

1. Record Nr.	UNINA9910456857703321
Titolo	Liquid transportation fuels from coal and biomass [[electronic resource]] : technological status, costs, and environmental impacts // America's Energy Future Panel on Alternative Liquid Transportation Fuels, National Academy of Sciences, National Academy of Engineering, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2009
ISBN	1-282-55458-1 9786612554582 0-309-13713-6
Descrizione fisica	1 online resource (389 p.)
Collana	America's energy future series Liquid transportation fuels from coal and biomass
Disciplina	662
Soggetti	Biomass energy - United States Energy conservation - United States Energy policy - United States Motor fuels - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Foreword""; ""Preface""; ""Acknowledgments""; ""Contents""; ""Synopsis""; ""Summary""; ""1 Liquid Fuels for Transportation""; ""2 Biomass Resources for Liquid Transportation Fuels""; ""3 Biochemical Conversion of Biomass""; ""4 Thermochemical Conversion of Coal and Biomass""; ""5 Distribution""; ""6 Comparison of Options and Market Penetration""; ""7 Overall Findings and Recommendations""; ""8 Key Challenges to Commercial Deployment""; ""9 Other Alternative Fuel Options""; ""APPENDIXES""; ""Appendix A: America's Energy Future Project""; ""Appendix B: Statement of Task"" ""Appendix C: Panel Members Biographical Sketches"" ""Appendix D: Presentations to the Panel""; ""Appendix E: Research Supporting a Landscape Vision of Production of Biofuel Feedstock""; ""Appendix F: Estimating the Amount of Corn Stover That Can Be Harvested in a

Sustainable Manner"; "Appendix G: Life-Cycle Inputs for Production of Biomass"; "Appendix H: Background Information on the Economic and Environmental Assessment of Biomass Supply"; "Appendix I: Modeling of Capital and Operating Costs and Carbon Emissions of Ethanol Plants with SuperPro Designer"
"Appendix J: Resource Requirements for Production of Microbial Biomass""Appendix K: Nonquantified Uncertainties That Could Influence the Costs of Carbon Storage"
