



Residential coal consumption and energy poverty in Northern Hungary

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AZ IGAZSÁGOS ÁTMENETÉRT

LIFE IP North-HU-Trans LIFE19 IPC/HU/000009

NAMES OF TAXABLE

Need for decarbonisation

National Energy And Climate Plan (NECP)

"One of the most important decarbonisation tasks is the conversion of the lignite-fired Mátra Power Plant based on low-carbon technologies, thus removing coal and lignite from domestic electricity production by 2030."



Data source: EUROSTAT



Involvement of Northern Hungary





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Census (2011)

- Every 10 years
- Number of dwellings by fuel
- settlement level data

Microcensus (2016)

- Between censuses
- Number of dwellings by fuel and renovation

Social fuel subsidy (2016-2020)

- municipalities can apply for support for the residents
- firewood or coal

- residential lignite sales per year according to different distribution channels
- spatial location of resellers



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Ratio of households that burn coal for heating, 2011 (%)





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municipalities applying for coal (t)





Residential lignite consumption based on statistics Sales of lignite for residential purposes from the

0

2016

Municipalities

Resellers

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2018

2017



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2020

2019

Directly from the mine

Free of charge

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Fuel poverty indicators based on EPOV

Az otthon megfelelő melegen tartására való képesség hiánya egyes háztartástípusokon belül 2019-ben (%) 25,0 20,0 15,0 10,0 5,0 0,0 Országos átlag Jövedelem a medián 60% fölött Jövedelem a medián 60% alatt Egyedülállók Összesen ■ Egyedülálló szülő eltartott gyerekkel Egyedülálló (65 évesnél idősebb) Két felnőtt egy gyerekkel Két felnőtt két gyerekkel Két felnőtt három, vagy több gyerekkel Három, vagy több felnőtt gyerekkel

Inability to keep home adequately warm

Arrears on utility bills





Identification of the municipalities concerned





Identification of the municipalities concerned





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Findings

- residential coal burning has declined significantly in recent year;
- the region of Northern Hungary is particularly affected by the effects of coal phase-out, but the population does not only use coal in this area;
- certain household types are particularly vulnerable to energy poverty;
- coal heating is presumably related to energy poverty in the sample area.

