

An aerial photograph of a slum in India, showing a dense cluster of small, makeshift dwellings with corrugated metal roofs. In the background, modern high-rise apartment buildings stand in contrast. A semi-transparent blue text box is overlaid on the center of the image, containing the title and author information. The scene is captured from an elevated perspective, showing the layout of the informal settlement and its proximity to formal urban infrastructure.

The Future of Green India: A Development-focused View of Climate/Energy Policy

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March 30, 2021

Indian Energy Demand by Fuel Share - 2017



2.5 billion Tons CO₂ (1.9 tons/capita)

Indian Energy Demand by Fuel Share - 2017



2.5 billion Tons CO₂ (1.9 tons/capita) ~1 billion Tons CO_{2e}

Indian Energy Demand by Fuel Share - 2017

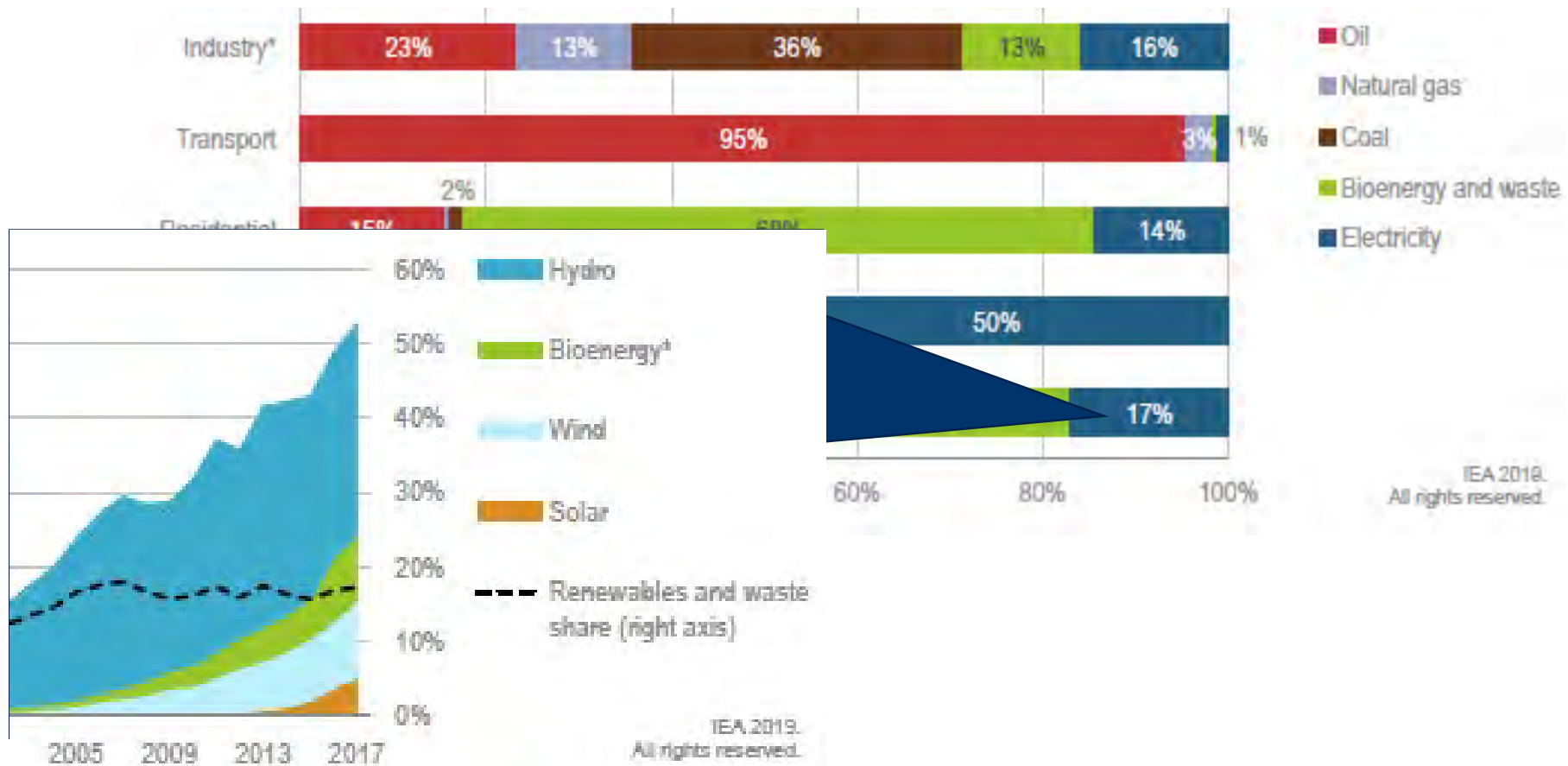
Agriculture



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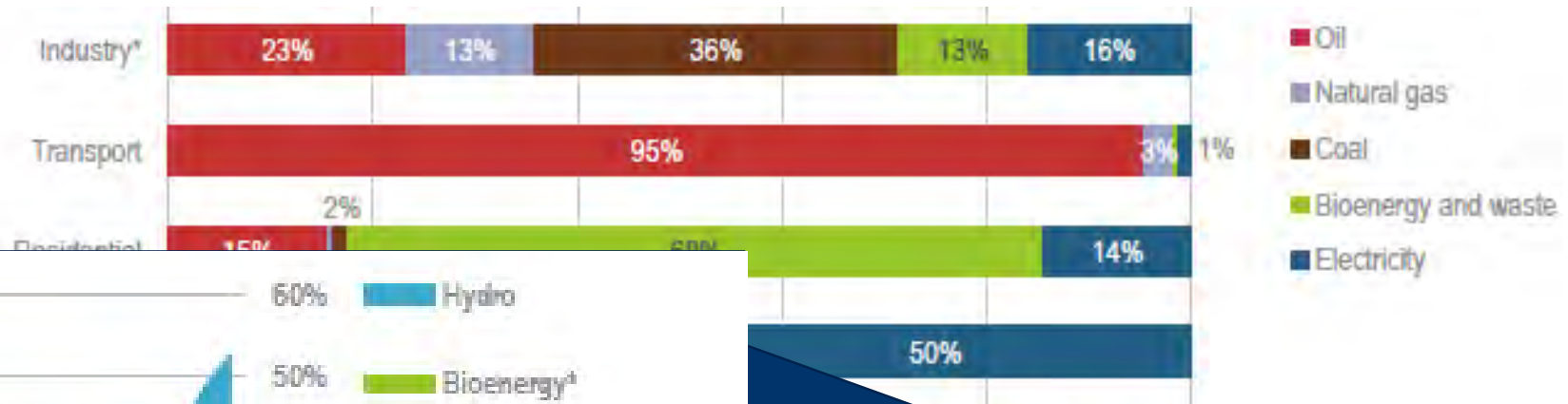
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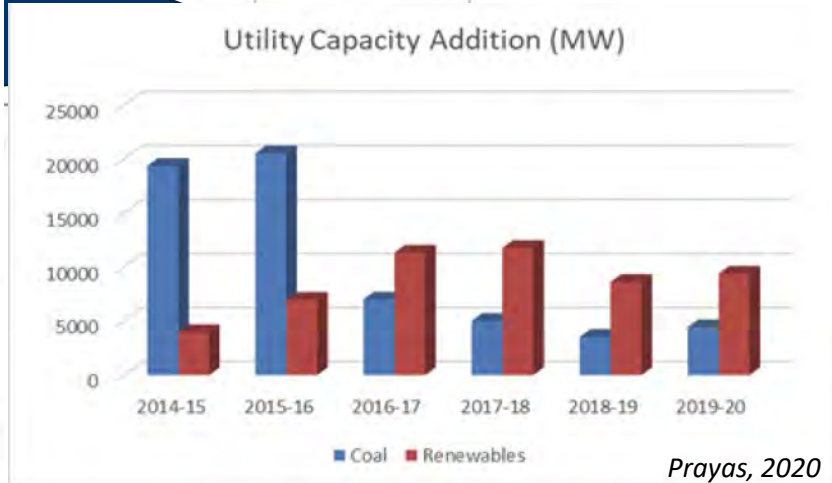
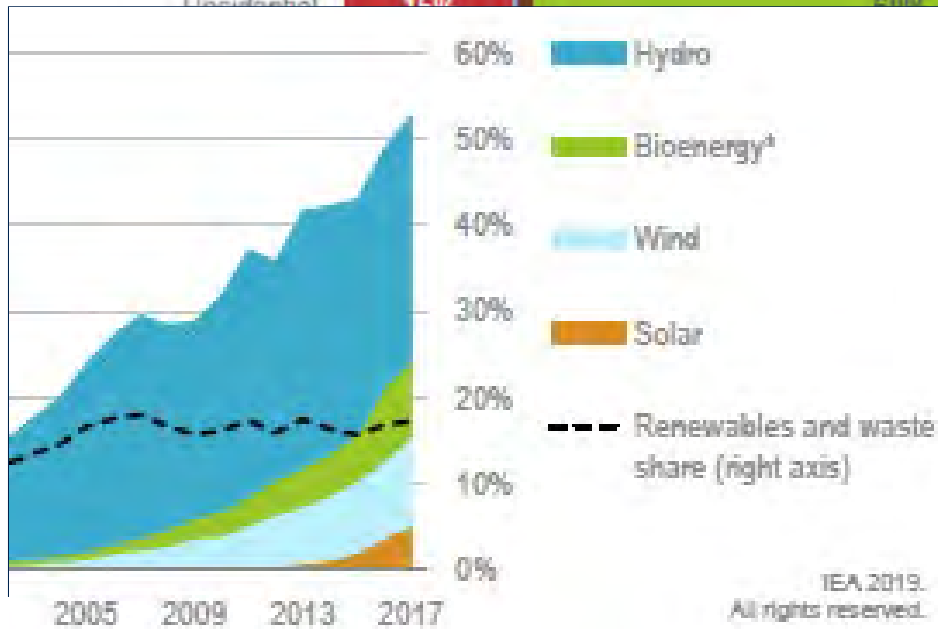


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Cement/Steel
>5% CAGR

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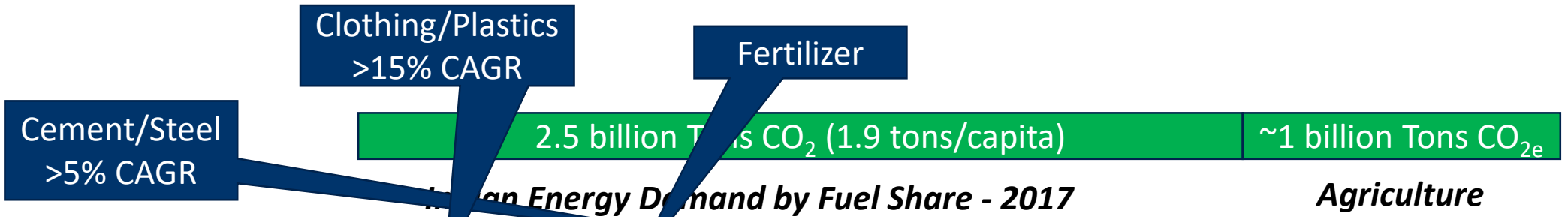
Fertilizer

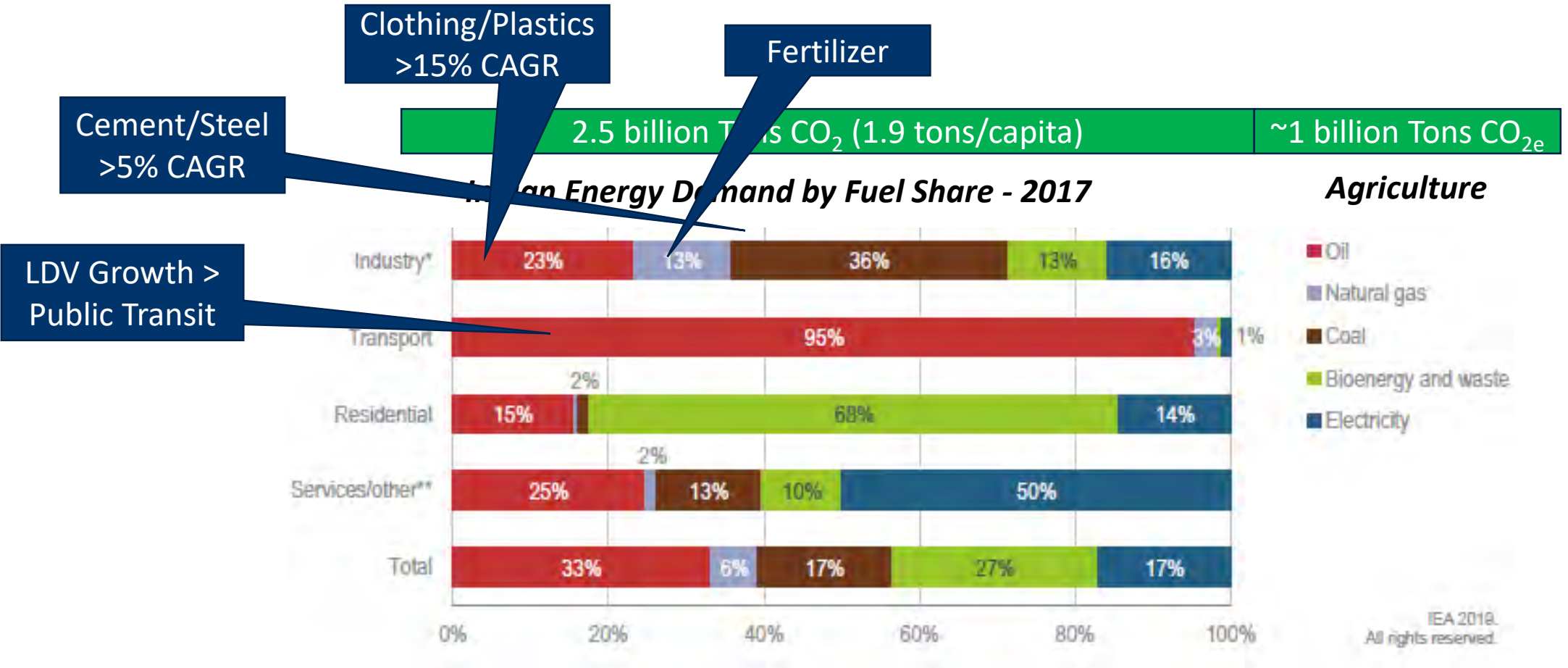
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Indian Energy Demand by Fuel Share - 2017

Agriculture







Clothing/Plastics
>15% CAGR

Fertilizer

Cement/Steel
>5% CAGR

2.5 billion Tons CO₂ (1.9 tons/capita) ~1 billion Tons CO_{2e}

World Energy Demand by Fuel Share - 2017

Agriculture

LDV Growth >
Public Transit



AC >9% CAGR,
Heat Stress too!

Clothing/Plastics
>15% CAGR

Fertilizer

Cement/Steel
>5% CAGR

2.5 billion Tons CO₂ (1.9 tons/capita) ~1 billion Tons CO_{2e}

World Energy Demand by Fuel Share - 2017

Agriculture

LDV Growth >
Public Transit

Solid fuel
Cook stoves

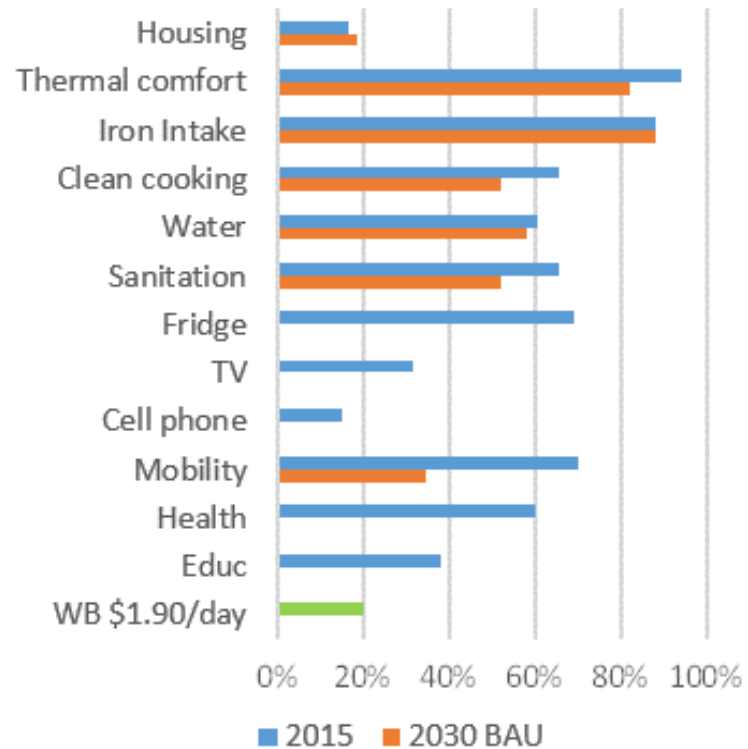


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If climate policy were to dovetail poverty eradication...

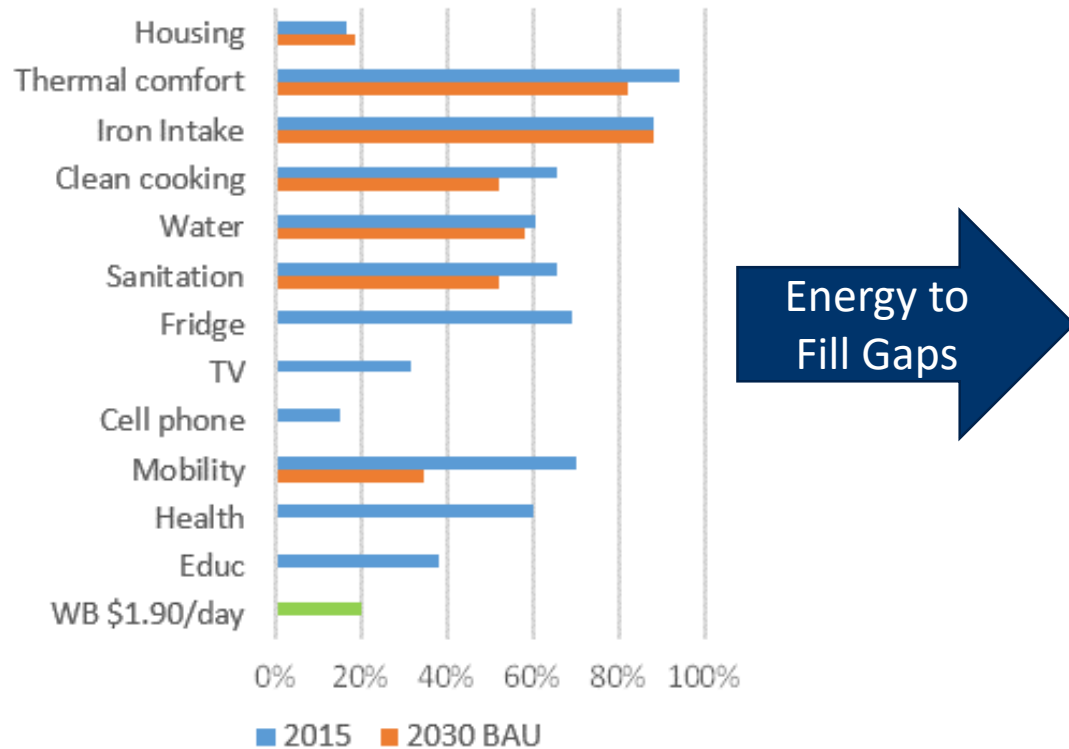
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Gaps in Decent Living Standards in India



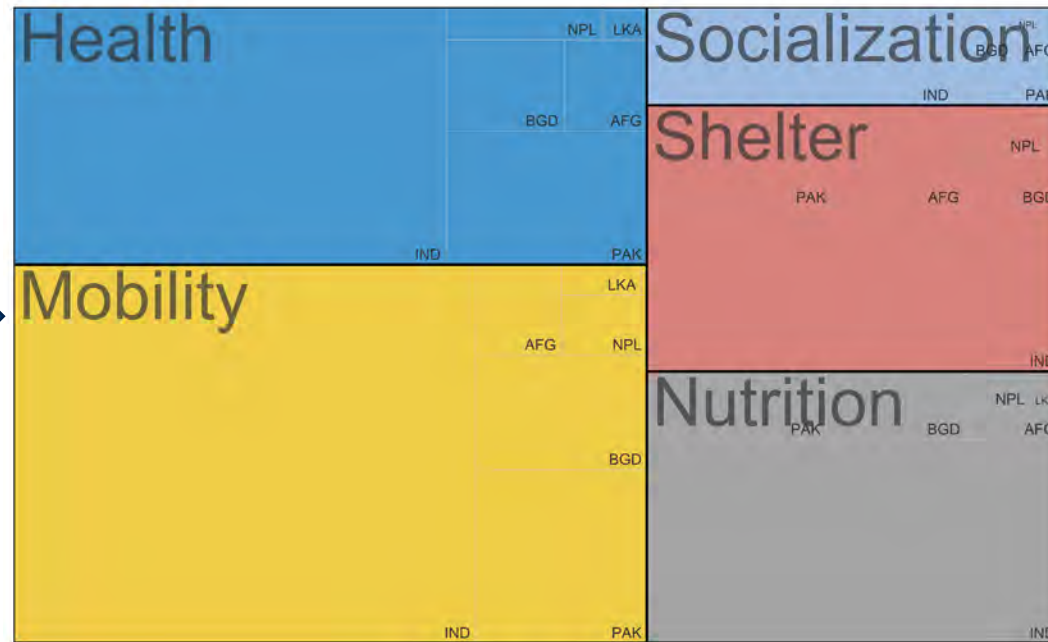
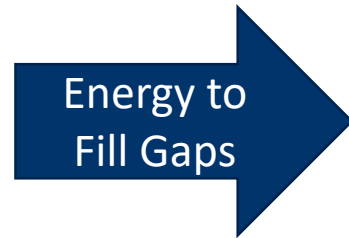
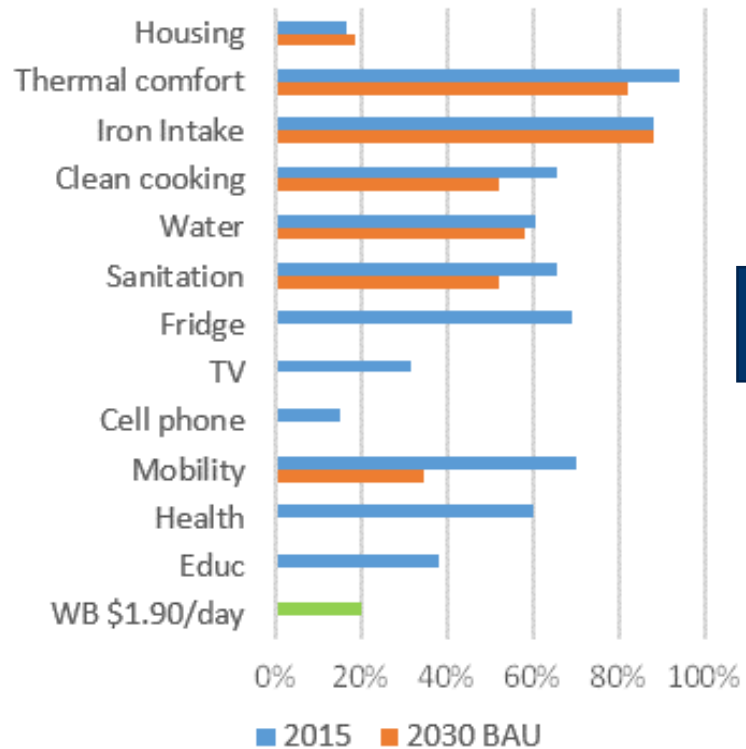
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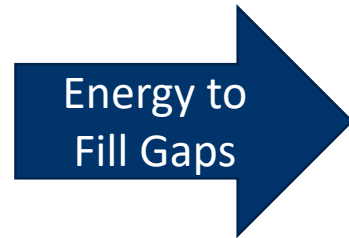
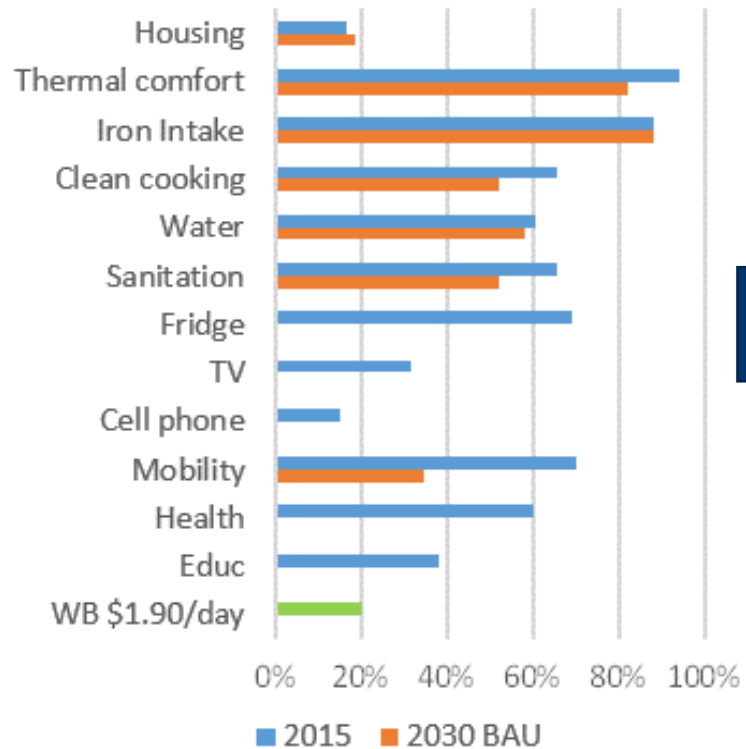
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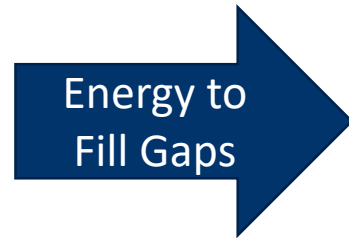
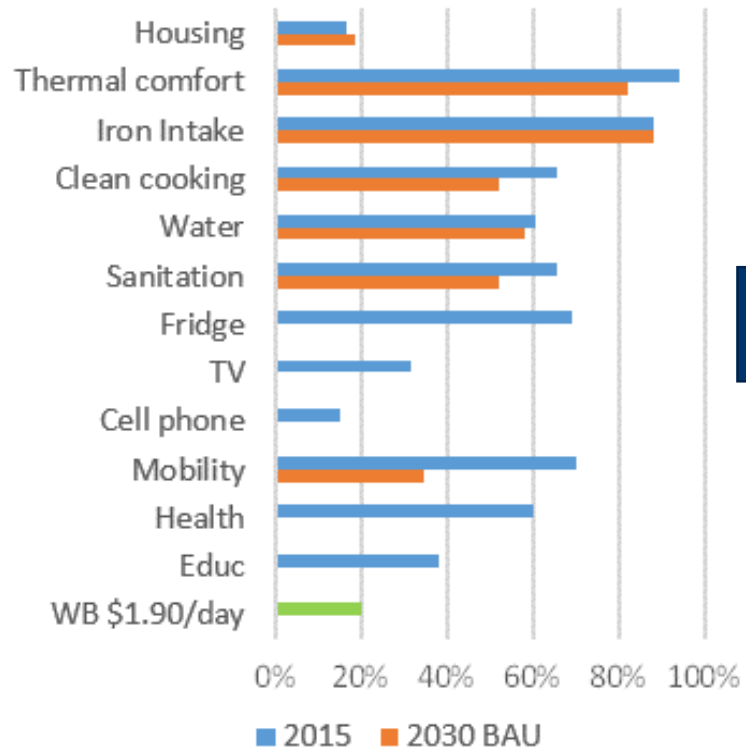
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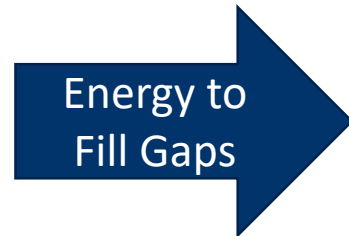
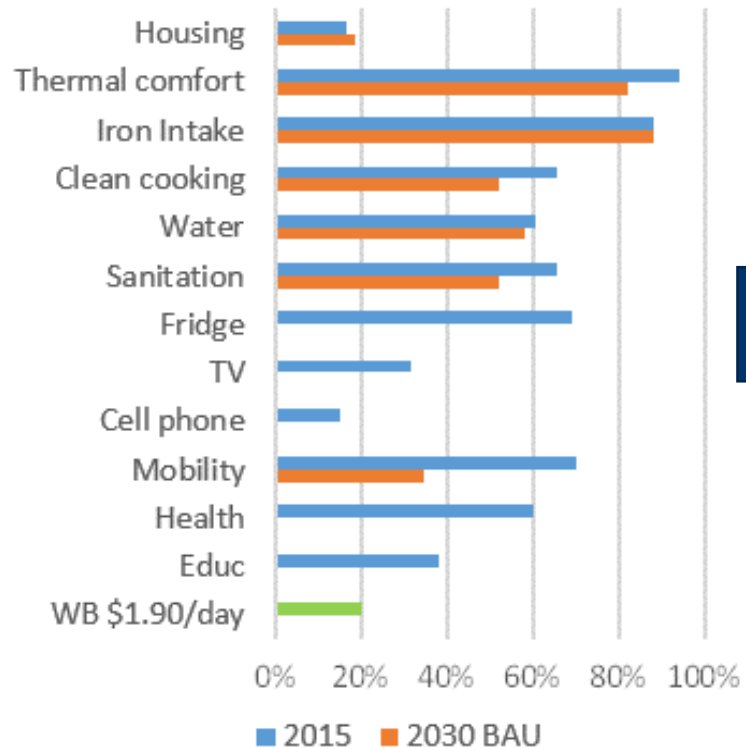
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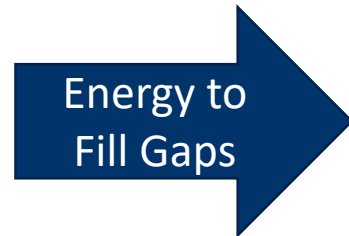
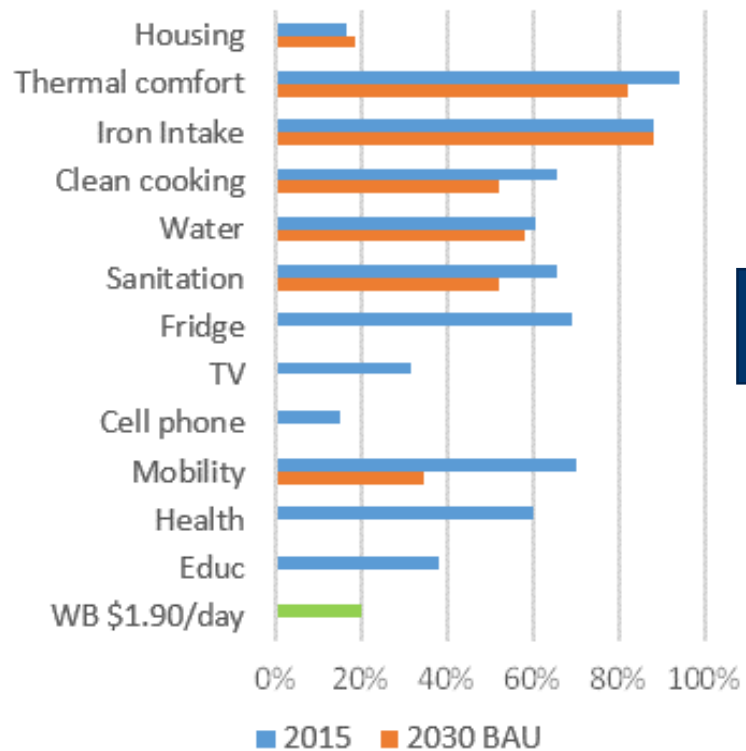
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Davis et al., *PNAS*, 2019