

LEGAL, INSTITUTIONAL AND ECONOMIC FRAMEWORK TO SUPPORT SUSTAINABLE DEVELOPMENT

CROSS-WALK TO FOREST AND RANGELAND ROUNDTABLE INDICATORS

Minerals Roundtable	Forest Roundtable	Rangeland Roundtable
Criterion 7: Legal, Institutional, and Economic Framework to Support Sustainable Development	Criterion 7: Legal, Institutional, and Economic Framework to Support Sustainable Development	Criterion 5: Legal, Institutional, and Economic Framework for Rangeland Conservation and Sustainable Management
<p>LI 1. Extent to which the legal framework (laws, regulations, guidelines, legal decisions, etc. at multiple geo-political scales) accommodates sustainable practices for energy and mineral/ materials systems over the life cycle, including the extent to which it provides for:</p>	<p>7.1 Extent to which the legal framework (laws, regulations, guidelines) supports the conservation and sustainable management of forests, including the extent to which it:</p>	<p>55. Extent to which laws, regulations, and guidelines clarify property rights and land tenure arrangements, recognize customary and traditional rights of indigenous people, and provide means of resolving property disputes by due process as they relate to the conservation and sustainable management of rangelands.</p>
<p><i>LI 1a. Clear property rights, (including mineral rights, secure land tenure, and restrictions intended for the conservation of lands with special values), recognition of customary and tradition rights of indigenous people, and a means of resolving disputes.</i></p>	<p>7.1a Clarifies property rights, provides for appropriate land tenure arrangements, recognizes customary and traditional rights of indigenous people, and provide means of resolving property disputes by due process</p>	<p>See 55 above</p>
<p><i>LI 1b. Periodic energy and mineral material resource: assessment, land use planning, and policy review at multiple geo-political scales, including collaboration, coordination and participation by relevant communities of interest (public, and federal, state and local governments, etc.)</i></p>	<p>7.1b Provides for periodic forest-related planning, assessment, and policy review that recognizes the range of forest values, including coordination with relevant sectors</p>	<p>61. Nature and extent of periodic range-related planning, assessment, and policy review activities, including planning and coordination between institutions and organizations</p>
<p>LI 1c. Innovation supporting development and use of cutting edge practices and technology.</p>	<p>7.1 d Encourages best practice codes for forest management</p>	

<p>LI 1d. A compliance and enforcement framework that is understandable, implementable, transparent, and stable; including provisions for the resolution of conflicting provisions in legislation and regulations; and requiring clear standards, open decision processes, and consistency over the time.</p>		
<p>LI 1e. The reuse, recycling, and/ or remanufacture of energy of mineral materials.</p>		
<p>LI 1f. US participation in international Treaties and agreements that enhance or inhibit domestic sustainable practices for energy and mineral/materials systems.</p>	<p>See 7.3 b below</p>	
<p>LI 1g. Development and maintenance of efficient physical infrastructure to facilitate the supply of energy and mineral/ material products and services and support sustainable practices for energy and</p>		
<p>LI 1h. Estimation and reporting of the full compliance burden associated with the legal framework throughout the lifecycle of energy and mineral/materials, where compliance burden is defined very broadly and includes presence of uncertainty and duplication across regulatory authorities.</p>		
<p>See LI 2a Public involvement</p>	<p>7.1c Provides opportunities for public participation in public policy and decision-making related to forests and public access to information</p>	<p>58. Extent to which laws, regulations, and guidelines, institutions, and organizations provides opportunities for:(1) public access to information; and (2) public participation in public policy and decision-making related to rangelands.</p>
<p>See LI 1a Above</p>	<p>7.1e Provides for the management of forests to conserve special environmental, cultural, social and/or scientific values</p>	<p>62. Extent to which laws, regulations, and guidelines, institutions, and organizations provide for the management of rangelands to conserve special environmental, cultural, social and/or scientific values.</p>
<p>LI 2. Extent to which the institutional framework enhances or inhibits sustainable practices for energy and mineral/ material systems over the life cycle, including the capacity to provide for:</p>	<p>7.2 Extent to which the institutional framework supports the conservation and sustainable management of forests, including the capacity to:</p>	<p>60. Extent to which land management programs and practices support the conservation and sustainable management of rangelands</p>

		56. Extent to which governmental agencies, educational institutions and other for-profit and not-for-profit organizations affect the conservation and sustainable management of
LI 2a <i>Public involvement activities (education, awareness, extension programs, community capacity building and information availability) with respect to sustainable practices for energy and mineral material</i>	7.2 a Provide for public involvement activities and public education, awareness and extension programs, and make available forest-related information	See 58 above
LI 2b. <i>Development and maintenance of skilled workforce (competencies and skills) across relevant disciplines and institutions.</i>	7.2 c develop and maintain human resource skills across relevant disciplines	57. Extent to which laws, regulations, and guidelines, institutions and organizations provide for professional education and the distribution of technical information and financial assistance related to the conservation and sustainable management of rangelands
See LI 1.b. above	7.2 b Undertake and implement periodic planning and assessment, and policy review, including cross-sectoral planning and coordination	See 61 above
See LI 1.g above	7.2 d Develop and maintain efficient physical infrastructure to facilitate the supply of forest products and services and support forest management.	
	7.2e Enforce laws, regulations and guidelines	
LI 3. Extent to which the economic framework (economic policies and measures) enhances or inhibits (provides incentives and disincentives for) sustainable practices for energy and mineral/ material systems over the life cycle.	7.3 Extent to which the economic framework (economic policies and measures) supports the conservation and sustainable management of forests through:	57. Extent to which economic policies and practices support the conservation and sustainable management of rangelands
LI 3a. <i>Investment and taxation policies that enhance or inhibit sustainable practices for energy and mineral/ material systems.</i>	7.3 a Investment and taxation policies and a regulatory environment which recognize the long-term nature of investments and permit the flow of capital in and out of the forest sector in response to market signals, non-market economic valuations, and public policy decisions in order to meet long-term demands for forest products and services.	
LI 3b. <i>Identification and reporting of external costs (direct and opportunity, monetary or otherwise) of energy and mineral/materials related activities.</i>		
	7.3 b Non-discriminatory trade policies for forest products	

LI 4. Capacity to measure and monitor the parameters associated with the sustainability indicators developed for energy and mineral/materials system.	7.4 Capacity to measure and monitor changes in the conservation and sustainable management of forests, including:	63. Extent to which agencies, institutions and organizations devote human and financial resources to measuring and monitoring changes in the condition of rangelands
4a. Compatibility with other countries in measuring, monitoring and reporting on indicators	7.4 Compatibility with other countries in measuring monitoring and reporting on indicators	
	7.4 a Availability of up-to-date data, statistics and other information important to measuring or describing indicators associated with criteria 1-7	
	7.4b Scope, frequency and statistical reliability of forest inventories, assessments, monitoring and other relevant information	
LI 5. Authority and ability to conduct and apply research and development, including:	7. Capacity to conduct and apply research and development aimed at improving forest management and delivery of forest goods and services, including:	64. Nature and extent of research and development programs that affect the conservation and sustainable management of rangelands.
LI 5a. Developing a scientific understanding of energy and mineral material systems' characteristics and functions, including externalities with respect to environmental, social, economic and geologic systems, and of these resources in national income accounts.	7.5a Develop a scientific understanding of forest ecosystem characteristics and functions	
	7.5b Development of methodologies to measure and integrate environmental and social costs and benefits into markets and public policies, and to reflect forest related resource depletion or replenishment in national accounting systems.	
	7.5c New technologies and the capacity to assess the socio-economic consequences associated with the introduction of new technologies	
	7.5d Enhancement of ability to predict impacts of human intervention on forests	
	7.5e Ability to predict impacts on forests of possible climate change.	