

**LEGAL PATHWAYS TO  
DEEP DECARBONIZATION  
IN THE UNITED STATES:  
SUMMARY AND  
KEY RECOMMENDATIONS**

Michael B. Gerrard and John C. Dernbach

Editors

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# List of Acronyms

AEA: Atomic Energy Act  
AIA: American Institute of Architects  
BAT: best available technology  
BLM: Bureau of Land Management  
BOEM: Bureau of Energy Management  
CAA: Clean Air Act  
CCS: carbon capture and sequestration  
CEQ: Council on Environmental Quality  
CES: clean energy standard  
CFC: chlorofluorocarbon  
CO<sub>2</sub>: carbon dioxide  
CO<sub>2</sub>eq: carbon dioxide equivalent  
CRP: Conservation Reserve Program  
CSP: Conservation Stewardship Program  
DAC: direct air capture  
DDPP: Deep Decarbonization Pathways Project  
DG: distributed generation  
DOE: U.S. Department of Energy  
DPF: diesel particulate filter  
EERS: energy-efficiency resource standard  
EIS: environmental impact statement  
EISA: Energy Independence and Security Act  
EPA: U.S. Environmental Protection Agency  
EPAct 2005: Energy Policy Act of 2005  
EPCA: Energy Policy and Conservation Act  
EQIP: Environmental Quality Incentives Program  
ESA: Endangered Species Act

ETS: emissions trading scheme  
EU: European Union  
EVs: electric vehicles  
FAA: Federal Aviation Administration  
FAST: Fixing America's Surface Transportation Act  
FCIC: Federal Crop Insurance Corporation  
FERC: Federal Energy Regulatory Commission  
FHA: Federal Housing Administration  
FITs: feed-in tariffs  
FONSI: finding of no significant impact  
FPA: Federal Power Act  
FSA: Farm Service Agency  
FWS: U.S. Fish and Wildlife Service  
GHG: greenhouse gas  
Gt: gigaton  
GWP: global warming potential  
HCFC: hydrochlorofluorocarbon  
HDVs: heavy-duty vehicles  
HFC: hydrofluorocarbon  
HFCV: hydrogen fuel cell vehicle  
ICAO: International Civil Aviation Organization  
IMO: International Maritime Organization  
IPCC: Intergovernmental Panel on Climate Change  
ISO: independent system operator  
LCCP: life-cycle climate performance  
LCRs: local content requirements  
LDVs: light-duty vehicles  
LEED: Leadership in Energy and Environmental Design

LFG: landfill gas  
LWR: light water reactor  
M&V: measurement and verification  
MEPS: minimum efficiency performance standards  
MMT: million metric tons  
MPOs: metropolitan planning organizations  
MWh: megawatt hours  
NEPA: National Environmental Policy Act  
NETs: negative emissions technologies  
NGCC: natural gas combined cycle  
NHTSA: National Highway Traffic Safety Administration  
NPDES: national pollutant discharge elimination system  
NRC: Nuclear Regulatory Commission  
NRCS: Natural Resources Conservation Service  
NSPS: new source performance standards  
PAB: private activity bond  
PHMSA: Pipeline and Hazardous Materials Safety Administration  
PM: particulate matter  
PPA: power purchase agreement  
PTC: production tax credit  
PUC: public utilities commission  
PURPA: Public Utility Regulatory Policies Act  
PV: photovoltaic  
R&D: research and development  
RCRA: Resource Conservation and Recovery Act  
RD&D: research, development, and demonstration  
RFS: Renewable Fuel Standard  
RMA: Risk Management Agency (USDA)

RPS: renewable portfolio standard  
RTO: regional transmission organization  
SFO: Sustainable Finance Organization  
SIP: state implementation plan  
SMR: small modular reactor  
SWPA: Southwestern Power Administration  
TNCs: transportation network companies  
TOD: transit-oriented development  
TPO: third-party ownership  
UNFCCC: United Nations Framework Convention on Climate Change  
USDA: U.S. Department of Agriculture  
VMT: vehicle miles traveled  
WAPA: Western Area Power Administration  
ZEB: zero-energy building  
ZNE: zero net energy

To purchase *Legal Pathways to Deep Decarbonization in the United States*, the longer volume from which the summaries and key recommendations in this shorter book originated, visit [www.eli.org/DeepDecarbonization](http://www.eli.org/DeepDecarbonization)