Record Nr. UNINA9910819186703321 Induced seismicity potential in energy technologies / / Committee on **Titolo** Induced Seismicity Potential in Energy Technologies, Committee on Earth Resources, Committee on Geological and Geotechnical Engineering, Committee on Seismology and Geodynamics, Board on Earth Sciences and Resources, Division on Earth and Life Studies, National Research Council of the National Academies Pubbl/distr/stampa Washington, District of Columbia: .: National Academies Press. . [2013] ©2013 **ISBN** 0-309-25370-5 0-309-25368-3 Descrizione fisica 1 online resource (262 p.) Disciplina 551.220973 Soggetti Induced seismicity **United States** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto Front Matter; Preface; Acknowledgments; Contents; Executive Summary; Summary; 1 Induced Seismicity and Energy Technologies; 2 Types and Causes of Induced Seismicity; 3 Energy Technologies: How They Work and Their Induced Seismicity Potential: 4 Governmental Roles and Responsibilities Related to Underground Injection and Induced Seismicity; 5 Paths Forward to Understanding and Managing Induced Seismicity in Energy Technology Development; 6 Steps Toward a "Best Practices" Protocol; 7 Addressing Induced Seismicity: Findings, Conclusions, Research, and Proposed Actions; Appendixes Appendix A: Committee and Staff Biographies Appendix B: Meeting

Agendas; Appendix C: Observations of Induced Seismicity; Appendix D: Letters between Senator Bingaman and Secretary Chu; Appendix E: Earthquake Size Estimates and Negative Earthquake Magnitudes; Appendix F: The Failure of the Baldwin Hills Reservoir Dam; Appendix G: Seismic Event Due to Fluid Injection or Withdrawal; Appendix H: Pore Pressure Induced by Fluid Injection; Appendix I: Hydraulic Fracture

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Appendix J: Hydraulic Fracturing in Eola Field, Garvin County, Oklahoma, and Potential Link to Induced Seismicity Appendix K: Paradox Valley Unit Saltwater Injection Project; Appendix L: Estimated Injected Fluid Volumes; Appendix M: Additional Acknowledgments