



# CLEAN AIR AND WATER

Support metrics\*

(\*additional metrics supporting our three pillars of corporate social responsibility are under development)

**DARLING**<sup>®</sup>  
INGREDIENTS

DAR PRO  
INGREDIENTS

Bakery Feeds

Nature  
Safe

ecoson

Rousselot

Peptan<sup>®</sup>

RECTHSA Y

DAR PRO  
SOLUTIONS

hepac

LARU

cth

Rendac

DIAMOND  
GREEN DIESEL

sonac

DAR PRO  
BIENERGY

## ENERGY METRICS

### CONSUMPTION (Used)

### CONTRIBUTION (Produced)



Energy Consumption



(Bio) Energy Production



(Bio) Fuel Production



GHG Emissions



Raw Material Carbon Capture



Fresh Water Consumption



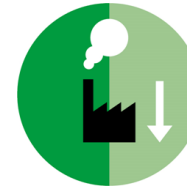
Water Production

### RENEWABLE DIESEL PRODUCTION



161 million gallons  
2017 production

### AVOIDED GHG EMISSIONS FROM FOSSIL FUEL



1.9 million MT CO<sub>2</sub>e

1.9 Mln metric tons *fewer* GHG emissions  
(RD emits 85% less than fossil diesel) =

a CO<sub>2</sub> equivalent of removing

**450,000**

cars from the road for a year



Note: One gallon of fossil diesel emits 10.21 kg CO<sub>2</sub> Source: EPA

Metric figures are for Diamond Green Diesel renewable diesel production in 2017

## GHG EMISSION METRICS

### CONSUMPTION (Used)

### CONTRIBUTION (Produced)



**Energy Consumption**



**(Bio) Energy Production**



**(Bio) Fuel Production**



**GHG Emissions**



**Raw Material Carbon Capture**



**Fresh Water Consumption**



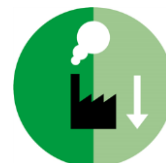
**Water Production**

### FOSSIL FUEL EMISSIONS



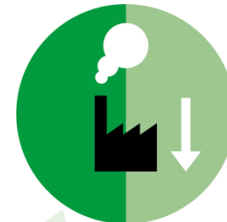
1.7 Mln metric tonnes CO<sub>2</sub>e emissions

### RAW MATERIAL CARBON CAPTURE



5.3 Mln metric tonnes CO<sub>2</sub>e emissions **avoided**

### NET CARBON FOOTPRINT



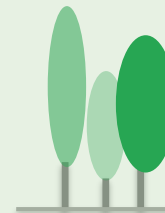
3.6 Mln metric tonnes CO<sub>2</sub>e emissions **avoided**

**3.6** Mln MT

of net AVOIDED emissions =

a CO<sub>2</sub> equivalent of planting

**165** million trees



Note: A tree can absorb up to 48 lbs. (21.8 kg) of CO<sub>2</sub> per year. Source: EPA  
Metric figures are for global Darling Ingredients rendering operations in 2017.

# World of Commitment: CLEAN AIR & WATER

## WATER METRICS

### CONSUMPTION (Used)

### CONTRIBUTION (Produced)



Energy  
Consumption



(Bio) Energy  
Production



(Bio) Fuel  
Production



GHG  
Emissions



Raw Material  
Carbon Capture



Fresh Water  
Consumption



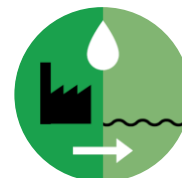
Water  
Production

### FRESH WATER CONSUMPTION



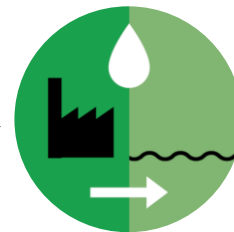
1.53 Bln gallons  
5.8 Mln cubic meters

### WATER PRODUCTION



1.56 Bln gallons  
5.9 Mln cubic meters

### NET WATER CONTRIBUTION

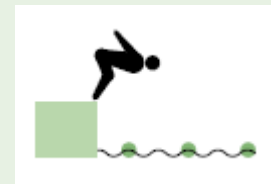


30 Mln gallons  
100 K cubic meters

1.56 billion gallons  
of water PRODUCED =

equivalent of

2,363 Olympic-sized  
swimming pools



Note: One pool has 660,253 gallons of water. Source: [www.livestrong.com](http://www.livestrong.com)  
Metric figures are for Darling Ingredients Rendering Operations in 2017 (excludes  
Rousselot Gelatin Operations)



# Creating sustainable food, feed and fuel ingredients for a growing population

Note: additional metrics supporting  
our three pillars of corporate social  
responsibility are under development)