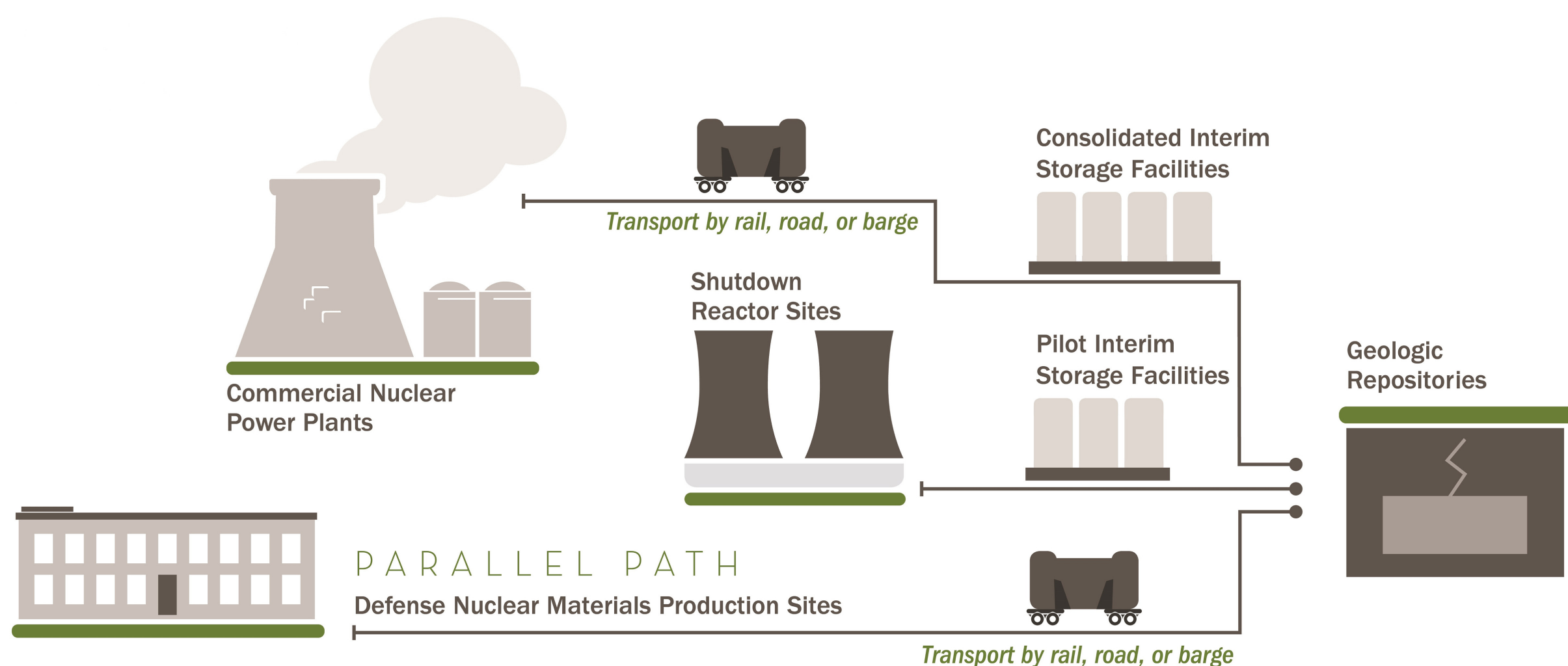


INTEGRATED WASTE MANAGEMENT

AN INTEGRATED WASTE MANAGEMENT SYSTEM

The Department is planning for an integrated waste management system to transport, store, and dispose of our nation's nuclear waste. An integrated waste management system consists of siting facilities and other key infrastructure needed to safely manage both spent nuclear fuel from commercial electricity generation, as well as high-level radioactive waste from national defense activities. An integrated approach contrasts with the distributed, *ad hoc* manner in which waste is managed today and provides a long-term, sustainable solution.

An integrated waste management system with multiple connected elements will provide the flexibility and adaptability needed to manage the nation's diverse, still growing, and geographically dispersed inventory of spent nuclear fuel and high-level radioactive waste.



COMPONENTS OF AN INTEGRATED WASTE MANAGEMENT SYSTEM

The Department envisions an integrated waste management system that may contain:

- pilot interim storage facilities, initially focused on accepting spent nuclear fuel from shutdown reactor sites
- full-scale, consolidated interim storage facilities that provide greater capacity and flexibility within the waste management system
- permanent geologic repositories for the disposal of spent nuclear fuel and high-level radioactive waste
- transportation infrastructure to move spent nuclear fuel and high-level radioactive waste by rail, road, and barge

A PHASED, ADAPTIVE APPROACH

The Department aims to implement a flexible waste management system incrementally to:



ensure safe and secure operations



gain trust among stakeholders



adapt based on lessons learned

Moving forward, the Department is committed to a consent-based approach to siting the storage and disposal facilities needed to support a robust integrated waste management system.



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