DEFEDENCE		
REFERENCE		
Title:	Railroad and Locomotive Technology Roadmap	
Date:	December 2002	
Author:	Argonne National Laboratory	
Funded by:		
Hard copy		
reference:		
URL:	http://www.transportation.anl.gov/pdfs/RR/261.pdf	
Date accessed:	August 2007	
Web Format:	pdf	
IEA topics	Transport	
covered	'	
Geographical	US	
focus:		
Brief Abstract:	The Railroad and Locomotive Technology Roadmap is the combined effort of many dedicated people from the railroad industry, locomotive manufacturers and their suppliers, government, and the U.S. Department of Energy's national laboratories. In this document, potential R&D pathways to greatly improve the efficiency of freight transportation by rail, while meeting future emission standards in a cost-effective, safe manner, were developed jointly by an industry-government team as a result of DOE's January 2001 Workshop on Locomotive Emissions and System Efficiency and are presented here. The status of technology, technical targets, barriers, and technical approaches for engine, locomotive, rail systems, and advanced power plants and fuels are presented.	

OUTPUTS	
Short Report?	No
Major report?	Yes. (70 pages)
Visualisations?	No
Information held on dedicated software?	No
- which package?	NA

ARCHITECTURE	
Timescales used:	Up to 2020
Trends and drivers?	No
- list	

TEMPLATE FOR CHARACTERISING ENERGY TECHNOLOGY ROADMAPS

Enablers?	No
- list	
Performance measures/targets?	No
- list areas	
Mapping of RD&D activities?	Yes
Critical assessment of	No
capabilities?	

PROCESS	
Methods used:	
- Desk study?	
- Consultation	
- Interviews?	
- Facilitated workshop(s)	
- Working groups/task force	Yes
- Integrated Process	
Stakeholders engaged:	
 University based researchers 	Yes
 Other public sector researchers 	
 Business – technology 	Yes
- Business - other	Yes
 Government - energy 	Yes
Government – SET	
 Government - other 	
- NGOs	
No of people engaged:	51
Budget (if known):	
Commitment to re-visit?	

Yes
No
No
No
No