



## FOR A BETTER QUALITY OF LIFE IN PLAINE COMMUNE

In accordance with Plaine Commune's territorial project, the organization of the Olympic and Paralympic Games has ambitious environmental objectives, especially in terms of reducing the carbon footprint and accelerating the ecological transition of the territory to improve the quality of life of its inhabitants.



### THE PROJECT

## THE GAMES ACCELERATING THE ECOLOGICAL TRANSITION OF THE TERRITORY

Following the Paris agreements signed in 2015 at COP 21, aligned with the recommendations of the IOC's Agenda 2020 and the UN's sustainable development goals, the Paris 2024 Olympic and Paralympic Games aim to be an environmental reference. In Plaine Commune, this ambition is reflected in all public policies (Agenda 21, Climate Air Energy Plan, green and blue grid, sustainable development guidelines).

## IMPROVEMENTS TO BE ACHIEVED

- Ambitious projects to improve quality of life for residents: the burial of high-voltage power lines, an anti-noise wall, redevelopment of the banks of the Saint-Denis canal and the banks of the Seine ;
- Support for eco-supply chains in the construction and food sectors: 100% of new buildings will be constructed using bio-sourced wood, 100% of food will be certified, and Ile-de-France's food self-sufficiency will be strengthened for the long term ;
- Connecting neighborhoods: new bridges, redevelopment of the RD1 ;
- Adapting to climate change : 100% of sites, including the Athletes' Village, will be resilient and equipped with devices to combat heat islands ;
- Development of low-carbon urban logistics and river transportation ;
- Promoting public consciousness of the climate challenge and the concrete solutions to be implemented ;
- Development of sport for all, universal accessibility in public spaces and the creation of exemplary new facilities with high environmental performance.

## DURING THE GAMES

### PLAINE COMMUNE'S ENVIRONMENTAL EXCELLENCE STRATEGY FOR THE PARIS 2024 OLYMPIC AND PARALYMPIC GAMES

- 55% reduction in greenhouse gas emissions compared with the London 2012 carbon footprint ;
- 100% resilient sites adapted to the impacts of climate change ;
- The buildings constructed will be part of a high-performance, energy-efficient approach, with a certification equivalent to the Effinergie E+C or BBCA standards ;
- Zero impermeabilization resulting from the Games compared with the previous situation
- 100% of new buildings to be "bio-sourced buildings";
- 100% of materials produced for temporary equipment and furnishings reused after the Games, with at least ;
- 50% in France, based on an analysis of local needs ;
- 100% of venues equipped with drinking water fountains ;
- 100% of power supply certified ;
- 100% of venues accessible by public transport or active mobility ;
- The Aquatic Center is designed for a high environmental performance and to be energy-positive. It will be low-carbon for its entire life cycle ;
- 95% reuse or recycling of construction residues .

## WORKS

### EXEMPLARY WORKSITES

Our permanent infrastructure projects are exemplary in terms of the reuse and recycling of components from deconstructed buildings. 95% of materials from the demolition sites surrounding the Athletes' Village are recycled or reused.

For example :

- Part of the concrete from deconstructed buildings is crushed locally and reused in the construction of future roadways.
- Another part of the concrete and earth transported by river to treatment centers is sent for reuse as substrate for the Village's future plantations.

Spoil is transported by boat through Seine to reduce truck traffic on the roads and limit greenhouse gas emissions (a 5,000-ton river shipment is equivalent to 250 trucks).

### TO GO AHEAD

The " Paris 2024 for responsible events" guide has been designed to give those organizing the Games, all over France, concrete tools to ensure sustainable events aligned with the ambitions of Paris 2024.



## THE HERITAGE

### THE ATHLETES' VILLAGE, A FUTURE NEIGHBOURHOOD IN A SUSTAINABLE CITY

- A reduced carbon footprint thanks to low-carbon wood and concrete structures, a geothermal heating and cooling network and 100% of the buildings meeting passive or BEPOS standards ;
- Quality of life adapted to the 2050 climate, with cool islands, refuge areas and optimized ecosystems ;
- A central park integrating wetlands, which are biodiversity hubs ;
- Promotion of active mobility and improved public transport accessibility .

### THE OLYMPIC AQUATIC CENTER, A GREEN SPORTS FACILITY

- A minimal built footprint to liberate as many open spaces as possible and plant 102 trees ;
- Controlled water consumption (85 liters per bather/year) ;
- Modular pools to considerably reduce energy consumption for heating ;
- A 5,000 m<sup>2</sup> roof covered with photovoltaic panels, making the building one of the largest urban solar farms in France ;
- Made entirely from recycled plastic, the seats for the stands will be manufactured in France and will make use of 30 tonnes of local plastic waste, including 1 tonne from a bottle-cap collection ;

The virtuous design of the Olympic Aquatic Center has been awarded "NF HQE (Haute Qualité Environnementale) équipements sportifs" certification in October 2021.

