

# Stewardship Commitment | Metrics at a Glance

November 2018

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 <i>Carbon and Water Life Cycle Assessment for U.S. Milk</i> 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 (lb. 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 consumed (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 (lb. CO<sub>2</sub>e, Scope 1 and 2)/lb. of production output</li> </ul>
Water Quantity	Water use	<ul style="list-style-type: none"> <li>Percentage of total water withdrawn and consumed by source</li> </ul>
	Water efficiency	<ul style="list-style-type: none"> <li>Gallons of water consumed/lb. of production output</li> </ul>
	Water recycling and reuse	<ul style="list-style-type: none"> <li>Percentage and total volume of water (gal.) that is recycled and reused</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>Number of opportunities for workers to participate in, and percentage of employees who participated in developing, implementing and managing health and safety initiatives; also, the levels in the corporation at which these programs operate</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 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>