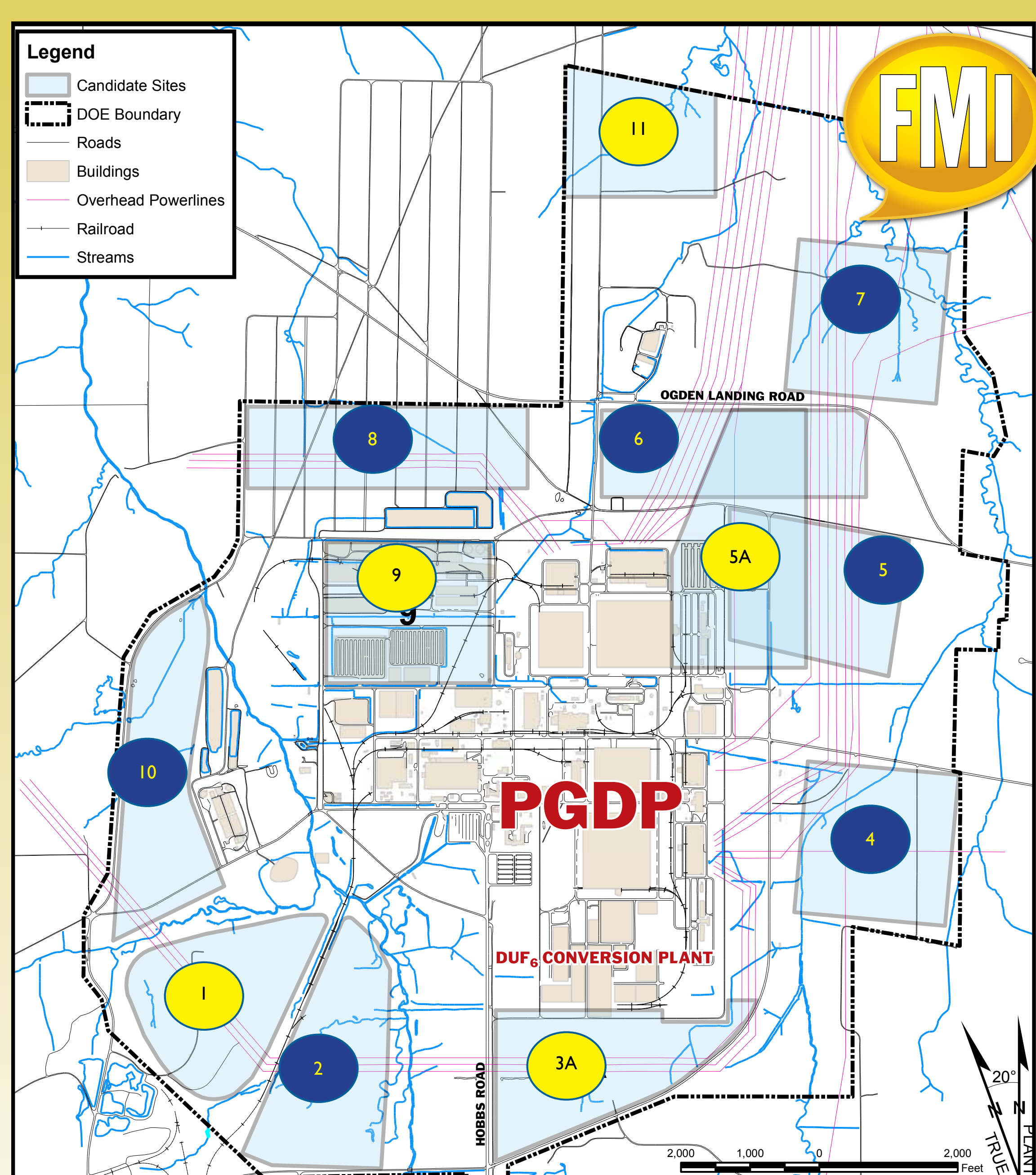


3 OPTION

ON-SITE

Build a New Waste Disposal Facility on DOE-Owned Land in Paducah



IS IT IMPLEMENTABLE?

- Seven sites do not meet current Feasibility Study siting requirements
- Five sites meet current Feasibility Study siting requirements

Points to Consider

- Not all sites suitable for an on-site facility
- On-site disposal would require up to approximately 110 acres

OUR PRELIMINARY EVALUATION:

< RATED LOW TO HIGH >



IS IT EFFECTIVE? (SHORT- AND LONG-TERM)

Short-Term

- Would provide adequate space for disposal of expected Paducah wastes
- Facility design would protect human health and the environment

Long-Term

- Facility would be designed to last 1,000 years
- Waste Acceptance Criteria would provide safe and effective disposal

OUR PRELIMINARY EVALUATION:

SHORT-TERM

< RATED LOW TO HIGH >



LONG-TERM

< RATED LOW TO HIGH >



DOES IT REDUCE RISKS?

- Wastes would be removed from nonengineered facilities and placed in a facility designed for the long haul
- Long-term monitoring would provide protection from future groundwater contamination
- Facility would be designed to withstand a major earthquake

Points to Consider

- Most waste would not be removed from the Paducah Site
- Risk of construction related accidents to personnel
- Risk of operations related accidents to personnel

OUR PRELIMINARY EVALUATION:

< RATED LOW TO HIGH >



WHAT IS THE COST?

OUR PRELIMINARY EVALUATION:

< RATED LOW TO HIGH >



LOWEST COST OPTION