



# THE PATH TO CARBON NEUTRALITY



BUCUTI & TARA  
BEACH RESORT · ARUBA

# MEET BUCUTI & TARA

#1 Hotel in the Caribbean

Caribbean's first carbon neutral property





**Gold**

**Travelife**   
Sustainability in tourism



[CarbonNeutral.com](http://CarbonNeutral.com)

# CERTIFICATIONS HELD

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# IMPORTANCE OF CERTIFICATIONS

- Degradation in the 1980s due to tourism growth
- Serve as guidelines to protect natural resources
- Reduce CO2 emissions
- Reduce the cost of doing business to retain rates



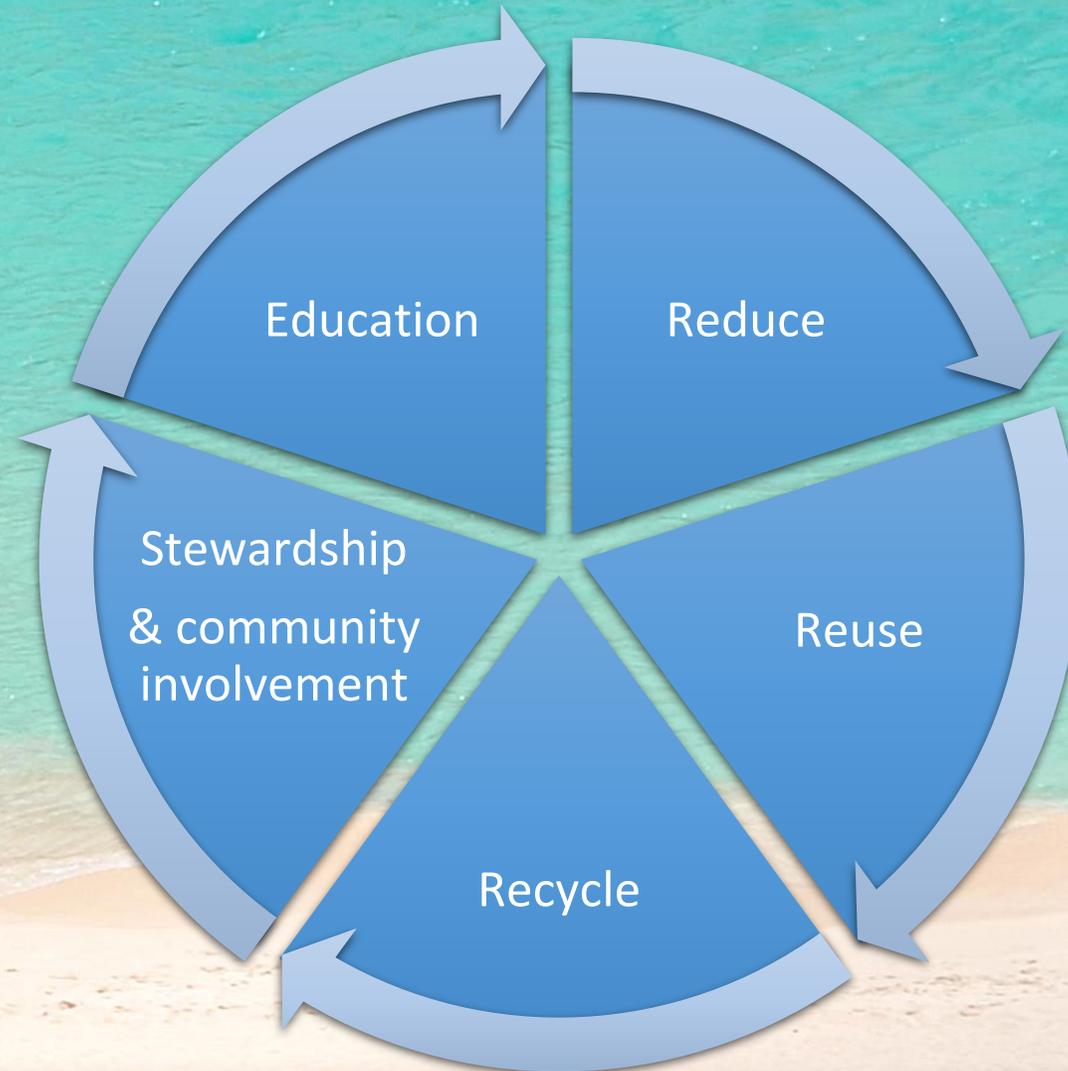
# PHILOSOPHY

**Aruba is not in the Tourism business,  
Aruba is in the Nature business -  
without our Nature, there will be no  
Tourism.**

**~Ewald Biemans**

**Former AHATA President 2013**

# OUR COMMITMENT



# LEED<sup>®</sup> ACCOMPLISHMENTS

During the certification process the following improvements were accomplished:

- Over 50% waste diversion from landfill
- Resort conversion to LED
- Appliances required to be Energy Star rated
- High percentage of staff comfort
- Green cleaning purchasing up to 97%

# HOW TO: CARBON NEUTRAL CERTIFICATION

- Reduce: waste and use of fossil fuel backed energy
- Reuse: materials to reduce waste
- Recycle: anything possible to reduce the production of virgin materials
- Calculate emissions
- Verify emissions with third party
- Offset remaining emissions with an accredited offset project



# REDUCE ELECTRICAL (FOSSIL FUEL-BACKED) CONSUMPTION

- Use Energy Star equipment where possible
- LED lighting
- Motion sensor lighting in public areas
- Temperature control: A/C preset set to 24°C
- Variable Refrigerant Flow cooling system – Energy efficient
- Insulated walls, roof & windows to keep the A/C running efficiently

# REDUCE FOSSIL FUEL USE

- Largest private sector installation on island—173 kW. Provides 15% of our electrical needs. We will be expanding the solar system by another 27kW
- Solar hot water collectors (19)
- Induction cook stoves
- Encourage employee ride sharing
- Consolidate purchases to reduce transportation
- Of the electricity purchased from the government; 25% is renewable energy sources (wind/solar)



# REDUCE WATER CONSUMPTION

- Purchase WaterSense certified fixtures where possible
- Motion sensor faucets installed in public areas
- Aerators installed on guest room faucets to reduce water use by mixing air into the water (1 gallon/minute)
- Low flow showerheads
- Dual flush toilets (0.95 & 0.65 gallons per flush)
- Encourage reuse of towels and linen
- Landscaping with indigenous plants





# REDUCE PLASTIC

- Refillable canteen to all guests
- Water stations throughout property
- No use of disposable plastic items
- Reusable hard plastic cups at the bar
- Bulk purchasing
- Dispensers instead of portion controlled toiletries



# REDUCE OTHER WASTE

- Plated food portions reduced by 30%
- Pilot food waste project with the World Wildlife Fund; able to further reduce food waste by 30% through tracking and associate training sessions.

[See case study](#)

- Landscaping material composted



# REUSE MATERIALS

- Defective towels repurposed for gym
- Defective linens repurposed to laundry bags
- Welcome cards made from cardboard
- Food scraps provided to a pig farmer
- Grey water used for irrigation



# RECYCLE

- Cardboard
- Glass
- Kitchen oil
- Returnable bottles and containers



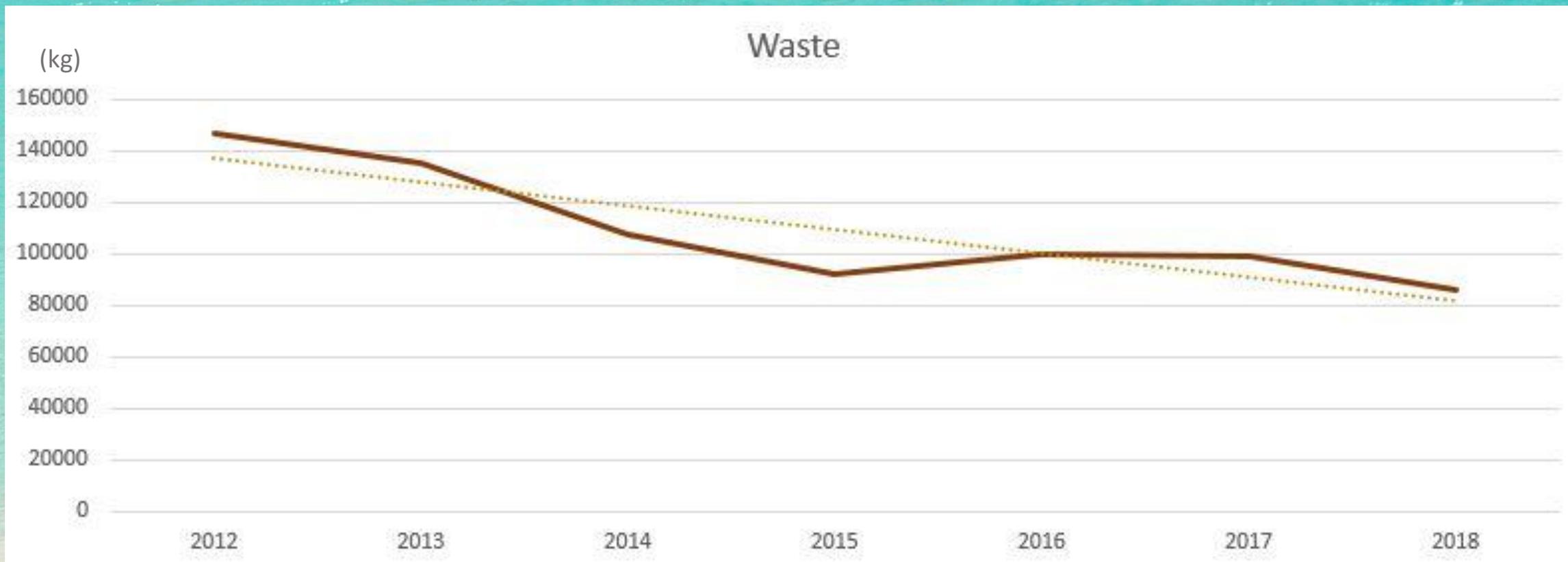
# WASTE DIVERSION AUDIT

Amount (by weight in pounds/lbs.)

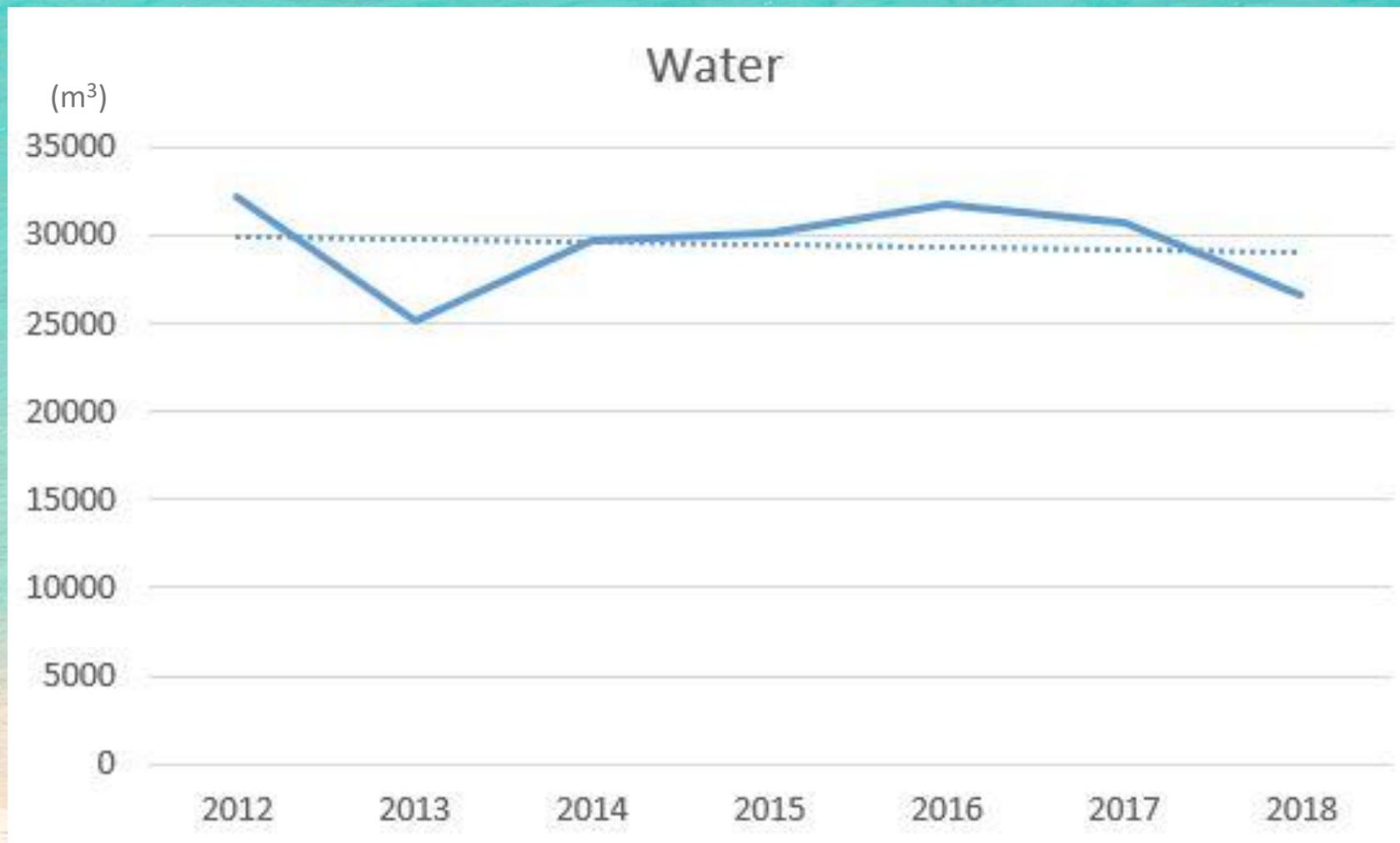
	Landfill Stream	Diversion Stream	Total Stream	Waste Type Not Diverted (%)	Waste Type Diverted (%)	Total Waste Associated with Total Waste (%)	Diversion Program
Glass	44.95	302.65	347.6	12.93	87.07	33.56	Yes
Aluminium	3.7	0	3.7	100.00	0.00	0.36	No, seperated off property
Plastics	10.8	0	10.8	100.00	0.00	1.04	No, seperated off property
Mixed Paper	9.35		9.35	100.00	0.00	0.90	No, seperated off property
Cardboard		63.7	63.7	-	100.00	6.15	Yes
Fluorescent Lamps			0	-	0.00	0.00	No, unavailable
Batteries			0	-	0.00	0.00	No, unavailable
Wet Waste	327.15	271.9	608.85	-	0.00	58.78	Partially
Miscellaneous	1.6		1.6	100.00	-	0.15	No, unavailable
Landscaping			0			0.00	Yes
<b>Totals</b>	<b>397.55</b>	<b>638.25</b>	<b>1035.8</b>	<b>38.38</b>	<b>61.62</b>	<b>100.00</b>	

*Example provided from Bucuti & Tara Housekeeping, Aug. 22, 2018.*

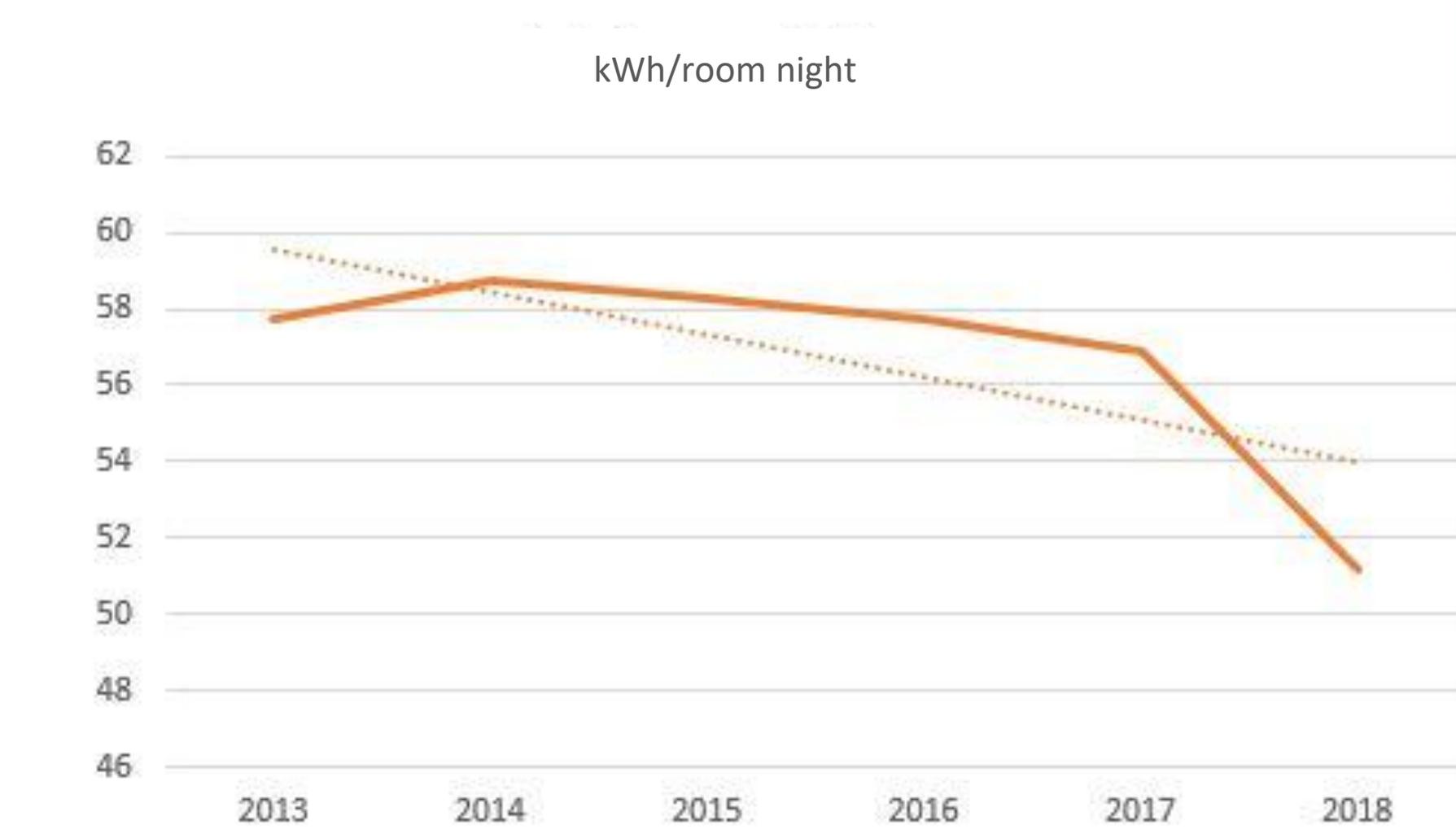
# WASTE MANAGEMENT EFFICIENCY



# WATER EFFICIENCY



# ENERGY EFFICIENCY



# ECO ROOMS

- Minibar offers coral safe natural local made sunblock
- Farmed wood
- Door sensors that work with the AC
- Green seal certified cleaning products (chlorine eliminated at 99%)
- Dehumidifiers
- HEPA filter air purifiers
- VOC elimination



# ECO FACILITIES

- Elements Restaurant
  - Deck made of recycled material
  - Induction cook stoves
  - Fair trade coffee & teas
- Pool
  - Salt water chlorination system
- Fitness center
  - Gym flooring made from recycled material
  - Repurposed towels
  - Electricity generating equipment
  - Insulated windows



# COMMUNITY INVOLVEMENT

- Showcase local artists on property
- Supporters of Turtugaruba, Donkey Sanctuary, Animal Rights Aruba
- Adopt a Pet Program for associates and guests



# COMMUNITY INVOLVEMENT

- Founder and sponsor of “Stimami sterilisami” spay and neuter program
- Activists against unsustainable practices
- Educational tours and trips for students, and all interested parties



The flyer is titled 'BUCUTI & TARA' and features three main sections. The top section lists three benefits of sterilization, each accompanied by a small icon of a dog's head. The middle section is a green box with a purple background on the left containing photos of a dog and a cat. The bottom section is a white box with a teal background containing a price table and contact information.

**Pa per freña e problema aki, nos meser di tur dafa di mascota pa yuda d'eor di sterilisa nan mascota y mas hepi cacho y pushi di caya pesibel.**

**E operacion ta un elemento esencial pa ta un dafa responsabel. Tambe e operacion ta contribui na abaja poblacion dimas di pushi y cacho di caya. Adicionalmente e ta un beneficio importante pa e salud di e bestia.**

**E operacion di sterilisacion ta encara remove e organanan reproductivo di e pushi of cacho, sea hembra of macho.**

**E bentananan positivo di Sterilisacion pa bo mascota ta:**

- Nan tin un bida mas largo
- Nan ta mas resistente na malesa
- Nan ta mas leyal
- Na mas puppies indesea

Sea asina bon y responsabel di sterilisa bo pushi of cacho y ricibi un prijs special.

Prijs special:	
Cacho hembra:	Afl 75 (plus BBO)
Cacho macho:	Afl 100 (plus BBO)

Pa mas informacion bisita:  
[www.stimamisterilisa.com](http://www.stimamisterilisa.com)



# GUEST PARTICIPATION

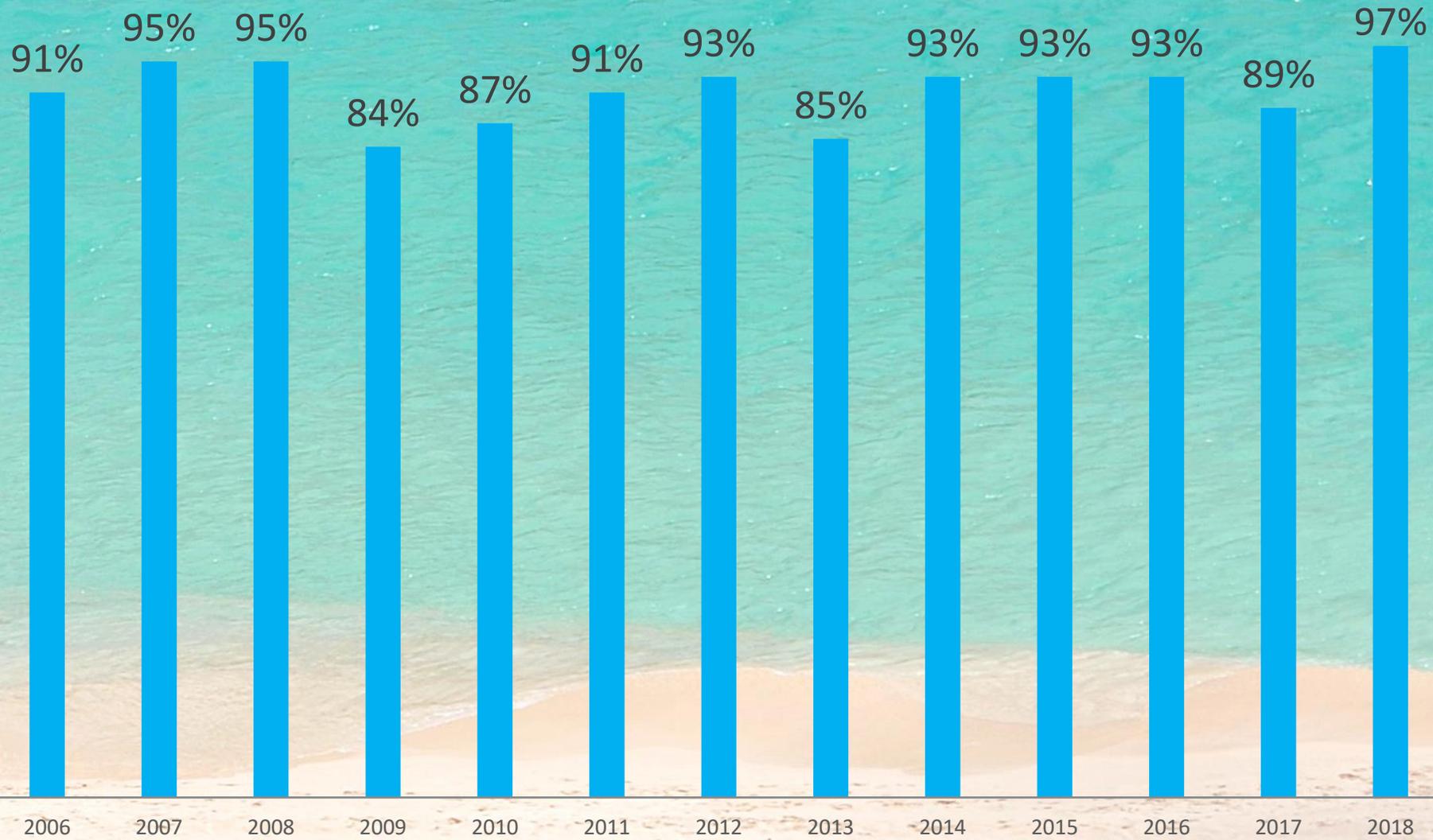
- Monthly beach clean ups
- Yearly coastal clean up
- Earth day activities
- Green stay program
- Pack for a Purpose



**PACK** for a **PURPOSE**<sup>®</sup>  
Small Space. Little Effort. Big Impact.



# OCCUPANCY



Under renovation

# CARBONNEUTRAL<sup>®</sup> CERTIFICATION

First resort in the Caribbean to achieve net zero certification



Certification CarbonNeutral <sup>®</sup> hotel	Duration 8/29/2018-8/28/2019
Name of organisation Bucuti & Tara Beach Resort	Quantity of contractual instruments 853 tonnes CO <sub>2</sub> e
Subject Bucuti & Tara Beach Resort	
Project information Aruba Wind, Aruba, Gold Standard VER (853 tCO <sub>2</sub> e)	

Contract: 818001

**853 tonnes CO<sub>2</sub>e**

Certificate issued by: **NATURAL CAPITAL PARTNERS**

Certificate Number: CN018087050  
This CarbonNeutral<sup>®</sup> certificate conforms to the requirements of The CarbonNeutral Protocol. For the current version, please visit [carbonneutral.com](http://carbonneutral.com)



# HIGHEST CERTIFICATION SCORE IN THE WORLD

“Most Sustainable Hotel in  
the World”

- Green Globe 2016



# AWARDS FOR SUSTAINABILITY

- Winner of WTTC's Climate Action Award - 2019
- Caribbean's First Certified CarbonNeutral® Resort – 2018
- Energy Globe National Winner - 2018
- Social Responsibility CHIEF Award for Spay & Neuter Program, Caribbean Hotel & Tourism Association - 2018
- Environmental Sustainability CHIEF Award, Caribbean Hotel & Tourism Association - 2017
- Leader in Sustainability: Ewald Biemans - 2016 Gold Adrian Award HSMAI/National Geographic Traveler
- "Most Sustainable Hotel in the World" - 2016 Green Globe Platinum
- Highly Commended in Americas - 2015 Green Hotelier Awards

# AWARDS FOR SUSTAINABILITY

- Eco-Friendly Hotel - 2015 Travel Weekly Magellan Award
- GreenLeader Platinum - 2015 TripAdvisor
- Green Hotelier of the Year (Owner Ewald Biemans) - 2014 Caribbean Travel Awards
- Green Globe High Achievement Award - 2011
- Green Globe Award for Superior Environmental Protection - 2009
- Green Award - 2009 American Express
- Green Hotel of the year - 2009 Caribbean Hotel Association
- Environmental Award - 2009 International Hotel & Restaurant Association
- Environmentally friendly and sustainable practices - 2009 ISLANDS Blue List
- National Geographic Traveler “Stay List” - 2009