

# EMBRACING THE FOOD REVOLUTION PRESERVE AND RENEW THE PLANET'S RESOURCES

At Danone, we are embracing the food revolution. We believe **the health of the people and the health of the planet are intimately interdependent.**

**One Planet. One Health** is our rallying call. **We have an integrated agenda**, both **business** and **sustainability**, aligned with the UN Sustainable Development Goals.

We implement an **innovative governance** & employee engagement model **to empower employees** to co-own our company agenda and foster their owner's mindset. Together, we will be remembered as a **driving force of the food generation.**

*To guide us, we have defined an integrated agenda,  
Both business and sustainability,  
Aligned with the UN sustainable development goals.*





We strive to be a GAME-CHANGER to foster positive solutions for the planet.

We commit to SUSTAINABLE SOURCING for all our ingredients and to enhance the CIRCULAR ECONOMY OF PACKAGING. We will protect soil health through REGENERATIVE AGRICULTURAL practices co-developed with partners and we will even amplify our ambitious WATER STEWARDSHIP journey. We play our part in the fight against climate change by implementing carbon positive solutions and aiming to achieve CARBON NEUTRALITY by 2050.

Contributes to  
UN Sustainable  
Development Goals



# ALL DANONE DAIRY FACTORIES CONSUMPTION OF WATER

## < 3m<sup>3</sup>/ton by 2020



**BBG 2017**  
3,80m<sup>3</sup>/ton



**BBG 2018**  
3,50m<sup>3</sup>/ton



**DANONE 2020**  
<3,00m<sup>3</sup>/ton

THE STATUS QUO  
END TO END  
EVALUATION



And if a more  
detailed  
monitoring is  
available



	Real data	
Milk reception	External truck washing	
	CIP (truck, pipes & raw milk tank)	
	CIP	
Production	Powdering (dissolving station)*	
	Pushes	
	Pushes after heat treatment	
	Production area floor cleaning	
	Other defined consumption	
Utilities	Steam boiler (water top up)	
	Hot water loop (top up)	
	Cooling tower / condenser (top up)	
	Chilled water loop (top up)	
	WWTP water consumption	
	Other defined consumption	
Domestic usage	Administration building	
	Irrigation	
	Fire tank (top up)	



# 1

## CIP (CLEANING IN PRACTICE) SCHEDULING AND REPORTING

- Each SKU in a dairy processing plant has its own CIP requirements
- Plan your SKU sequence online to optimise CIP schedule
- Track all CIP performance parameters and optimise as you go

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RESOURCES

**Did you know?**  
We can prevent a large amt  
of water going to the  
effluent



CIP PLANNING & TRACKING														
SKU	DATE	TIME	START	END	STATUS	WATER	WASTE	WATER	WASTE	WATER	WASTE	WATER	WASTE	WATER
SKU 1	10/10	08:00	08:15	08:30	OK	100	50	100	50	100	50	100	50	100
SKU 2	10/10	08:30	08:45	09:00	OK	100	50	100	50	100	50	100	50	100
SKU 3	10/10	09:00	09:15	09:30	OK	100	50	100	50	100	50	100	50	100
SKU 4	10/10	09:30	09:45	10:00	OK	100	50	100	50	100	50	100	50	100
SKU 5	10/10	10:00	10:15	10:30	OK	100	50	100	50	100	50	100	50	100
SKU 6	10/10	10:30	10:45	11:00	OK	100	50	100	50	100	50	100	50	100
SKU 7	10/10	11:00	11:15	11:30	OK	100	50	100	50	100	50	100	50	100
SKU 8	10/10	11:30	11:45	12:00	OK	100	50	100	50	100	50	100	50	100
SKU 9	10/10	12:00	12:15	12:30	OK	100	50	100	50	100	50	100	50	100
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SKU 11	10/10	13:00	13:15	13:30	OK	100	50	100	50	100	50	100	50	100
SKU 12	10/10	13:30	13:45	14:00	OK	100	50	100	50	100	50	100	50	100
SKU 13	10/10	14:00	14:15	14:30	OK	100	50	100	50	100	50	100	50	100
SKU 14	10/10	14:30	14:45	15:00	OK	100	50	100	50	100	50	100	50	100
SKU 15	10/10	15:00	15:15	15:30	OK	100	50	100	50	100	50	100	50	100
SKU 16	10/10	15:30	15:45	16:00	OK	100	50	100	50	100	50	100	50	100
SKU 17	10/10	16:00	16:15	16:30	OK	100	50	100	50	100	50	100	50	100
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SKU 44	10/10	05:30	05:45	06:00	OK	100	50	100	50	100	50	100	50	100
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SKU 46	10/10	06:30	06:45	07:00	OK	100	50	100	50	100	50	100	50	100
SKU 47	10/10	07:00	07:15	07:30	OK	100	50	100	50	100	50	100	50	100
SKU 48	10/10	07:30	07:45	08:00	OK	100	50	100	50	100	50	100	50	100
SKU 49	10/10	08:00	08:15	08:30	OK	100	50	100	50	100	50	100	50	100
SKU 50	10/10	08:30	08:45	09:00	OK	100	50	100	50	100	50	100	50	100

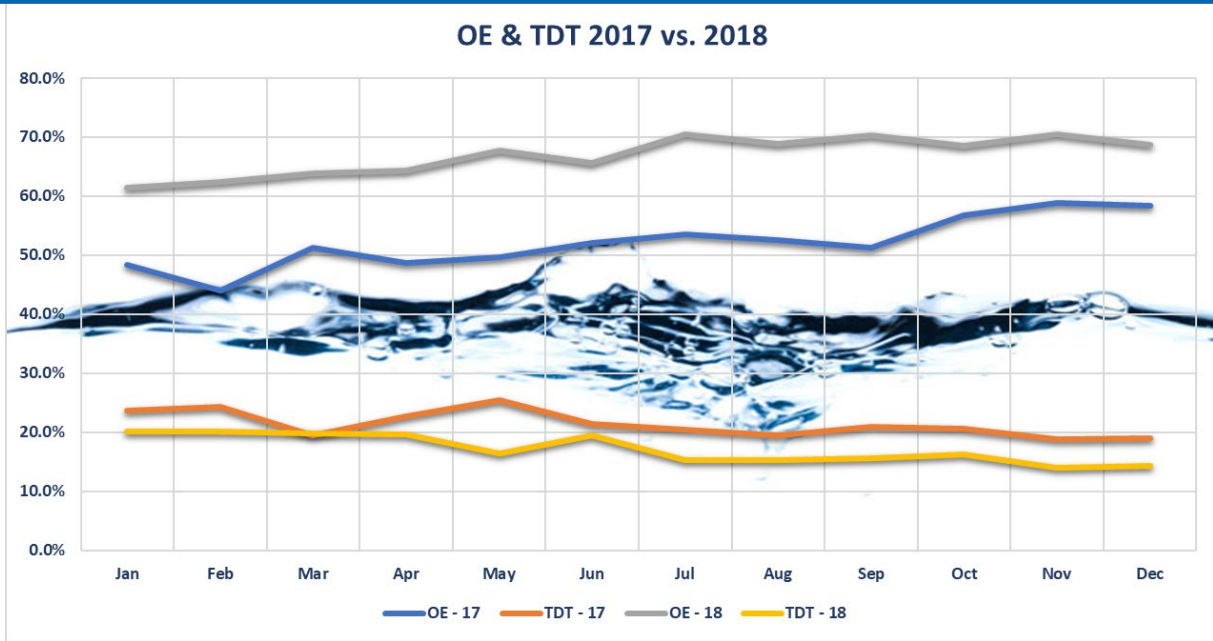
# 2

## PLANT OPERATIONAL EFFICIENCY: OPTIMIZE RESOURCES



- Increased OE by 20% between 2017 and 2018
- Decreased technical downtime by 14%
- Visual targets & performance all around the factory
- Grey water recovery, find it, test it, recover it

**Good-to-know**  
Operational efficiency can measurably decrease your overhead costs





# 3 SHOP FLOOR AWARENESS: TAKE EVERYONE ON THE JOURNEY

- World Water Day events at factory with staff & WWF
- Water stewardship programme
- Messaging on need for joint ownership and action – nozzle taps
- Education on the water crisis?

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**Do you agree?**

It's our responsibility to champion water stewardship with staff & external parties



# 4 WATER POLICY: SELF GOVERNANCE IS KEY

- Have a written policy & infuse across operations
- Self governance (Danone Way Audits) underpins performance - self-check your status against your policy
- Do we still have water going down the drain which is “one pass”? 4% greywater recovery.



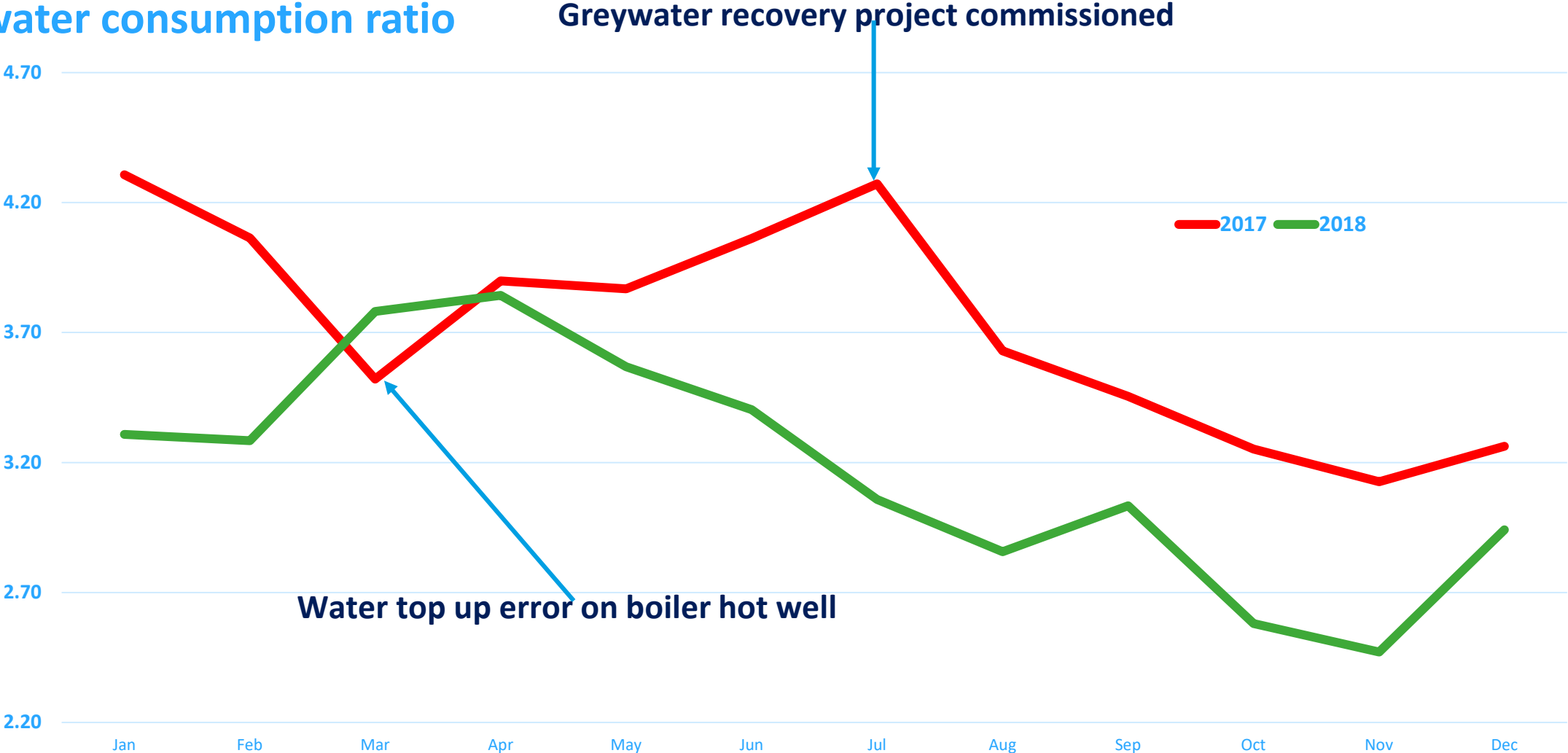
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# RESULTS OF THE PROGRAM

## BBG water consumption ratio



**Food produced sustainably can help protect and restore the health of our planet**



**Establishing win-win situations with our stakeholders in the ecosystem is central to our success**

**Every time we eat or drink we vote for the world we want to live in**



Thank you