

China's coal project in Serbia raises climate change worries

30 November 2018, by Dusan Stojanovic



In this photo taken Wednesday, Oct. 3, 2018, smoke rises from the chimneys of Serbia's main coal-fired power station near Kostolac, Serbia. The Kostolac power plant complex in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)

A foul smell permeates the air in this gray mining town. People rarely open their windows as thick smoke billows from the huge chimneys of Serbia's main coal-fired power station.

Things are only getting worse for residents living close to the Kostolac power plant complex in eastern Serbia, which is being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies.

When U.S. President Donald Trump abruptly withdrew from the Paris agreement on tackling [global climate change](#) in 2017, China was seen as the champion in the battle to cut carbon emissions and prevent a global environmental catastrophe.

Experts say China is tackling pollution at home by implementing renewable energy projects and

reducing the use of coal, by far the most polluting fossil fuel. But abroad, China is pursuing a different strategy.

Chinese companies are the world's largest investors in overseas coal plants. They are involved in building about a fifth of new coal-fired energy capacity around the world, mostly in the countries along its ambitious "Belt and Road" investment program, which is seen in the West as an attempt by China to globally increase its political and economic influence.



In this photo taken Wednesday, Oct. 3, 2018, mining machines work in the open cast mine near Kostolac, Serbia. The Kostolac power plant complex in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)

Beijing has issued guidelines on foreign investments, urging environmentally friendly practices. But a major worry is that the guidelines aren't binding and that the [power stations](#) are built mostly in developing states that have low pollution emission standards, or no set standards at all.

"The (Chinese) central government explicitly stipulated that all 'Belt and Road' initiative projects should be green and low-carbon projects," China's special representative for climate change affairs, Xie Zhenhua, said in Beijing. "Therefore, all projects underway introduced the most advanced technology to save resources and energy, and do its utmost to ensure emission reduction."

Huang Wei, a Greenpeace climate and energy activist, said China has "coal overcapacity" at home, so the market space there for coal power companies "is shrinking a lot," prompting Chinese construction companies to seek lucrative deals abroad.

"China is on the right track of fulfilling its domestic commitment on reducing [carbon emissions](#). But its plan to invest in the 'Belt and Road' countries, especially infrastructure, could have a potentially big climate impact," she said.

"So far they (the Chinese government) define 'green' as complying with local environmental standards. We don't think that's enough, because a lot of the recipient countries have very low environmental standards. So I think it's up to China, both China and the recipient countries, to lift the standard," Huang said.



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Experts say the Paris climate goals can only be met by cutting emissions of carbon dioxide and other greenhouse gases to net zero by 2050.

But the Paris deal let countries set their own emissions targets. Some are on track, others aren't. Overall, the world is heading the wrong way.

Last week, the World Meteorological Organization said globally averaged concentrations of carbon dioxide reached a record in 2017, while the level of other heat-trapping gases such as methane and nitrous oxide also rose.

This year is expected to see another 2 percent increase in human-made emissions, as construction of coal-fired power plants like the one in Serbia continue while carbon-absorbing forests are felled faster than they can regrow.

Chinese construction workers wearing hard hats are building a huge chimney for the new "Kostolac B" Serbian power plant, which will be fueled by the light brown variety of coal called lignite—considered to be among the most heavily polluting fossil fuels. It produces huge amount of ash, which has to be carefully deposited on vast fields with water sprinklers to prevent the dust from being blown into the atmosphere or the nearby Danube River.



In this photo taken Thursday, Nov. 29, 2018, a chimney of Serbia's main coal-fired power station can be seen from the village of Drmno, Serbia. Chinese companies are the world's largest investors in overseas coal plants. They are involved in the building of about a fifth of new coal-fired energy capacity around the world, mostly in the countries along its ambitious "Belt and Road" investment program which is seen in the West as an attempt by China to globally increase its political and economic influence. (AP Photo/Darko Vojinovic)



Serbian state power company EPS says the new 350 megawatt unit, to be operational by 2020, will meet the highest environmental standards. More than 70 percent of Serbia's energy comes from coal while the rest is from hydropower.

In this photo taken Wednesday, Oct. 3, 2018, a warning sign of existing high voltage at the fence of Serbia's main coal-fired power station near Kostolac, Serbia. (AP Photo/Darko Vojinovic)

"What is very important to emphasize is that we are doing this project absolutely in accordance with European standards and Serbian laws," said Zeljko Lazovic, the plant's EPS project manager.

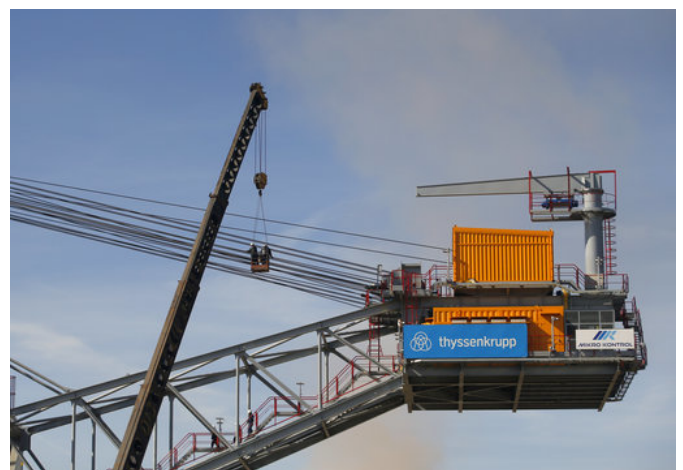
Residents living near the Kostolac plant say most of the pollution comes from the lignite ash field and the open-pit mine that will expand even further when the new plant starts production.

Energy analyst Misha Brkic said Serbia's government "is making a crucial mistake" by insisting on the use of coal as fuel to produce electricity instead of focusing on renewable energy.

"When we wash our laundry, we leave it to dry and then in three days you see how white laundry becomes black laundry," said resident Dejan Grujic. "When winds are strong, it is a catastrophe."

"The chosen (Chinese) partner does have money and offers technology, but we as a country that wants to build power plants or renew and modernize the existing ones, we don't have enough experience and knowledge and sometimes also not enough sense for European standards," he said.

China Machinery Engineering Corporation, which is expanding the plant, has refused to comment despite repeated requests.



In this photo taken Wednesday, Oct. 3, 2018, workers prepare a new lignite excavator in the open cast mine near Kostolac, Serbia. The Kostolac power plant complex

in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)



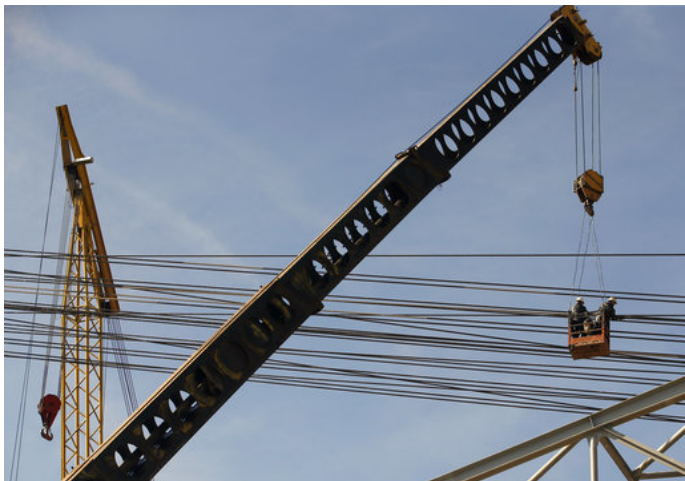
In this photo taken Wednesday, Oct. 3, 2018, a flock of pigeons flies over smoke emits from the chimneys of Serbia's main coal-fired power station near Kostolac, Serbia. (AP Photo/Darko Vojinovic)

In this photo taken Wednesday, Oct. 3, 2018, a new lignite excavator stands in the open cast mine near Kostolac, Serbia. The Kostolac power plant complex in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)



In this photo taken Wednesday, Oct. 3, 2018, a worker inspects works on huge chimney for the new, so-called "Kostolac Bloc 3" in Serbia's main coal-fired power station near Kostolac, Serbia. The Kostolac power plant complex in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)

In this photo taken Wednesday, Oct. 3, 2018, a plane flies over smoke emits from the chimneys of Serbia's main coal-fired power station near Kostolac, Serbia. (AP Photo/Darko Vojinovic)



In this photo taken Wednesday, Oct. 3, 2018, workers prepare a new lignite excavator in the open cast mine near Kostolac, Serbia. The Kostolac power plant complex in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)



In this photo taken Wednesday, Oct. 3, 2018, a sign of the new, so-called "Kostolac Bloc 3" at the fence of Serbia's main coal-fired power station near Kostolac, Serbia. The Kostolac power plant complex in eastern Serbia is currently being expanded with a \$715 million loan from a Chinese state bank and constructed by one of China's largest companies. (AP Photo/Darko Vojinovic)



In this photo taken Wednesday, Oct. 3, 2018, a bird flies past as smoke emits from the chimneys of Serbia's main coal-fired power station near Kostolac, Serbia. Chinese companies are currently involved in the construction of about a fifth of the new coal-fired energy capacity around the world, mostly in countries along its ambitious "Belt and Road" investment program that is seen in the West as China's attempt to globally increase its zone of political and economic influence. (AP Photo/Darko Vojinovic)



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