

On-line seminar
on nuclear power plant shutdown
and decommissioning:
Socio-economic impacts

26 February 2021



KOZLODUY MUNICIPALITY

- 21 300 citizens
- 7 kindergartens
- 6 schools
- 3 600 children under the age of 18

The town of Kozloduy and four more villages – Harlets, Glozhene, Butan and Kriva bara

The only traveling museum on the Balkan Peninsula,
“Steamship Radetzky”



Tour International Danubien,
TID – with participants from all over Europe



Hristo Botev – a revolutionary who took
part in Bulgarian liberation process





1974 – Unit 1 with WWER-440 reactor type was commissioned

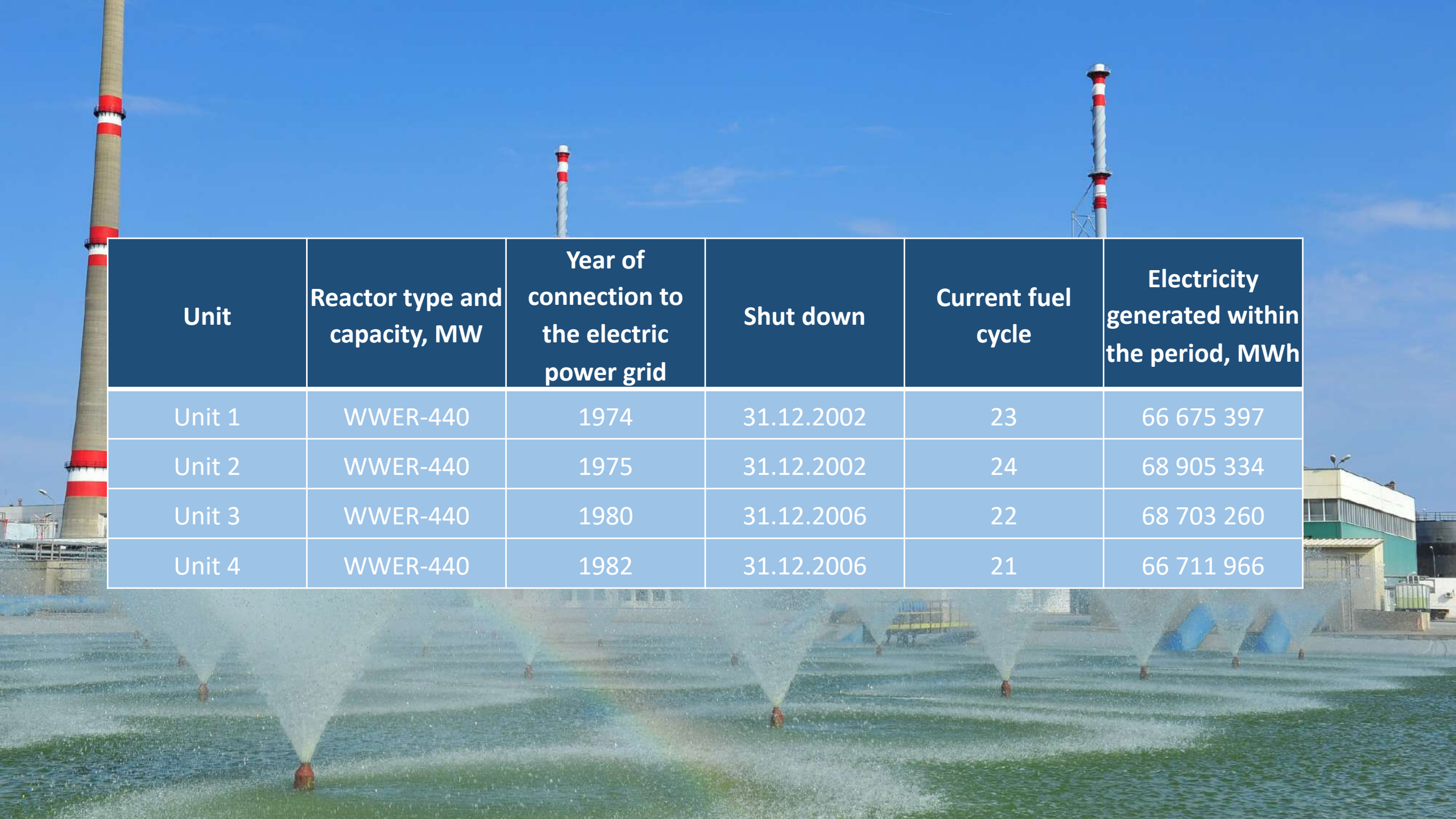
1975 – Unit 2 with WWER-440 reactor type was commissioned

1980 – Unit 3 with WWER-440 reactor type was commissioned

1982 – Unit 4 with WWER-440 reactor type was commissioned

1987 – Unit 5 with WWER-1000 reactor type was commissioned

1991 – Unit 6 with WWER-1000 reactor type was commissioned



Unit	Reactor type and capacity, MW	Year of connection to the electric power grid	Shut down	Current fuel cycle	Electricity generated within the period, MWh
Unit 1	WWER-440	1974	31.12.2002	23	66 675 397
Unit 2	WWER-440	1975	31.12.2002	24	68 905 334
Unit 3	WWER-440	1980	31.12.2006	22	68 703 260
Unit 4	WWER-440	1982	31.12.2006	21	66 711 966



State Enterprise Radioactive Waste for
decommissioning of the shutdown reactors
(SE RAW)



Continuous dismantling

Smooth

Balanced-out





THE EFFECTS OF THE CHOSEN STRATEGY FOR CONTINUOUS DISMANTLING:

No period of interruption when using the decommissioning resources – human, technical, financial, etc;

Ensuring retention of both personnel and acquired knowledge;

Highly qualified and skilled personnel were involved in the new decommissioning activities.

2010

There are 99 specialists from Kozloduy NPP
employed by SE RAW
without suspensions of their employment contract



2013

There are 432 specialists from Kozloduy NPP
employed by SE RAW without suspensions of their employment contract
keeping the conditions in their contracts

INTERNATIONAL SUPPORT

In 1999, the Kozloduy International Decommissioning Support Fund (KIDSF) was established, administered by the European Bank for Reconstruction and Development.

Locally, the following have been established:

2002 – Initiative for Regional Economic Development in the area of Kozloduy NPP (IREDK);

2005 – Business Centre Kozloduy.

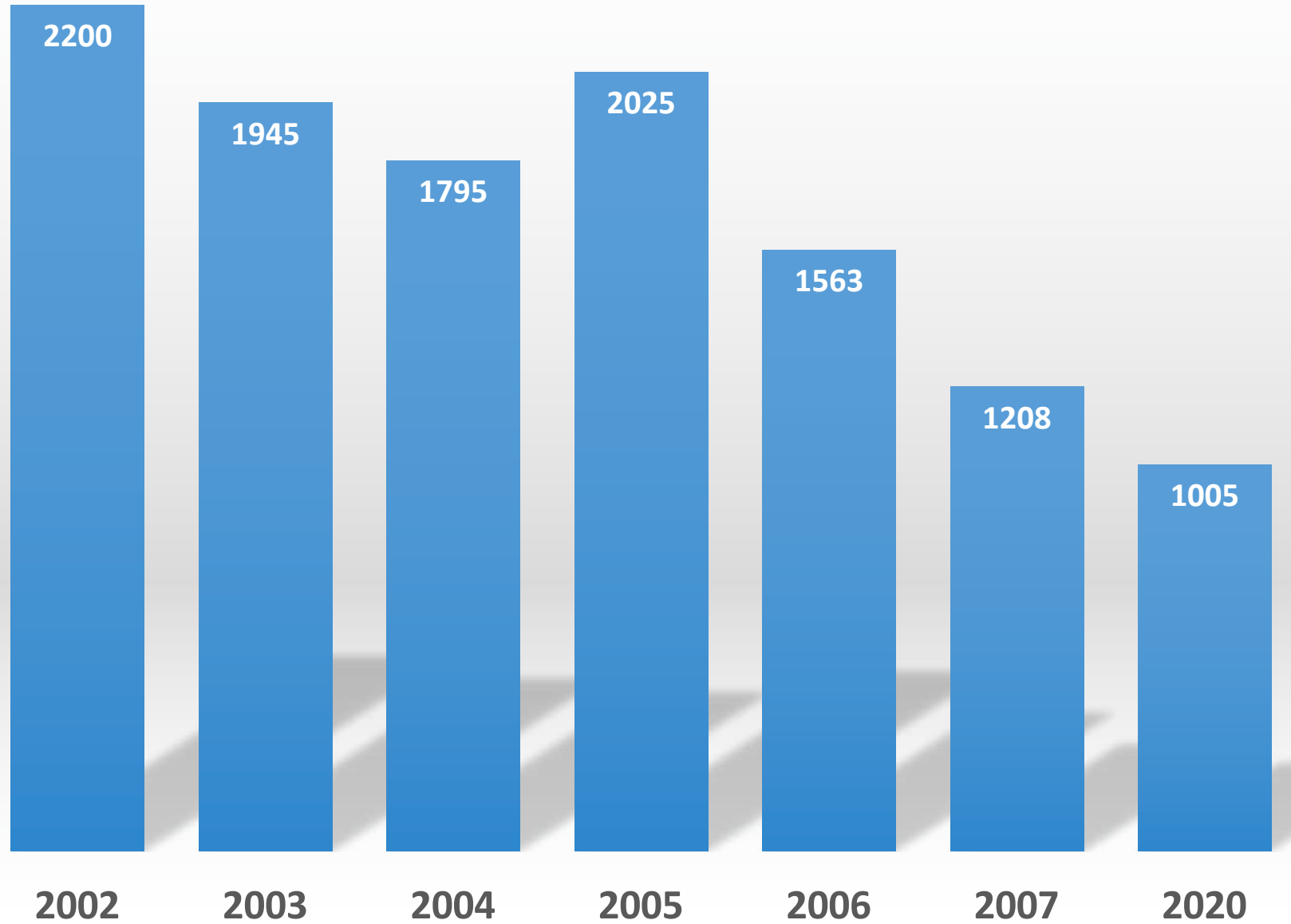
An aerial photograph of a university campus. The central focus is a large, modern, multi-story building with a flat roof and several wings. The building is surrounded by lush green trees and a paved walkway. In the background, there are residential apartment blocks and a clear blue sky. The overall scene is bright and sunny, suggesting a clear day.

INITIATIVES

Under the IREDK more than 700 people have undergone training.

In the Business Centre over 800 people have undergone training and a total of 1200 consulting and information service have been provided.

Number of the registered unemployed



The image shows the Kozloduy Nuclear Power Plant, a large industrial facility with several tall, red-and-white striped cooling towers. The plant buildings are primarily white and green. In the foreground, there are large concrete basins filled with water, some of which have fountains spraying water upwards. The sky is blue with scattered white clouds. The entire image is framed by a large white chevron shape pointing downwards.

FUTURE OUTLOOK FOR KOZLODUY NPP

In 2047 expires the lifetime of
Unit 5

In 2051 expires the lifetime of
Unit 6

FUTURE OUTLOOK FOR SE RAW

National Repository for Low and
Medium Level Radioactive Waste



The plasma melting facility for RAW
and Size Reduction and Decontamination Workshop
were constructed.



1985

House of Culture has been a cultural centre
for 35 years



2001

Sports and Recreation Centre in Kozloduy

Partnership with Kozloduy
NPP
2016 - 2021



100 000 Euro annually in support of projects of social importance



Additional resources for:

- 219 video cameras for the entire municipality
- full renovation of the playground of 2 kindergartens
- 140 000 Euro in support of the municipal hospital for the fight with the global pandemic
- 50 000 Euro for full renovation of Hristo Botev park
- Renovations of streets
- Support for the organization of public events



Partnership with
State Enterprise for Radioactive Waste



2018
3.2 m Euro from KIDSF for the construction
of
11.2 km ring road of Kozloduy



2012-2020
1.2 m Euro in support of
projects of social importance



2009-2014
2.5 m Euro from KIDSF by SE RAW



Photo: Alan Davidson

Photo: Alan Davidson

An aerial photograph of a river valley. A large river flows from the top left towards the center, then curves to the right. The riverbanks are lined with dense green trees. In the foreground, there are several large, rectangular agricultural fields, some of which are brown, suggesting they are harvested. A small town or village is visible in the middle ground, with numerous houses and buildings. The background shows a vast, flat landscape under a bright blue sky with scattered white clouds.

Thank you for your attention!

Municipality Kozloduy