

**Acquisition of a Hanford Site
Natural Gas Pipeline and Natural
Gas Utility Service
Environmental Impact Statement
(DOE/EIS-0467)**

**February 9, 2012
Public Scoping Meeting
Pasco, Washington**



**U.S. DEPARTMENT OF
ENERGY**

Public Scoping Agenda

- Introduction
- DOE presentation – proposed EIS scope
- Questions/clarification on presentation
- Public comments on proposed EIS scope
- Closing

Public Scoping Meeting Participants

- Karen Flynn – DOE-RL Assistant Manager for Mission Support
- Doug Chapin – DOE National Environmental Policy Act (NEPA) Document Manager for EIS
- Chris Smith – DOE Federal Project Director
- Barry Lawson – Independent Facilitator
- **You** – DOE wants to hear your input on the scope of this EIS

Start of the NEPA Process

- Notice of Intent (NOI) published in the Federal Register on January 23, 2012 to start EIS scoping process
- Public scoping period – January 23, 2012, through February 22, 2012
- Cascade Natural Gas has been retained to support the preparation of the EIS and to begin the permitting process

Background

- Steam is used for many operations in 200 Area
- 242-A Evaporator boilers currently use diesel fuel
- Waste Treatment Plant boilers are designed to use diesel fuel



Background *(Continued)*

- Combined consumption/generation
 - ~35,000 gallons of diesel fuel per day
 - 6 tanker trucks/day
 - ~3 million tons of greenhouse gas (GHG) emissions (facility lifecycle)



Benefits of Potential Conversion to Natural Gas

- Expected to reduce lifecycle operating costs by over \$800M
- Reduce lifecycle GHG emissions by ~1 million tons
- Eliminate ~6 diesel tanker trucks/day
- Increase operational reliability by having dual-fired boilers (natural gas + diesel)

Proposed Action

- DOE proposes to make natural gas available to facilities located on the Central Plateau of its Hanford Site (WTP and 242-A Evaporator)
- Cascade Natural Gas would own, construct, operate, and maintain the pipeline

Proposed Natural Gas Utility Services

- New pipeline would connect to an existing natural gas pipeline near the Pasco Airport
- Preliminary conceptual route would:
 - Cross ~8.5 miles of non-DOE land to the Columbia River
 - Cross ~20 miles of DOE property from the River crossing northwest to the 200 Area

Horizontal Directional Drilling

- Horizontal directional drilling under the Columbia River
 - Would penetrate the ground surface several hundred feet away from the riverbanks
 - Pipeline would be 50-100 feet below the lowest depth of the river bottom
 - Minimizes environmental disturbance at the crossing location
 - Proven, state-of-the-art construction method

Proposed Natural Gas Utility Services

- Small above-ground facilities at selected locations
- Engineering feasibility study underway
 - Range of pipe diameters being evaluated (12 – 20 inches)
 - Alternative pipeline routing alignments
 - Contact potentially affected landowners
- Retrofit of 200 Area boilers
- DOE would provide an easement to Cascade on DOE property for construction, operations, and maintenance of the pipeline

NEPA PROCESS

Schedule

- NOI - January 23, 2012
- Public scoping period - January 23, 2012, through February 22, 2012
- Public scoping meeting – tonight
- Draft EIS – Spring 2013 (planned)
- Final EIS – Fall 2013 (planned)
- Record of Decision – \geq 30 days after Final EIS

NEPA PROCESS

How to Submit EIS Scoping Comments

- Oral or written comments at tonight's meeting
- Written comments mailed to:
 - Douglas Chapin
 - NEPA Document Manager
 - U.S. Department of Energy
 - Richland Operations Office
 - P.O. Box 550, MSIN A5-11
 - Richland, Washington 99352
- Email address: naturalgaseis@rl.gov

