

RTZ Plan & Pledge - DOMAINE BOUSQUET SA

Pledge:



At Domaine Bousquet, we commit to aligning our climate strategy with the 1.5°C goal of the Paris Agreement and the Race to Zero campaign. We pledge to reduce our absolute Scope 1 and 2 GHG emissions by 50% by 2030 from a 2024 baseline, while reducing Scope 3 emissions by more than 30% over the same period. We further commit to achieving Net Zero GHG emissions across our value chain by 2050 at the latest through deep decarbonization and the neutralization of residual emissions. Climate action will be embedded into our governance, transparently reported, and advanced through collaboration with suppliers and partners across our value chain.

As a regenerative organic winery managing 172 hectares, we will prioritize renewable energy, energy efficiency, electrification, sustainable logistics, circular materials, and soil carbon sequestration.

DOMAINE BOUSQUET Transition Plan High-Level Summary Towards 2030

	Initiative Description (Also include actions to phase out non-CO2 gases other than methane)	Emission 2024 (TCO2e)		% Reduction Target	Upfront Capital Investment (USD)	Emissions reduction per year by 2030 (Ton CO2e)	Detail on Activity	How Activity Differs from Business as Usual (with sustained increases in non-fossil CAPEX and/or investment in non-CO2 GHG reduction)		
		Internal (Scope 1,2)	External (Scope 3)							
1	Implement a utility-scale behind-the-meter (BTM) photovoltaic (PV) system to decarbonize Scope 2 emissions by significantly increasing the share of self-generated renewable energy in the facility's total energy mix	515	-	30%	\$191.228,40	155	Implement 10% in 2026, 10% in 2027 in situ, and an additional 10% by 2030.	The renewable energy from the grid in 2024 is up to 18%. We want to produce 70% of our energy needs by solar panels by 2030.		
2	Contract green energy from the grid			40%	NA	206	Implementation of 40% in 2027, 30% in 2028.	The national grid currently has 12% green energy. Purchase directly from solar panel wholesalers will be 70% for the energy applied to the well pumps.		
3	Install solar water heaters to reduce energy use for hot water production			3%	\$1.890,00	15	Implement solar water heater by 2025, and 2 more by 2028.	Shifts from fossil fuel-dependent water heating to solar thermal heaters, reducing emissions and reliance on gas.		
4	Reduce energy use through water irrigation efficiency			10%		52	Achieve a 10% reduction in energy for well water pumping through enhanced irrigation efficiency and robust meta-analysis	Business as usual relies on standard irrigation practices. This initiative achieves a 10% reduction in energy for well water pumping through enhanced irrigation efficiency and robust meta-analysis.		
5	Implement precision fertilization based on nitrogen balance models, soil analyses, and foliar diagnostics to reduce external inputs	253		75%	\$21.007,40	189	Hours of work and use of App for Nitrogen balance efficiency, taking into account Annual Soil Analysis, Foliar Analysis, and Compost application. Minimal disturbance and good irrigation efficiency should be sufficient for efficient decision and application.	Reducing external inputs is already one of our Biodynamic and Regenerative objectives. It differs from conventional agriculture that extracts all resources from its land and buys inputs to correct its deficit.		
6	Establish a weekly preventive control plan for refrigerated internal systems and install fugitive gas leak sensors	148		50%	\$120,00	74	Use of fugitive gas loss sensors to avoid large losses.	Unlike reactive maintenance, this requires investment in sensors and dedicated human labor for weekly preventive controls to reduce non-CO2 emissions.		
7	Implement drone-based phytosanitary applications	104		10%	\$4.000,00	10	Rent a drone for the 501 applications	Applications usually increase soil compaction from tractors, which are typically fossil fuel-based, and increase the necessity of tillage due to their use.		
8	Transition to electric mobility by purchasing two electric motorcycles			10%	\$10.000,00	10	Year 2025, Purchase of 1 electric motorcycle, year 2026/2027.	Usually, short-distance transportation inside the vineyards is done with tractors, which have a high fossil fuel consumption. Electric motorcycles will help improve the agility and efficiency of these internal movements. Electric tractors are not yet implemented in Argentina.		
9	Replace all LPG-powered forklifts with electric models			46	20%	\$50.000,00	9	Purchase of electric forklift by year 2026 and second electric forklift by 2030.	Most forklifts in Argentina run on LPG.	
10	Use low-emission sailing cargo from Chile for non-urgent wine exports	-		801	10%	\$0,00	80	sations with sailing companies to increase their fleets	Unlike conventional maritime logistics, which depends predominantly on the combustion of fossil fuels, this initiative promotes the transition towards clean and sustainable propulsion technologies.	
11	Optimize logistics routes and increase biofuel cargo usage				28%		226	Engaging in discussions with our land and maritime transport providers to transition their fleets to renewable energy sources.	Conventional logistics depends on fossil fuels. This initiative requires transport providers to follow the IMO requirements on emission transition in fleets powered by fewer fossil fuels.	
12	Reduce grapes from suppliers, and prioritizing the ones with renewable energy. Reduced tillage and fertilizers				930	70%	\$0,00	651	Planning with growers to also implement solar energy.	Unlike conventional purchasing, this incentivizes suppliers to invest in solar energy and regenerative practices (reduced tillage and external fertilizers), moving away from the usual extractive model.
13	Prioritize suppliers that use recycled glass, high percentages of renewable energy, and bottle weight reduction				862	50%	\$0,00	431	Work with Bodegas de Argentina to push the glass industry to increase the percentage of recycled glass usage, use renewable energy, and use lightweight bottles.	Traditional glass manufacturing is fossil-fuel-intensive. This action pressures the industry to invest in renewable energy, a higher percentage of recycled glass, and the development of lighter bottles.
14	Transition to electric employee commute				291	30%	\$90.000,00	87	Car pooling in own cars and transitioning to 3 electric cars	Business as usual relies heavily on individual, fossil-fuel-powered commutes. This initiative shifts to shared mobility and electric vehicles, requiring targeted capital investment in EV fleet transition.
15	Install a wastewater treatment to hotel greywater and industrial + recover energy			16	90%	\$121.000,00	14,3	First year: purchase a biodigester for the hotel. By 2027: add biodigesters for all other activities (industrial, restaurant, and offices). Expected 90% reduction annually.	Business as usual relies on external septic lagoons. This initiative shifts to biodigesters, which are 80 to 90% more efficient and recover energy, requiring targeted capital investment in wastewater treatment.	
16	Plant windbreaks (Populus, Crataegus, native species)	-				\$11.315,09	12	Estimated 1430 trees and 1840 perimeter bush.		
	Scopes 1 and 2	1.361					721	53%		
	Scope 3		4.564			1.490	33%			
	Total				\$500.560,88	2.211	37%			

Metrics & Targets Timeline

	Initiative Detail (Include Metrics & Targets)	Departmental Leads / Sector	Year 1 (Plans for measuring & monitoring progress)	Investment Year 1	Year 2-3	Investment Year 2-3	By 2030	Investment by 2030
1	Develop a large-scale solar panel project to cover a significant share of electricity demand with clean energy	Engineering	-	\$0	Expected 20% between years 2 and 3.	\$117.322	Expecting an additional 10% reduction.	\$73.907
2	Contract green energy from the grid	Finances / Engineering	-	\$0	Expected 40% of solar energy bought from the grid	\$0	-	\$0
3	Install solar water heaters to reduce energy use for hot water production	Engineering	Purchase of 1 solar heater for restaurant / tourism	\$630	Purchase of 2 solar heaters for restaurant / tourism	\$1.260	-	\$0
4	Reduce energy use through water irrigation efficiency	-	-	\$0	Achieve a 10% energy reduction in well water pumping through enhanced irrigation efficiency and robust meta-analysis.	\$0	-	\$0
5	Implement precision fertilization based on nitrogen balance models, soil analyses, and foliar diagnostics to reduce synthetic inputs	Viticulture Department	Initiate precision fertilization aiming for a 10% reduction.	\$0	Reduce external inputs by up to 30% using annual soil and foliar analysis, and 1000 tons of compost application. Maintain minimal disturbance and good irrigation efficiency.	\$21.007	Reduce external inputs by up to 75% using annual soil and foliar analysis, and consistent compost application. Maintain minimal disturbance and good irrigation efficiency.	\$21.007
6	Establish an annual preventive maintenance plan for air conditioning systems and install fugitive gas leak sensors	Engineering	50% annual reduction in fugitive gas losses through monitoring and sensors.	\$120	-	\$0	-	\$0
7	Drone-based phytosanitary applications	Viticulture Department	-	\$0	-	\$0	Rent a drone for the 501 applications	\$4.000
8	Transition to electric mobility by purchasing two electric motorcycles	Viticulture Department	-	\$0	Expected 10% reduction by adding 2 electric motorcycles for internal transportation.	\$10.000	-	\$0
9	Replace all LPG-powered forklifts with electric models	Engineering	-	\$0	Expected 20% annual reduction by purchasing an electric forklift.	\$25.000	Expected 50% annual reduction by purchasing a second electric forklift.	\$25.000
10	Decarbonized cargo transport through renewable energy alternatives and logistics route optimization	Logistics / Supply Chain Department	Engage shipping companies to increase their fleet near ports.	\$0	Expected 5 % of reduction annually by selecting maritime shipments	\$0	Expected 10% of reduction annually by selecting maritime shipments	\$0
11	Efficient logistics routes and high biofuel cargo usage	Logistics / Supply Chain Department	Optimize logistics routes, eliminate regional warehouses in the USA, and ship directly to distributors. Expected reduction: 10%.	\$0	Expected 17% emission reduction in maritime container shipments by ensuring compliance with IMO legislation.	\$0	Expected 22% emission reduction in container shipments by ensuring compliance with IMO legislation. Maritime shipments represent 60% of our international shipment footprint (14.4% of total). Increase biofuel use in land transportation.	\$0
12	Reduce grapes from suppliers, prioritizing those using renewable energy, reduced tillage, and fewer fertilizers	Logistics / Supply Chain Department	Planning with growers, to also implement solar energy.	\$0	-	\$0	Expected 30% reduction in Scope 3 emissions from grape suppliers.	\$0
13	Prioritize suppliers using recycled glass, high percentages of renewable energy, and reduced bottle weight	Development	Monitor the percentage of recycled glass in bottle purchases.	\$0	Work with glass suppliers and Bodegas de Argentina to push the glass industry to increase recycled glass usage by 50% and use 90% renewable energy.	\$0	50% reduction in glass emission factors.	\$0
14	Electric Employee Commute	Finances	-	\$0	Purchase 1 electric car for internal carpooling.	\$30.000	Purchase 2 electric cars for internal carpooling.	\$60.000
15	Install a biodigester to treat hotel greywater and recover energy	Maintenance	Expected 15% annual reduction; the biodigester is 80-90% more efficient than septic tanks.	\$13.000	Expected 90% annual reduction; the biodigester is 80-90% more efficient than septic tanks.	\$108.000	-	\$0
16	Plant windbreaks (Populus, Crataegus, native species)	Viticulture Department	Covering borders of Eva, NO and Zampal vineyards.	-	-	-	-	