Implementation of the LCP Directive – experience of the first two years
Overview of Implementation Performance 2020

EnC average: 53% + 5,3%
The LCP Directive

- Current LCP Directive adopted in 2001, replaced by IED in 2016 in the EU
- Setting emission limit values for SO2, NOx and dust (particulate matter) for plants with a rated thermal input (RTI) ≥ 50 MW
- ELVs may vary based on the RTI of the plant and on the type of fuel used
- Provisions on monitoring
- Flexibility mechanisms (national emission reduction plan, limited lifetime derogation, etc.)
Compliance with the LCPD / IED

ENVIRONMENTAL COMPLIANCE / LCPs

- **NERP**: Vehicle from the Large Combustion Plants Directive (LCPD) towards the Industrial Emissions Directive (IED)
- **LCPD** to be implemented as of 1 Jan 2018 (2013/05 decision), Chapter III and Annex V of IED: same date for new plants (2013/06); for existing plants → 1 Jan 2028 (2015 decision)
- Special situation of Ukraine reflected in 2015 decision
- Key actions for NERP implementation
  - replacement (to be removed from NERP if done)
  - retrofit
  - putting a price tag on air pollution
- 5 CPs implementing NERPs, opt-out: BiH 3, MN 1, SR 4, UA 19+61
## Opt-out estimations

<table>
<thead>
<tr>
<th>Plant Description</th>
<th>Expected Expiry of Opt-out Period</th>
<th>Remaining Hours</th>
<th>Operating Hours Consumed in 2018 and 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Termoelektrana Kolubara A3 (boilers 3, 4, 5)</td>
<td>August 2021</td>
<td>8.964</td>
<td>11.036</td>
</tr>
<tr>
<td>Termoelektrana Morava</td>
<td>June 2022</td>
<td>11.026</td>
<td>8.974</td>
</tr>
<tr>
<td>Termoelektrana Kolubara A3 (boiler 1)</td>
<td>August 2022</td>
<td>11.416</td>
<td>8.584</td>
</tr>
<tr>
<td>Termoelektrana Kolubara A5</td>
<td>December 2023</td>
<td>14.812</td>
<td>5.188</td>
</tr>
</tbody>
</table>

*Calculations for the expected expiry of the opt-out period are based on 2018 and 2019 average load factor.

Source: compiled by the Energy Community Secretariat
### Emissions from large combustion plants vs NERP ceilings

<table>
<thead>
<tr>
<th></th>
<th>SO\textsubscript{2}</th>
<th>NO\textsubscript{x}</th>
<th>dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIH</td>
<td>27,194</td>
<td>189,115</td>
<td>6.95</td>
</tr>
<tr>
<td>KO*</td>
<td>10,556</td>
<td>13,257</td>
<td>1.26</td>
</tr>
<tr>
<td>MK</td>
<td>15,855</td>
<td>108,033</td>
<td>6.81</td>
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<tr>
<td>SR</td>
<td>54,575</td>
<td>310,412</td>
<td>5.69</td>
</tr>
<tr>
<td>UA</td>
<td>920,431</td>
<td>452,907</td>
<td>0.49</td>
</tr>
</tbody>
</table>

All numbers are expressed in tonnes
Emissions from large combustion plants vs NERP ceilings

Bosnia and Herzegovina

Kosovo*

North Macedonia

Serbia

Ukraine

2019 emissions by all plants under the LCPD
2019 emissions by plants under the NERP

Energy Community Secretariat
Thank you for your attention!

www.energy-community.org

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