Impact of the Green Light Program on haze pollution in the North China Plain, China

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- **Figure S1. (a)** The spatial distribution of VIIRS NTL radiance in 2015 and **(b)** the provincial dynamics of the lighting electricity consumption.
- **Figure S2.** The species variations of PM_{2.5}, NO₂, and SO₂ within the areas with high PM_{2.5} changes induced by the GLP(see red-square in Fig.8).
- Figure S3. The lower (left panels) and upper (right panels) episode-averaged variations of O_3 (µg m⁻³) induced by GLP, including. The results refer to the spatial variations between the REF case and the SEN-GLPs case (REF SNE-GLPs).

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Fig. S1
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Figure S1. (a) The spatial distribution of VIIRS NTL radiance in 2015 and **(b)** the provincial dynamics of the lighting electricity consumption.

Fig. S2



Figure S2. The species variations of $PM_{2.5}$, NO_2 , and SO_2 within the areas with high $PM_{2.5}$ changes induced by the GLP(see red-square in Fig.8).



Figure S3. The lower (left panels) and upper (right panels) episode-averaged variations of O_3 (µg m⁻³) induced by GLP, including. The results refer to the spatial variations between the REF case and the SEN-GLPs case (REF – SNE-GLPs).