

# Stewardship Commitment | Metrics at a Glance

FIELD		
Priority	Indicator	Metric
Feed Impact	Field to Market® indicators for water, soil, land use and biodiversity	<ul style="list-style-type: none"> <li>The Innovation Center for U.S. Dairy® (Innovation Center) continues to work with Field to Market to ensure the indicators and metrics are useful and relevant to dairy.</li> </ul>
	Innovation Center indicators for greenhouse gas (GHG) and energy intensity	<ul style="list-style-type: none"> <li>U.S. dairy's Comprehensive LCA for U.S. Milk is used to measure the GHG and energy intensity of feed production. These metrics mirror those used at the dairy farm and are reported in aggregate.</li> </ul>
DAIRY FARM		
Priority	Indicator	Metric
Energy Use	Energy intensity	<ul style="list-style-type: none"> <li>Total energy use (converted to MMBTU)/lb. of milk (FPCM)</li> </ul>
GHG Emissions	GHG intensity	<ul style="list-style-type: none"> <li>Total GHG emissions (tonnes CO<sub>2</sub>e)/lb. of milk (FPCM)</li> </ul>
Water Quantity	Water use (on-farm)	<ul style="list-style-type: none"> <li>Gallons of water withdrawn (for lactating cows)/lb. of milk (FPCM)</li> </ul>
Nutrient Management	Nutrient Management Plan	<ul style="list-style-type: none"> <li>Do you implement and maintain a written Nutrient Management Plan? (Y/N)</li> </ul>
Animal Care	Farm animal care	<ul style="list-style-type: none"> <li>Do you participate in the FARM Animal Care program? (Y/N)</li> </ul>
PROCESSOR / MANUFACTURER		
Priority	Indicator	Metric
Energy Use	Energy intensity	<ul style="list-style-type: none"> <li>Total energy use (converted to MMBTU)/lb. of production output</li> </ul>
GHG Emissions	GHG intensity	<ul style="list-style-type: none"> <li>Total GHG emissions (tonnes CO<sub>2</sub>e, Scope 1 and 2)/lb. of production output</li> </ul>
Water Quantity	Water withdrawal	<ul style="list-style-type: none"> <li>Gallons of water withdrawn by source of water supply/lb. of production output</li> </ul>
	Water efficiency	<ul style="list-style-type: none"> <li>Gallons of water withdrawn/lb. of production output</li> </ul>
	Water recycling and reuse	<ul style="list-style-type: none"> <li>[Gallons of water supplied that are captured for reuse within the facility + milk water captured for use]/lb. of production output</li> </ul>
	Milk water use	<ul style="list-style-type: none"> <li>Gallons of water captured from milk for use within facility/lb. of production output</li> </ul>
	Surplus water	<ul style="list-style-type: none"> <li>[Discharge volume - water withdrawn]/lb. of production output</li> </ul>
Water Quality	Water discharge and quality	<ul style="list-style-type: none"> <li>Do you have a policy, program or monitoring system that ensures routine compliance with industrial or storm water permit parameters? (Y/N)</li> </ul>
Resource Recovery	Waste diversion	<ul style="list-style-type: none"> <li>Percent by weight total waste stream (lbs.) diverted from landfill or incineration without recapturing energy</li> </ul>
	Throughput efficiency	<ul style="list-style-type: none"> <li>Total waste stream/lb. of production output</li> </ul>
	Resource utilization	<ul style="list-style-type: none"> <li>Food donated or repurposed as animal feed and non-food recycled or composted (lbs.)/total waste stream (lbs.)</li> <li>Food repurposed for industrial uses or compost and non-food repurposed for energy recovery (lbs.)/total waste stream (lbs.)</li> <li>Waste sent to landfill or incineration without recapturing energy (lbs.)/total waste stream (lbs.)</li> </ul>
Workforce Development	Human resources	<ul style="list-style-type: none"> <li>Total number of jobs supplied (includes full- and part-time employees and consultants)</li> <li>Indirect and non-monetary benefits available to employees</li> <li>Total number employed during the past year and percentage of employees who have been employed for 5, 10 and 20 years</li> </ul>
	Worker safety	<ul style="list-style-type: none"> <li>Do you have leading indicators to measure/encourage safe worker behavior? Describe measurement systems employed, and how this has led to a safer workforce</li> <li>Days of restricted work activity or job transfer (DART) rate <ul style="list-style-type: none"> <li>Explain why this has changed over time.</li> </ul> </li> </ul>
Community Contributions	Community volunteering	<ul style="list-style-type: none"> <li>Volunteer activities performed by employees</li> </ul>
	Monetary and product donations	<ul style="list-style-type: none"> <li>Monetary and product donation activities</li> </ul>
	Educational opportunities	<ul style="list-style-type: none"> <li>Describe community educational events per year and the total number of participants.</li> </ul>
	Product contributions	<ul style="list-style-type: none"> <li>Servings of dairy donated or consistently supplied to a non-profit organization to feed food insecure people. (For Stewardship Commitment reporting, companies report in lbs.)</li> </ul>
Product Safety & Quality	Food safety	<ul style="list-style-type: none"> <li>Do you have validated, verifiable food safety programs and management systems in place? (Y/N)</li> <li>Do you frequently reassess your food safety programs to ensure efficacy and to reflect new food safety tools/practices and ensure continuous improvement? (Y/N)</li> </ul>
	Traceability	<ul style="list-style-type: none"> <li>Commitment to voluntary <i>U.S. Dairy Traceability Guidelines</i> (Y/N)</li> </ul>