

WORKING DOCUMENT

SOLAR POWER OPPORTUNITIES

IN CAPITAL CITY PODGORICA

ABOUT PODGORICA

Podgorica is the administrative, economic, political, trade and academic center of Montenegro with modern road, railway and air infrastructure which is a prerequisite for a well-designed business zone and selecting its locations.

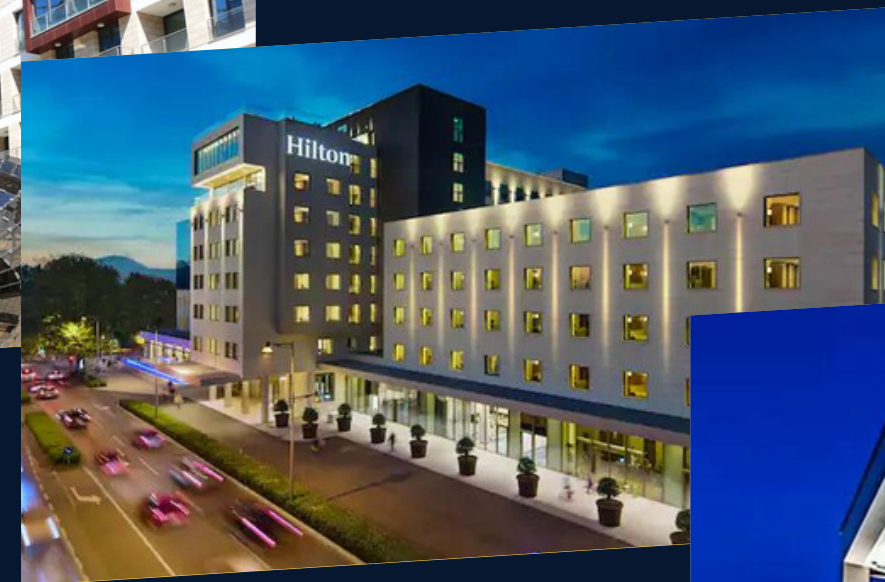
MOST RECENT INVESTMENT ACTIVITY



60 mil EUR



150 mil EUR



47 mil EUR



24 mil EUR



2002 - 2022
40 HOTELS IN
PODGORICA
WERE OPEN

WHY CAPITAL CITY PODGORICA?



FINANCIAL STABILITY

THE CAPITAL CITY PODGORICA'S BUDGET OF OVER 106 MILLION EUROS



INVESTMENT ACTIVITY

- IN 2021 BUSINESS ENTITIES IN PODGORICA REPORTED A TOTAL INCOME OF OVER **10 BILLION EUR**
- THE REALIZED PROFIT OF BUSINESS ENTITIES IN PODGORICA IN 2021 IS **885.4 MILLION EUR**
- SIX OUT OF TEN EUROS OF MONTENEGRIN GDP ARE GENERATED IN PODGORICA



SUPPORTING BUSINESS COMMUNITY

- CERTIFIED AS BUSINESS FRIENDLY COMMUNITY (BFC AWARD)
- 3 MILLION EUR OF SUPPORT GRANTED FOR FELLOW CITIZENS AND THE LOCAL ECONOMY DURING COVID-19
- IN 2020 CITY ESTABLISHED THE COUNCIL FOR THE IMPROVEMENT OF THE BUSINESS ENVIRONMENT

CLIMATE CHARACTERISTICS OF PODGORICA

The main factors of the climatic types in the spatial scope are the proximity of the Adriatic Sea and direct openness towards it along the corridor line: Lake Skadar - Bojana River - Adriatic coast; altitude range from 4.6 to 2487 meters above sea level.

The climate of Podgorica is classified as a Mediterranean climate with hot and dry summers and moderately cold winters. Although the City is located about 50 km away from the Adriatic sea, the proximity of the Dinaric Alps in the north changes its climate.

Podgorica's average **annual temperature is 15.5°C** with an average minimum of 5°C in January and an average maximum of 26.7°C in July. Podgorica is one of the warmest cities in Europe. **Average annual number of tropical days** (maximum temperatures above 30°C) here it is from **50 to 70 days**.

The number of rainy days is about 115, and those with strong wind about 60.



AVERAGE YEARLY
NUMBER OF SUNNY
HOURS IN THE
CAPITAL CITY
PODGORICA

2484



MASTER PLAN PODGORICA - LIST OF ALL LOCATIONS

ZONES IN THE URBAN AREA:

- Zone PG-Z12 is located in the southern part of the territory of the Capital City Podgorica, in the locality of Kruševac. The area of the zone is 10.95 ha;
- Zone PG-Z18 is located in the southern part of the territory of the Capital City Podgorica, south of the Tuški road and east of the Podgorica-Bar railway. The area of the zone is 11.16 ha;
- Zone PG-Z14 is located in the southern part of the territory of the Capital City Podgorica, in the locality of Zabjelo and on the left bank of the Morača River. The area of the zone is 12.18 ha;
- Zone PG-Z19 is located in the southern part of the territory of the Capital City Podgorica, in the complex "KAP - Aluminum Plant Podgorica". The area of the zone is 19.80 ha;

ZONES IN THE RURAL AREA:

- Zone PG-Z1 is located in the southern part of the territory of the Capital City, in the Velje brdo locality north of the Tološi settlement. The area of the zone is 97.91 ha;
- Zone PG-Z2 is located in the southwestern part of the territory of the Capital City, between the Kornet and Gornji Kokoti settlements. The area of the zone is 9.95 ha;
- The PG-Z3 zone is located in the southwestern part of the territory of the Capital City, between the settlements of Brežine and Barutana. The area of the zone is 72.28 ha;
- Zone PG-Z4 is located in the eastern part of the territory of the Capital City, southwest of the settlement of Ubli, and north of the settlement of Medun. The area of the zone is 16.21 ha;



LIST OF ALL LOCATIONS available at:
https://podgorica.me/db_files/Urbanizam/PUP/pup.pdf
pp. 250-252

POTENTIAL OPPORTUNITY * VELJE BRDO

69 ha
TOTAL PLOT AREA

151.844
SOLAR MODULES FIRST PHASE

CONCESSION

75.247.500 EUR
INVESTMENT

POTENTIAL
CAPACITY 50 MW



LOCAL STUDY LOCATION "VELJE BRDO - SOLAR POWER PLANT"



ESTIMATION OF INFRASTRUCTURE CONSTRUCTION COSTS:

- A SUBSTATION - 5,750,000
- B NETWORK 20 KV – 687,500
- C PHOTOVOLTAIC SYSTEMS – 68,250,000
- D CONNECTION WITH EES – 560,000
- TOTAL – 75,247,500.00

LOCAL DECISION

on the installation, construction and removal of local facilities of general interest on the territory of the Capital City Podgorica

Article 5

The location for solar power plant facilities from 30kW to 5MW can be determined on the land intended for settlement area, arable land - agricultural and forest areas, from V to VIII solvency class and other natural areas from the Land Use Plan (general category) of the Master Plan.

EXPLORING AN WORKING CONCEPT OF A POTENTIAL OPPORTUNITY * RED MUD LOCATION

1

CLOSE PROXIMITY OF CONNECTION TO THE GRID

2

CREATION OF AN INTERMINISTRATIVE WORKING GROUP

3

SCALABLE GROWTH POTENTIAL

THE MINISTRY OF ECOLOGY, SPATIAL PLANNING AND URBANISM ESTABLISHED A WORKING GROUP FOR CONSIDERING THE ISSUE OF THE STATE OF THE RED MUD POOL (AT THE KAP LOCATION) AND DEFINING FURTHER STEPS IN THE ACTION OF THE COMPETENT AUTHORITIES.



[HTTPS://WWW.GOV.ME/CLANAK/RJESAV-ANJE-CRNE-EKOLOSKE-TACKE-BAZENA-CRVENOG-MULJA](https://www.gov.me/clanak/rjesav-anje-crne-ekoloske-tacke-bazena-crvenog-mulja)

FIRST PHASE UP TO 5MW ON THE SIDE FLAT AREAS (5-15ha) NEXT TO RED MUD BASIN, WITH POTENTIAL EXTENTION ONCE THE WORLD BANK PROJECT IS COMPLETED CREATING NEW CCA 40ha OF SOLID FLAT AREA ON THE TOP OF THE CLOSED POOL.



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THANK YOU!