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The National Energy Modeling System: An Overview 2003

Aircraft Technology Characteristics

Technology	Introduction Year	Jet Fuel Prices Necessary for Cost-Effectiveness (1997 dollars per gallon)	Seat-Miles per Gallon Gain Over 1990 (Percent)	
			Narrow Body	Wide Body
Engines				
Ultra-high Bypass	1995	0.69	10	10
Propfan	2000	1.36	23	0
Thermodynamics	2010	1.22	20	20
Aerodynamics				
Hybrid Laminar Flow	2020	1.53	15	15
Advanced Aerodynamics	2000	1.70	18	18
Other				
Weight Reducing Materials	2000	-	15	15