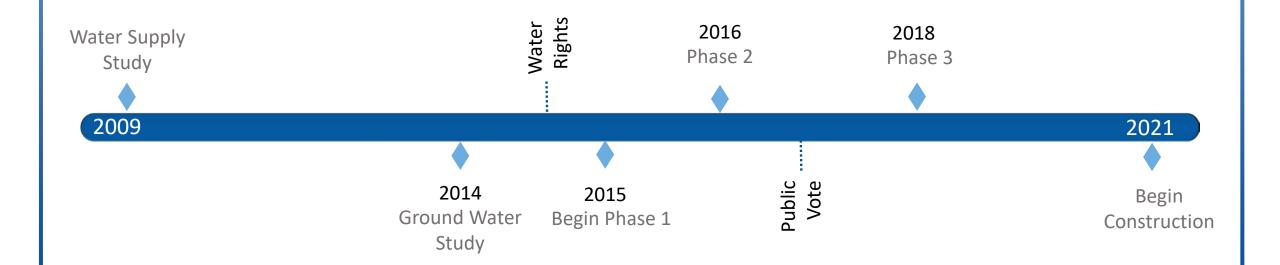




PURPOSE



- To Provide an Alternate Source of Drinking Water to Supplement the City's Current Supply
- To Reduce the Demand on the Groundwater Well Fields
- Diversification of the Water Supply Increases the Reliability of that Supply

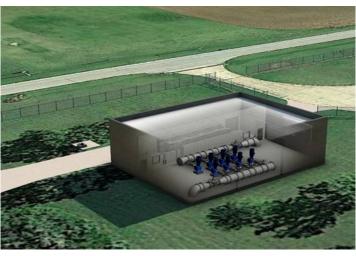


PROGRAM OVERVIEW



- Provide water from Kaw Lake to the City of Enid
- Major Components
 - Intake structure at Kaw Lake
 - 70 mile pipeline
 - Water Treatment Plant
 - Distribution System Connection











PHASING



07/2015 - 06/2016

Concept Development

Constraint Analysis

Stakeholder Coordination

PHASE

01/2017 -09/2018



Preliminary Engineering

Environmental Assessment

Public Involvement 10/2018 - 12/2020



Survey

Land Acquisition

Environmental

CMAR Selection

Permitting

PHASE

Final Design

Establish GMP

01/2021 - 07/2023



Bidding

Start-up and Commissioning

Program Closeout

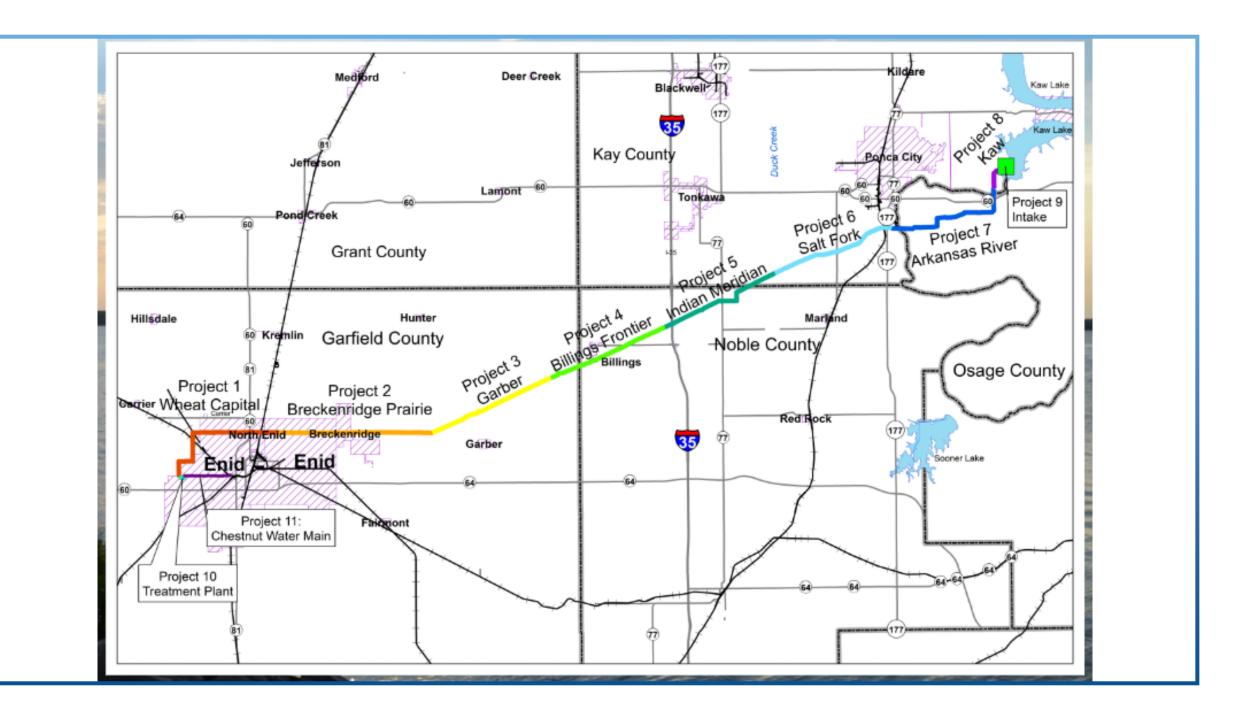
Construction

Construction Management and Observation

PHASE

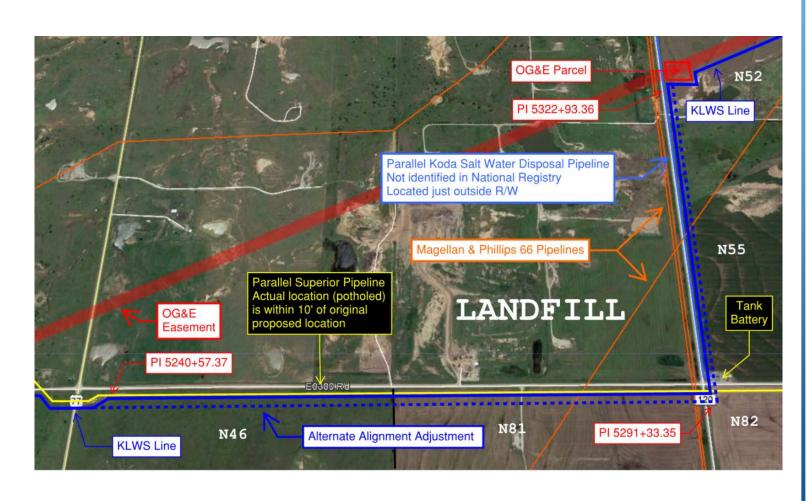
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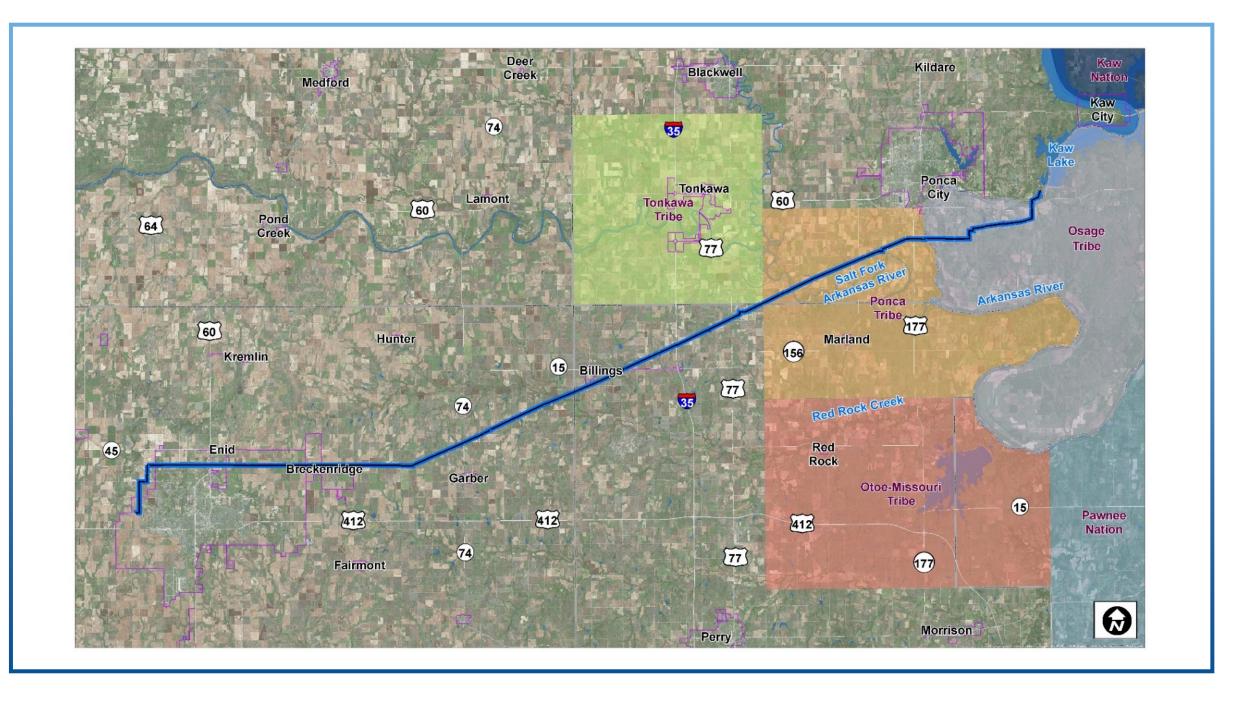
40% Easements Acquired As of Sept. 26, 2019



PIPELINE CONFLICTS

- 240 Parcels
- Existing Oil and Gas
 Infrastructure
- Abandoned Oil and Gas Infrastructure
- New Oil and Gas Exploration
- Wind Energy
- Public Utilities















AGENCY PARTNERSHIPS







ALL FIELD STUDY COMPLETE

Cultural Resources

- Shovel tests on each parcel every 330 feet between the 200-foot-wide Area of Potential Effect (APE) additional tests in high potential areas
- Deep Archaeological testing (trenching) at 12 high potential property sites

Streams and Wetlands

- Approximately 51 Streams delineated and surveyed
- 27 Areas of potential wetlands, 11 ponds

Threatened & Endangered Species

- Habitat Identified:
- Interior Least Tern (Endangered), Whooping Crane (Endangered),
 Piping Plover (Threatened), Bald Eagle (Protected)

Hazardous Waste

88 Hazmat sites identified; 22 high risk (leaking or contaminated)

44 Oil and Gas wells

30 Water wells



ACQISITION STRATEGY

