Supplement of

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

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Supplementary Figure Captions

**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$_{2.5}$, 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$_3$ ($\mu$g 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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