

## عنوان مقاله:

Progress of Commissioning Wind Power Plants in Iran, With a View to CO2 Emission Reduction

## محل انتشار:

اولین کنفرانس ملی بهینه سازی در انرژی های تجدیدپذیر (سال: 1399)

تعداد صفحات اصل مقاله: 12

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## خلاصه مقاله:

Nowadays, due to the sharp decrease in fossil resources and the negative impacts of thermal power plants on the environment, electricity generation by renewable energies is growing rapidly. Wind energy is one of the most popular energy sources in many parts of the world and has a sharp growing trend in Iran. Fortunately, the rate of using this energy as sustainable and clean energy is very significant in Iran. In this paper, statistical reports have been presented for the status of the world and Iranian wind power plants. Furthermore, a plan for the dispersion of these power plants has been presented for Iran. Finally, the main reasons that would make Iran move towards generating more energy through renewable energies are expressed. Approximately 282 MW of wind power plants were installed by the end of 2018. The amount of annual carbon dioxide emission reductions was calculated as well. It is found that diffusion of more than 356,656 tons of carbon dioxide is prevented, annually.

## کلمات کلیدی:

Wind Energy, Iran, Wind turbine, Carbon dioxide, Environment

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1031530>

