

Presentation to Dutch Caribbean Economists

Date: April 9, 2025

Place: Avila Beach Hotel - La Belle Alliance



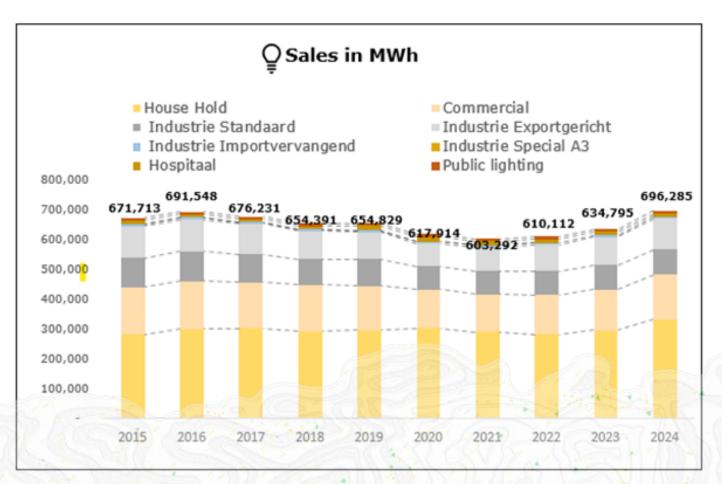
- Setting the stage: Where we stand today
- The road ahead: What the future holds
- The economic impact: Catalyzing transformation
- Leading the change: our commitment
- A vision worth building together

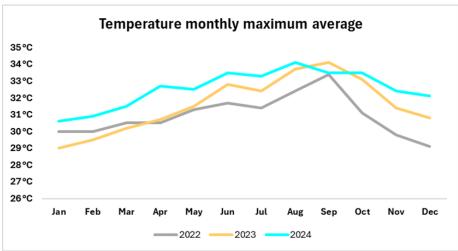
## SETTING THE STAGE Where we stand today

Current energy mix | Pain points | Recent progress | Economic context

# THE ENERGY FUTURE OF CURAÇAO IS NO LONGER ON THE HORIZON, IT'S AT OUR DOORSTEP.

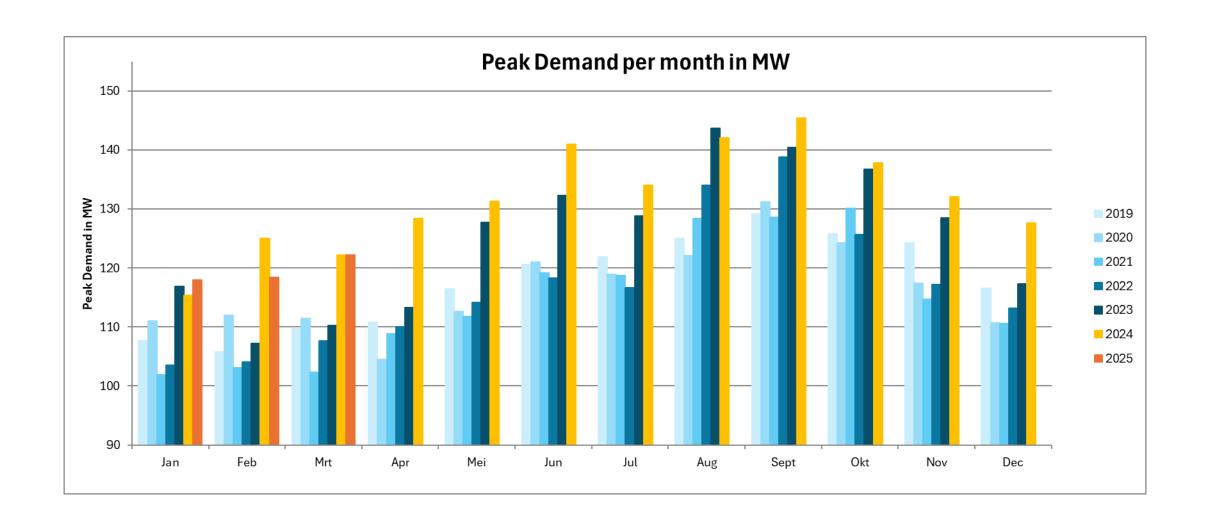
#### **Demand growth**







#### **Peak demand**



#### Pain points

- Cost of electricity
- Changing grid dynamics
- Aging infrastructure
- Lack of policy development

## PIVOTING WITH PURPOSE RELIABILITY AFFORDABILITY SUSTAINABILITY

#### Recent progress

- Focused on maintenance of plants to increase availability
- Changed fuel type to Marine Fuel Oil
- ► Increased wind capacity with 22MW to reach 50% renewable energy penetration
- Conducted capacity, grid stability, grid structure and grid protection studies to increase reliability
- Ongoing investment projects to increase production and grid capacity

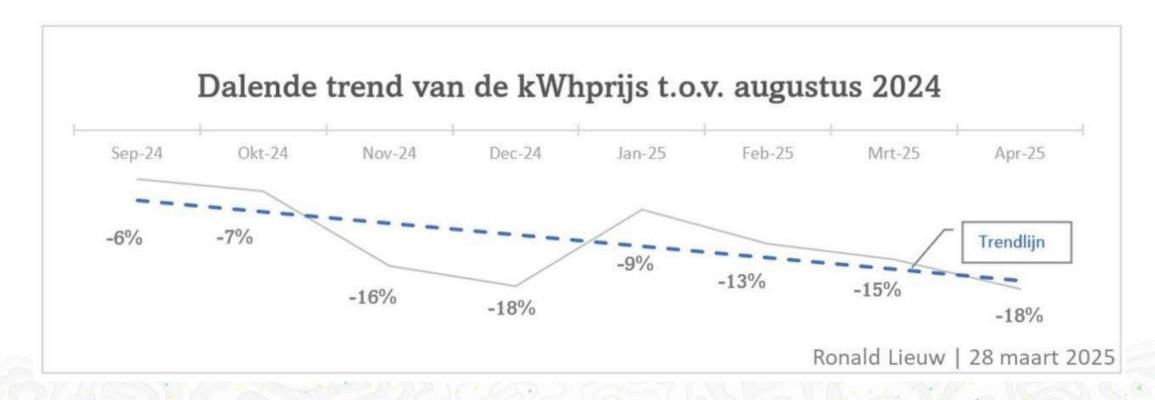
#### Tangible progress

	2024	2023	
	(Projected/unaudited)	(Audited)	% of change
Sales electricity (in MWh)	696,377	634,795	+9%
Sales water (in m3 x 1,000)	10,554	10,145	+4%
Average tariff Electricity (in ANG/kWh)	0.66	0.70	-6%
Average tariff Water (in ANG/m3)	11.38	11.70	-3%
EBITDA (in ANG x 1,000)	97,807	91,898	+6%
Accounts Receivable (net - in ANG x			
1,000)	195,685	190,622	+3%
Days Sales Outstanding	88	105	-17%
CAPEX (in ANG x 1,000)	177,254	69,322	+156%
Non-Revenue Electricity (in %)	16.51%	19.45%	-15%
Non-Revenue Water (in %)	28.7%	29.2%	-2%
Number of employees	564	584	-3%

#### **Tangible progress**

	2024 (Projected/unaudited)	2023 (Audited)	% of change
Power Supply Chain			
Number of interruptions - Grid	12,054	11,250	+7%
Average duration of interruptions - Grid (in minutes)	28	32	-12.5%
Number of interruptions - Plants	25	35	-29%
Average duration of interruptions - Plants (in minutes)	59	111	-47%
Overall plant availability (in %)	88.60%	84.50%	+5%
Renewable Energy Penetration (annual average)	29%	28%	+4%
Fuel Usage (in Metric Tons)	155,379	146,401	+6%
Water Supply Chain			
Number of interruptions - Grid	5986	6063	+1%
Average duration of interruptions - Grid (in minutes)	1386	1052	+32%
Number of interruptions - Plants	6	17	-65%
Average duration of interruptions - Plants (in minutes)	470	1002	-53%
Overall plant availability (in %)	94.3%	90.5%	+4%
Commercial Affairs	20,000	27.400	ı A07
Number of customers handled	39,099	37,428	+4%
Number of phone calls answered	132,432	143,814	-8%
Number of disconnections	20,919	15,923	+31%
Number of reconnections	15,161	14,472	+5%
Total bills issued	1,123,465	1,090,375	+3%
Number of RPI inspections	4,855	4,442	+9%
Total fines imposed (in ANG)	5,787,500	1,053,000	+450%

#### **Tariff developments**



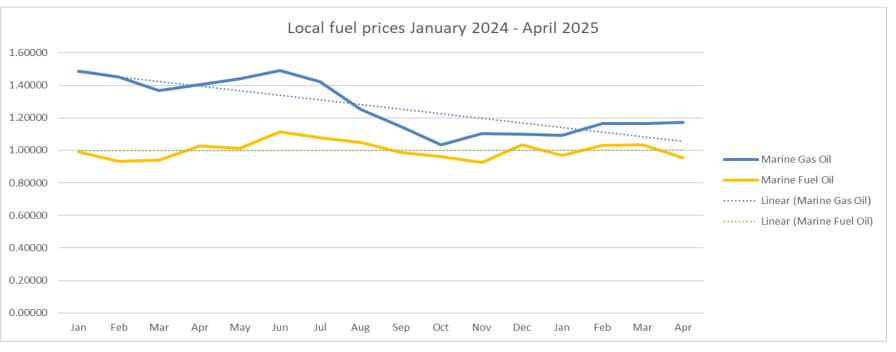
#### Reasons mentioned by the author:

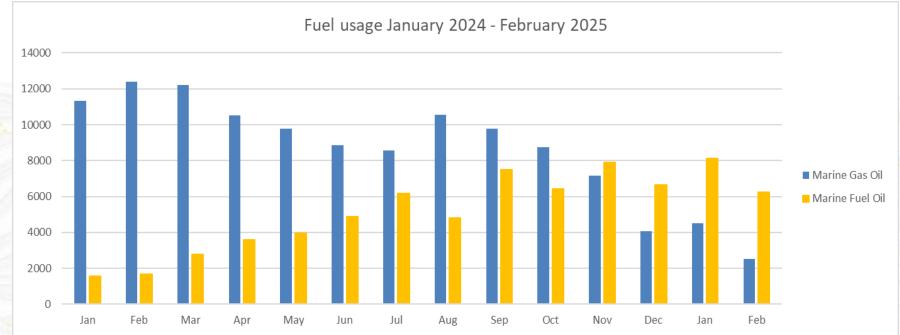
- New windpark
- Lower fuel prices

#### What really happened:

- Higher availability of plants
- Change to MFO
- After January 2025: new windpark

#### **Fuel prices**





#### **Economic context**

Expenditure category	Category	2024											
	weight 2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	D
OTAL	10000	-0.4	0.3	0.2	0.3	0.3	0.3	1.5	-0.2	0.0	-0.1	-0.6	
100D	1272	0.3	0.4	0.1	-0.1	0.1	0.8	1.8	0.0	-0.3	-0.2	0.0	
Cereal products	182	0.4	0.7	0.8	-0.1	0.7	1.3	3.6	0.0	-0.3	-0.1	-0.3	
feat and fish	247	0.0	0.1	-0.8	-1.2	-3.0	3.1	0.6	-0.6	-1.0	-0.5	0.1	
ats and cooking oils	25	0.3	-0.2	-0.4	-0.4	0.2	0.2	1.1	0.1	0.0	-0.3	0.0	
airy products (except butter)	94	1.3	0.6	-0.3	-0.5	0.8	0.0	0.1	0.2	-0.3	0.6	-0.5	
otatoes, vegetables and fruits	160	-0.5	1.2	0.7	0.0	0.7	-0.4	0.7	0.0	-0.5	-0.3	-0.2	
ugar and chocolate	32	2.0	0.9	1.3	3.7	-3.7	0.6	1.6	0.2	1.1	-2.5	-2.1	
repared food	60	1.0	-0.1	0.7	-0.1	0.7	0.0	2.2	1.2	0.0	-0.1	-0.2	
Outdoor consumption	393	0.1	0.0	0.0	0.2	1.4	0.2	2.5	0.0	0.1	0.0	0.6	
ood n.e.s.	79	0.1	1.6	0.4	0.2	0.2	0.5	1.2	0.1	-1.2	-0.4	-0.3	
EVERAGES AND TOBACCO	140	0.6	0.5	0.3	-0.4	0.8	0.3	0.3	0.2	0.3	-0.2	-0.1	
Severages	128	0.6	0.5	0.3	-0.5	0.8	0.3	0.3	0.2	0.4	-0.2	0.0	
obacco	12	0.4	0.0	0.5	0.0	0.6	0.2	0.0	0.0	-1.2	-0.2	-0.9	
LOTHING AND FOOTWEAR	317	1.3	0.5	0.6	-2.0	-0.5	-0.1	0.7	0.1	-0.3	-0.1	-0.1	
Clothing	267	1.2	0.6	0.7	-2.1	-0.3	-0.1	1.0	0.2	-0.3	-0.1	-0.2	
ootwear	50	2.0	0.0	0.0	-1.5	-1.7	0.0	-0.6	0.0	0.0	0.0	0.9	
IOUSING	2488	-1.5	0.1	-0.1	-0.4	-0.6	1.6	1.3	-0.5	-1.1	0.2	-1.5	
Welling costs	1459	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
nergy expenses	474	-5.7	-2.5	0.9	-2.3	-3.7	8.1	1.4	-2.2	-5.1	-1.2	-7.0	
Maintenance of dwelling	208	-0.6	0.0	0.0	2.5	0.0	0.0	5.4	-0.1	-0.2	0.0	0.0	
Sarden maintenance	73	-0.3	0.0	0.0	-6.1	0.3	0.0	4.8	-1.0	-2.0	-0.4	-0.2	
Vater	274	-4.0	4.6	-3.6	-1.4	-0.1	0.9	3.3	-2.0	-2.2	2.9	-4.2	
IOUSEHOLD FURNISHING AND APPLIANCES	1072	-0.3	0.9	-0.2	1.9	1.5	0.3	3.6	0.0	-0.1	0.0	-1.3	
urniture and illumination	194	-0.6	0.0	0.0	11.0	2.3	-0.4	2.6	-0.2	-1.5	0.0	0.2	
Ipholstery and dwelling textile	116	-1.2	-0.2	-2.8	-0.7	7.5	0.0	18.2	0.0	0.0	0.0	-8.3	
lousehold appliances and tools	148	-1.3	-1.0	0.3	-0.5	0.9	3.0	-0.3	0.2	1.6	0.1	-1.8	
fousehold articles	92	0.2	0.3	0.7	0.2	0.9	-0.2	0.7	-0.2	-0.1	0.2	-0.5	
lousehold expenses n.e.s.	122	-0.3	0.2	-0.2	1.1	1.2	-0.3	1.6	0.1	-0.1	-0.3	-0.8	
Domestic services	188	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
lousehold furnishing n.e.s.	212	-0.4	-0.2	0.1	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	
MEDICAL CARE	180	-0.4	0.2	0.3	0.3	0.0	0.1	0.9	0.0	-0.3	-0.3	-0.5	
Medical care	180	-0.4	0.2	0.3	0.3	0.0	0.1	0.9	0.0	-0.3	-0.3	-0.5	
RANSPORTATION AND COMMUNICATION	1988	-1.0	0.6	1.0	1.3	0.8	-0.9	1.2	0.0	1.3	-0.5	0.1	
ransport vehicles in ownership 1)	417	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
expenses for own transport vehicles 1)	533	-1.9	2.3	2.2	4.5	-0.5	-2.0	4.5	-0.1	0.3	-1.7	0.5	
ransport services	369	-0.5	0.0	0.1	-0.1	0.0	-2.3	0.0	0.0	8.1	0.0	0.0	
Communication	669	-0.4	0.0	1.1	0.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	
ECREATION AND EDUCATION	1250	0.3	-0.1	0.0	-0.2	-0.1	0.0	1.7	-0.1	0.6	-0.2	-0.3	
Recreation	841	0.4	-0.1	0.0	-0.5	-0.9	0.0	0.6	0.0	0.8	-0.2	-0.2	
intertainment and culture	145	0.1	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	
looks etc.	134	0.7	0.0	0.0	0.8	0.7	0.0	5.7	-0.7	-1.4	0.0	-1.0	
ducation	100	0.0	0.0	-0.3	-0.6	2.9	-0.1	6.5	0.1	3.3	-0.3	-0.9	
lobby articles	30	-1.1	0.0	0.8	3.1	1.3	0.0	5.4	-0.8	-2.7	0.0	0.8	
IISCELLANEOUS	1293	1.1	0.2	0.2	0.0	1.1	-0.3	0.1	0.0	-0.1	0.0	-0.1	
Personal body care	361	3.0	0.4	0.5	-0.4	4.2	-1.0	0.1	0.1	-0.5	0.1	-0.4	
nsurances	478	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
isdiances													

Not for business use

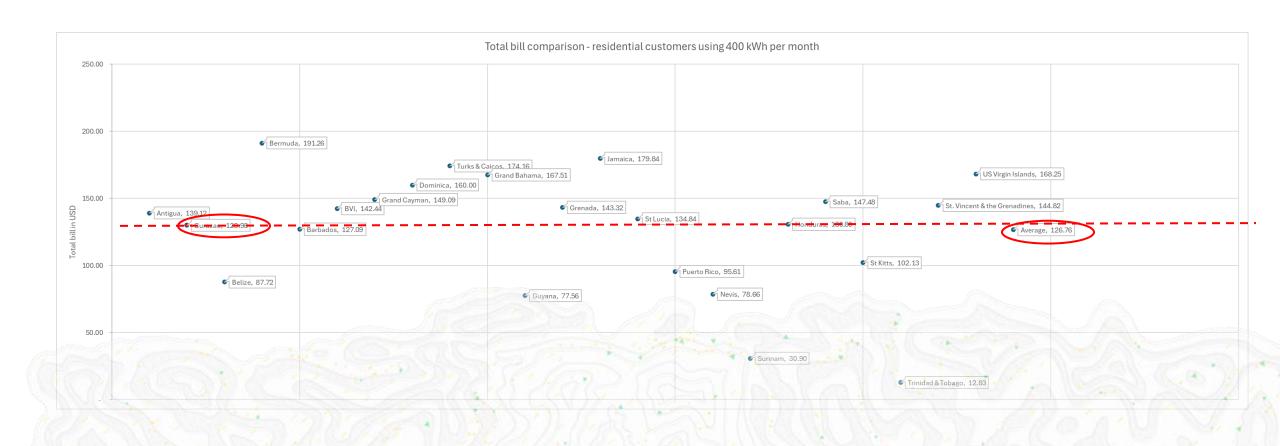
<sup>2)</sup> Estimated values

<sup>2/27/2025</sup> 

#### **Economic context**

- Total fuel expenses was ANG 20 million lower in 2024 compared to 2023, despite the 9% sales growth;
- Preliminary results of an economic impact study show that Aqualectra contributed to:
  - the GDP growth with approx. 2% of the growth;
  - ► Lowering the inflation rate with 0.13 points;
  - ANG 35 million in additional tax revenue
- More than 350 jobs were created during 2025 as a result of Aqualectra's investments

- Our infrastructure is more complicated than other islands;
- Number of inhabitants per square kilometers an important input;
- Past urban planning choices crucial;
- Geographical conditions
- Correlation total energy use and peak load







#### **Comparison with the Netherlands**

Average tariff per kWh in 2024

**CUR: ANG 0.66** 

NL: EUR 0.30 (ANG 0.57)



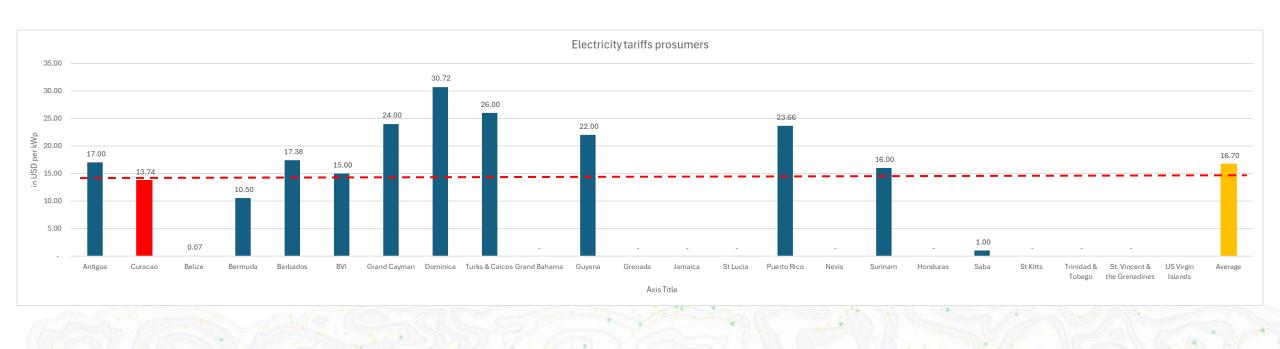
#### **Comparison with the Netherlands**

Average tariff per kWh April 2025

**CUR: ANG 0.56** 

NL: EUR 0.32 (ANG 0.60)







2030 Vision | Key milestones | Innovation and people | Partnerships | Enablers

#### STARTING WITH OUR WHY

#### RELIABLE | AFFORDABLE | SUSTAINABLE

#### **OUR PURPOSE**

To fundamentally contribute to the wellbeing of the citizens of Curacao

#### **OUR VISION**

To lead Curacao into the future by transforming its utilities

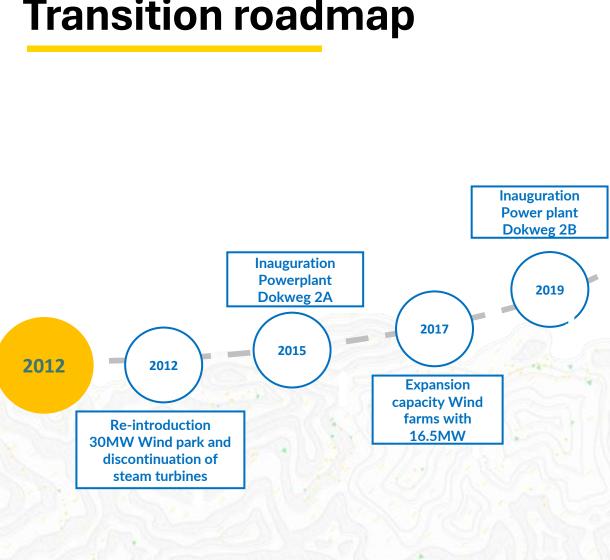
CORE BUSINESS **CUSTOMER CENTRICITY** 

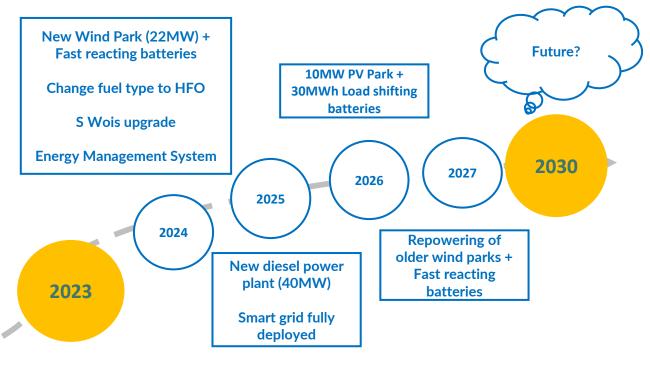
PEOPLE LEADERSHIP

INNOVATION

CORPORATE SOCIAL RESPONSIBILITY

#### **Transition roadmap**





Aqualectra is aware of its responsibility and the need to set an example as it has the ambition to contribute to the development of its community and the Caribbean region. Therefore, there are more initiatives pending to be reached in long term:



Internal re-organization and construction of new head quarters



Turnaround in customer service concepts



Smart LED streetlights



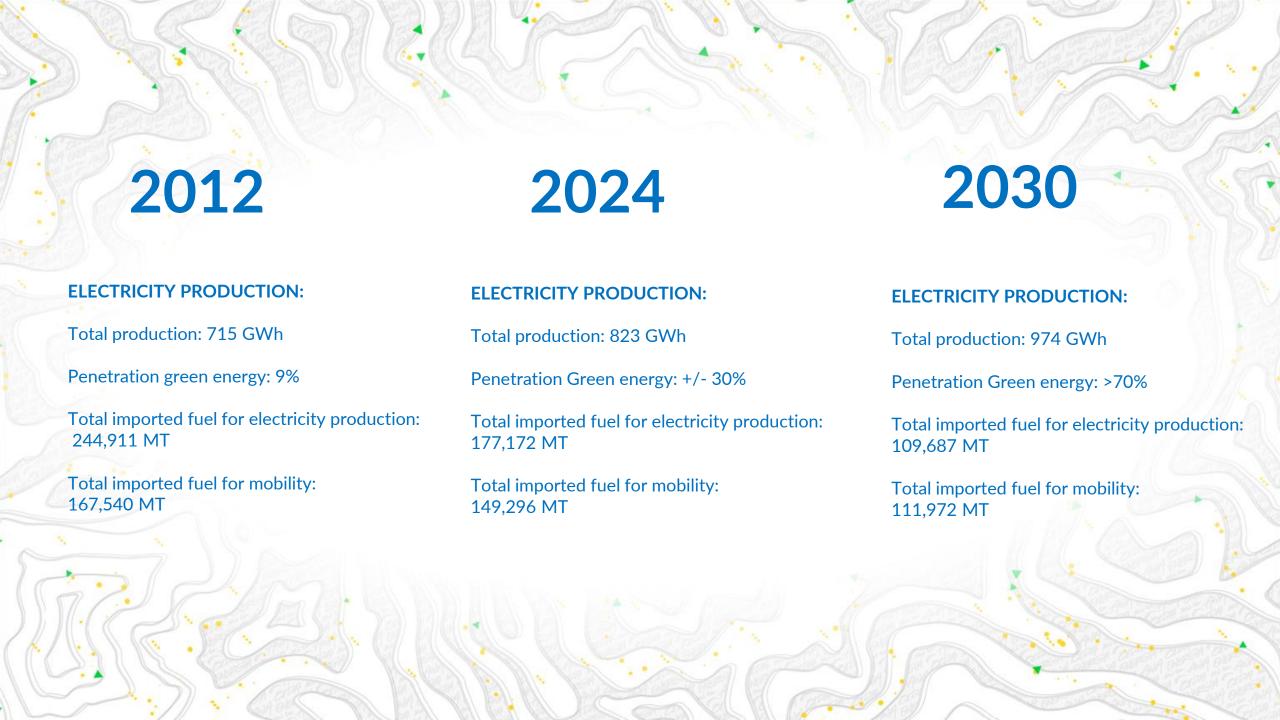
Advanced Metering Infrastructure and the introduction of a Telecom company



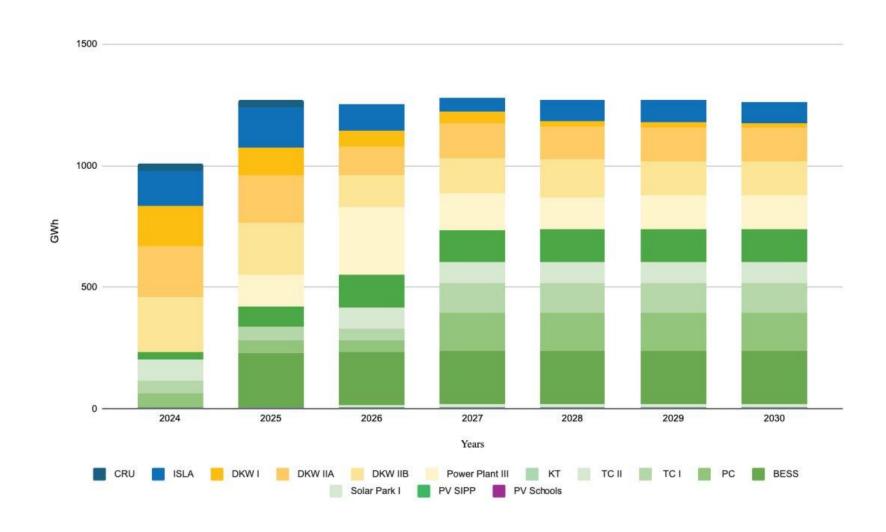
New Water plant and water grid expansion



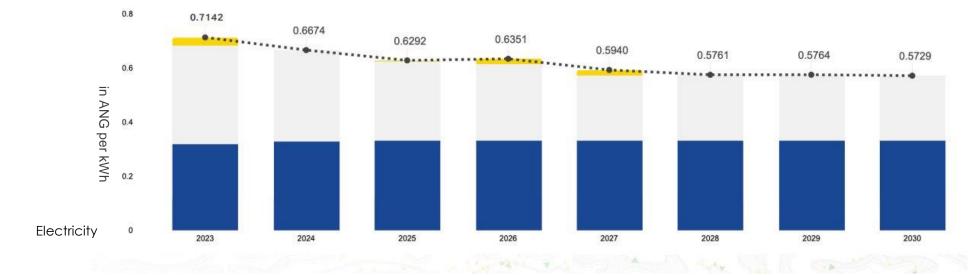
Various grid adjustments to prepare for increased renewable energy penetration

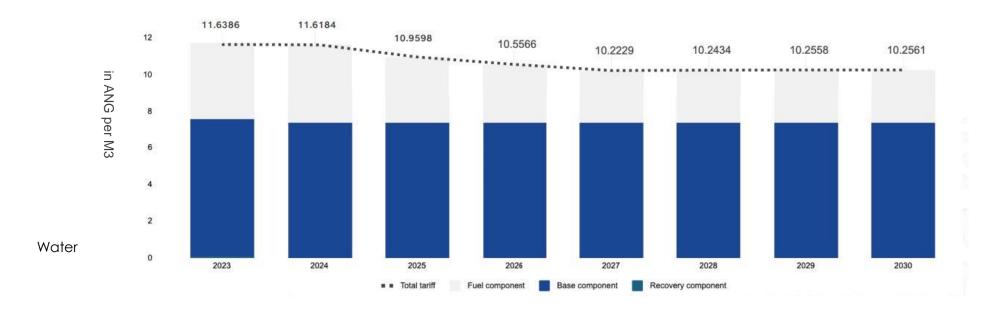


#### PRODUCTION MIX



#### **TARIFFS**





#### In only 15 years' time (2012 – 2027), Aqualectra will have

Increased our renewable energy penetration from 9% to 70%

Lower our full consumption by 55%, despite significant increases in sales

Lower tariffs with more than 20%

#### Challenges ahead

- Workforce transformation
- Digital transformation and cyber risks
- Electrification and the lack of policies
- Economic developments and the lack of policies
- Energy poverty

#### All hands on deck

- Regional collaboration
- Private sector involvement
- Regulator
- Community engagement



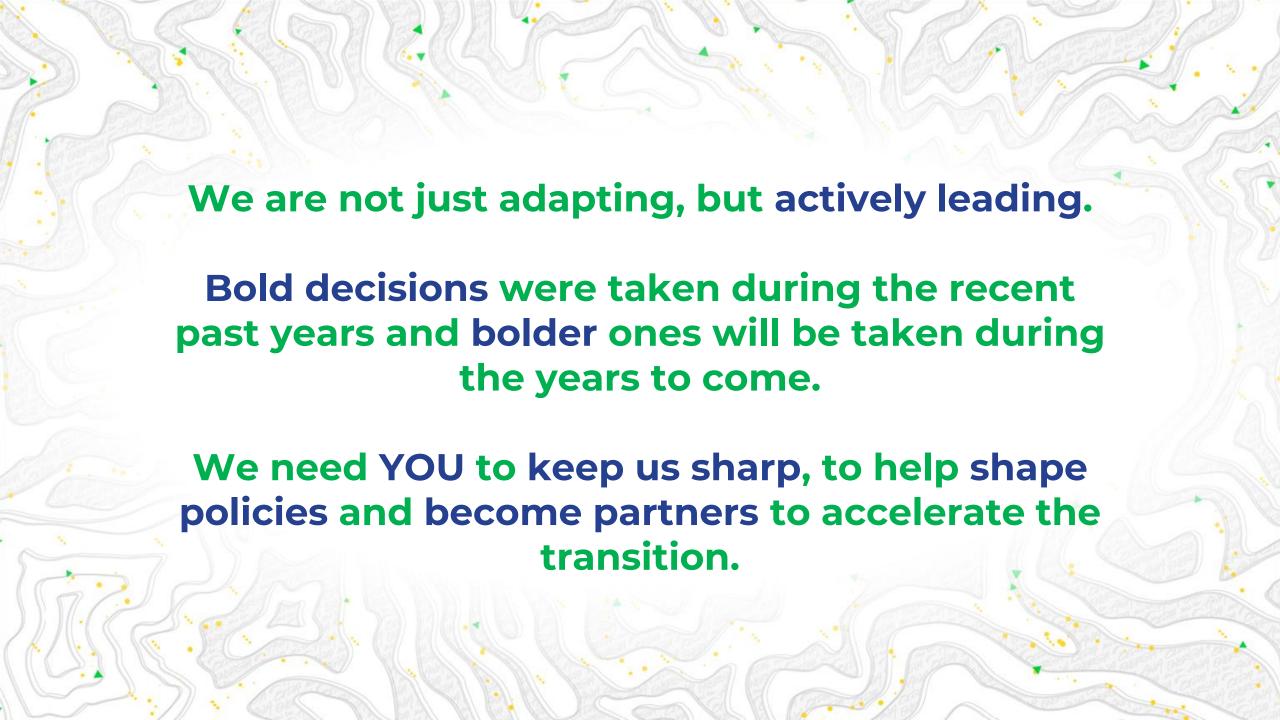
Investment needs and job creation | Tariffs | resiliency and self sufficiency | New sectors and skills

#### The ripple effect and big picture value

- ▶ Investment needs: Over XCG 600 million
- ▶ **Job creation:** More than 150 per year
- Lower energy costs: negative inflatory effect year-on-year
- Balance of payment and foreign exchange reserves:
  More than XCG 100 million less imports
- Resiliency and self-sufficiency
- New sectors and skills

### LEADING THE CHANGE Our commitment

Energy as catalyst | Pivoting | What we need from you



#### A VISION WORTH BUILDING TOGETHER