

## Greenhouse gas (GHG) report Aqualectra

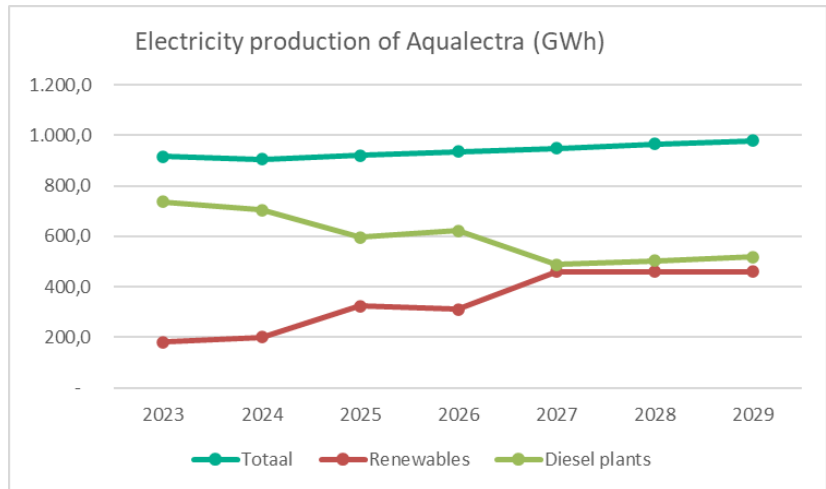
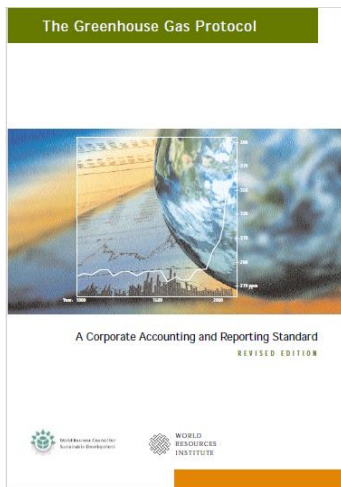
Curaçao, 2024

### Client info:



Name: Aqualectra  
Sector: Power and utility  
Location: Curaçao

Aqualectra is Curacao's utility company responsible for the production and distribution of power and water as well as the delivery of accompanying services.



**Rationale:** Aqualectra plans to convert its electricity production towards a more sustainable production mix. This will be done by increasing the renewable penetration and thus decreasing the use of fossil fuels. This change will also contribute to reducing their emissions of GHG. Aqualectra wants to get a better insight in their total GHG emissions and the impact of the future production mix (2024-2029) on these emissions. For that reason, Aqualectra decided to set up a GHG reporting and accounting system for their operations.

**Approach:** As basis for the Aqualectra GHG accounting and reporting system the 'Greenhouse Gas Protocol, A Corporate Accounting and Reporting Standard' (WRI and WBCSD, 2004) was used. The accounting was limited to scope 1 (direct emissions) and scope 2 (purchased electricity). The accounting for direct emissions includes emissions from burning fuels (both stationary and mobile), emissions from air conditioning systems and emissions from firefighting systems. The reporting period is the calendar year 2023. For stationary combustion, also the emission for the forecast of deployment of the (stationary) production units for the period 2024 to 2029 are calculated and reported. The inventory has been executed on carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), and hydrofluorocarbons (HFCs).

**Outcome:** A first Greenhouse gas report of Aqualectra for internal use and comparison with other regional power companies.