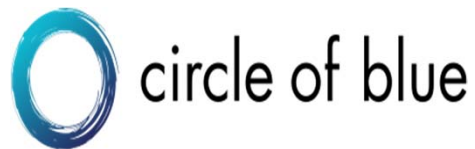


CHOKE POINT

Global

Competition Between Water, Energy, and Food in China and India

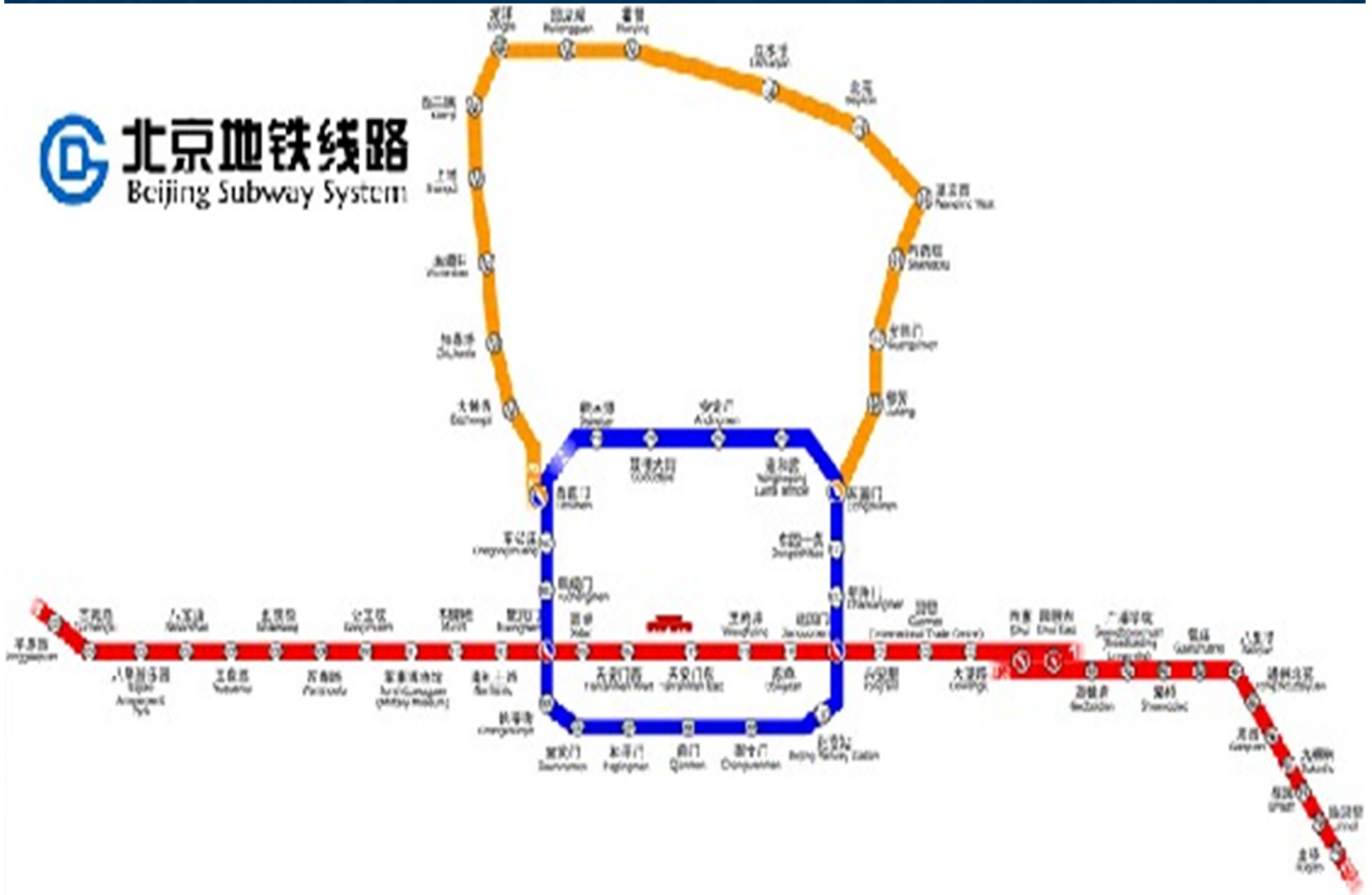


China's New Energy Prince?



Beijing Subway Map 2007

 **北京地铁线路**
Beijing Subway System



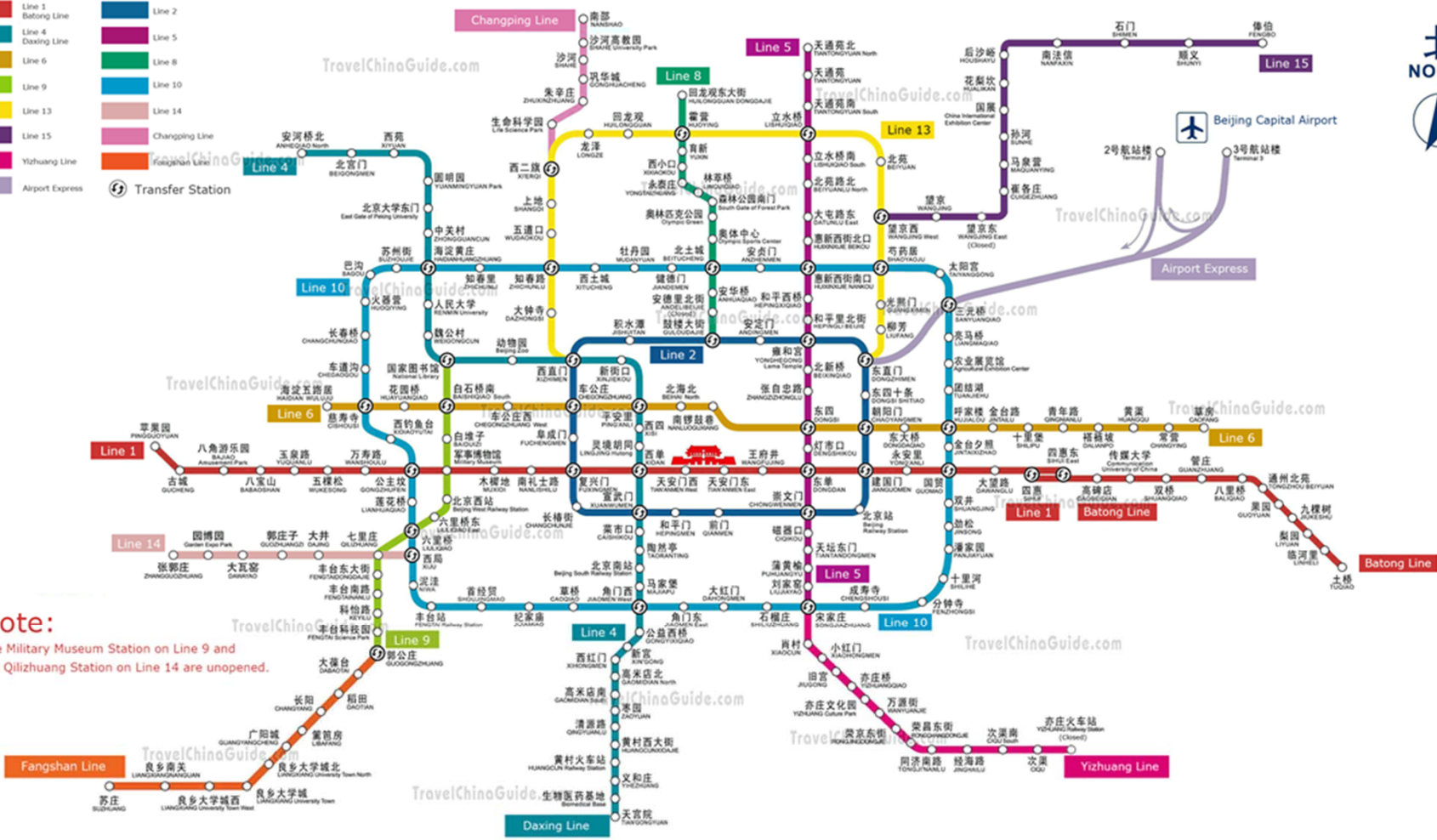
Beijing Subway Map 2013



Beijing Subway Map (Click to Enlarge)

Legend:

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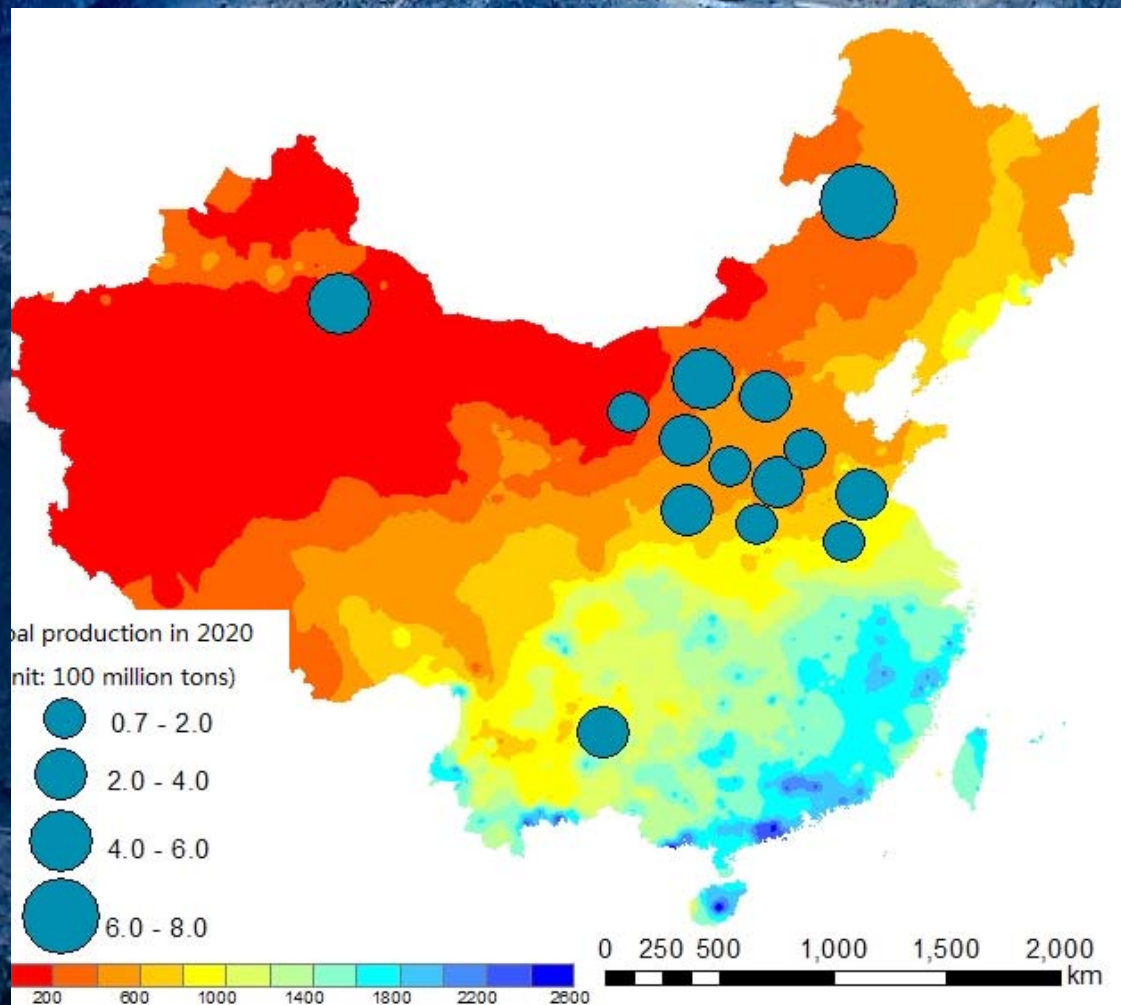


Note:

The Military Museum Station on Line 9 and the Qilizhuang Station on Line 14 are unopened.

Seven and Counting.....







Source: Associated Press

The King is Thirsty



 circle of blue

China's Demand for Energy is Outpacing its Freshwater Supply

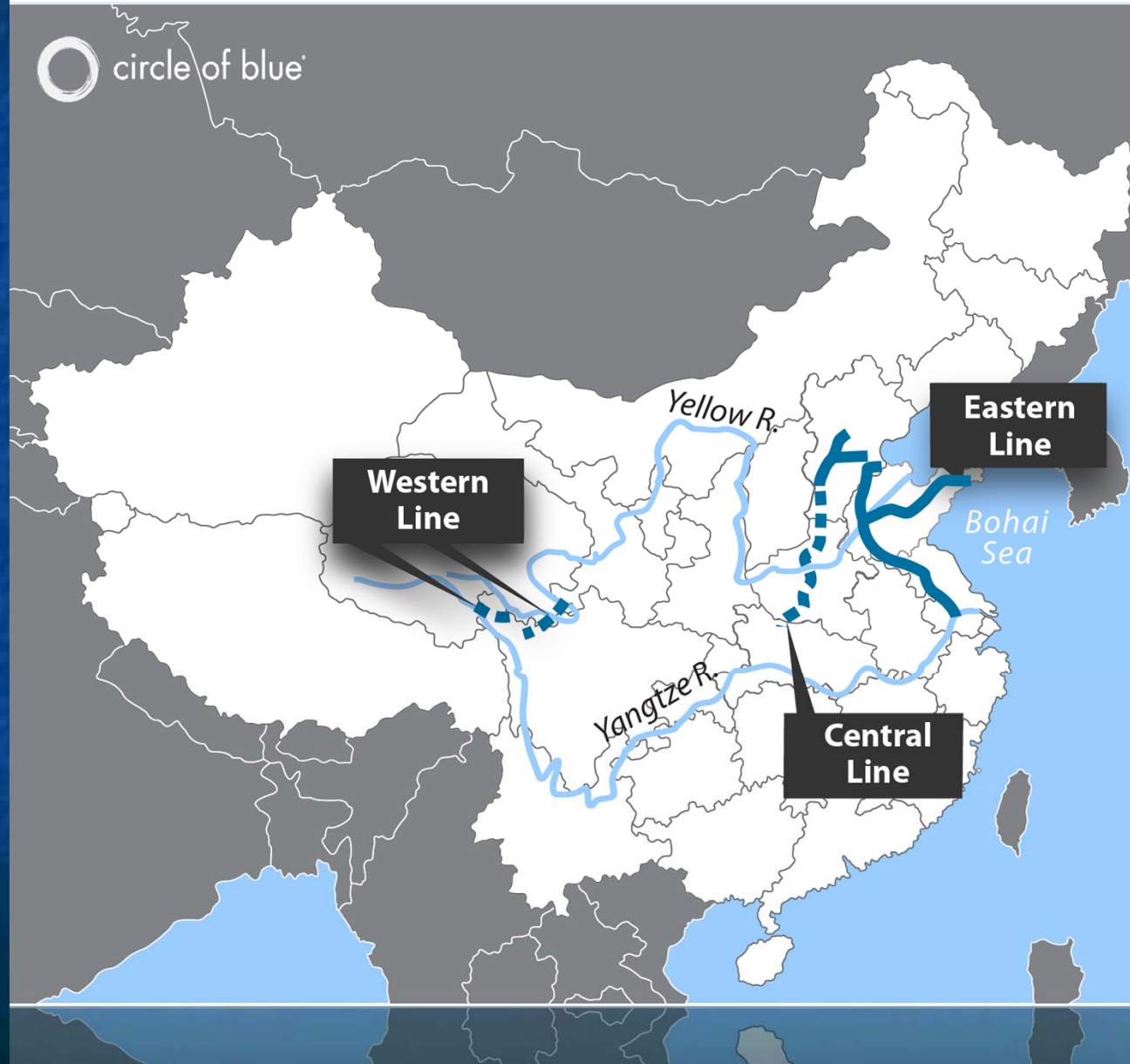


Water on the Move



SOUTH-NORTH WATER TRANSFER

 circle of blue



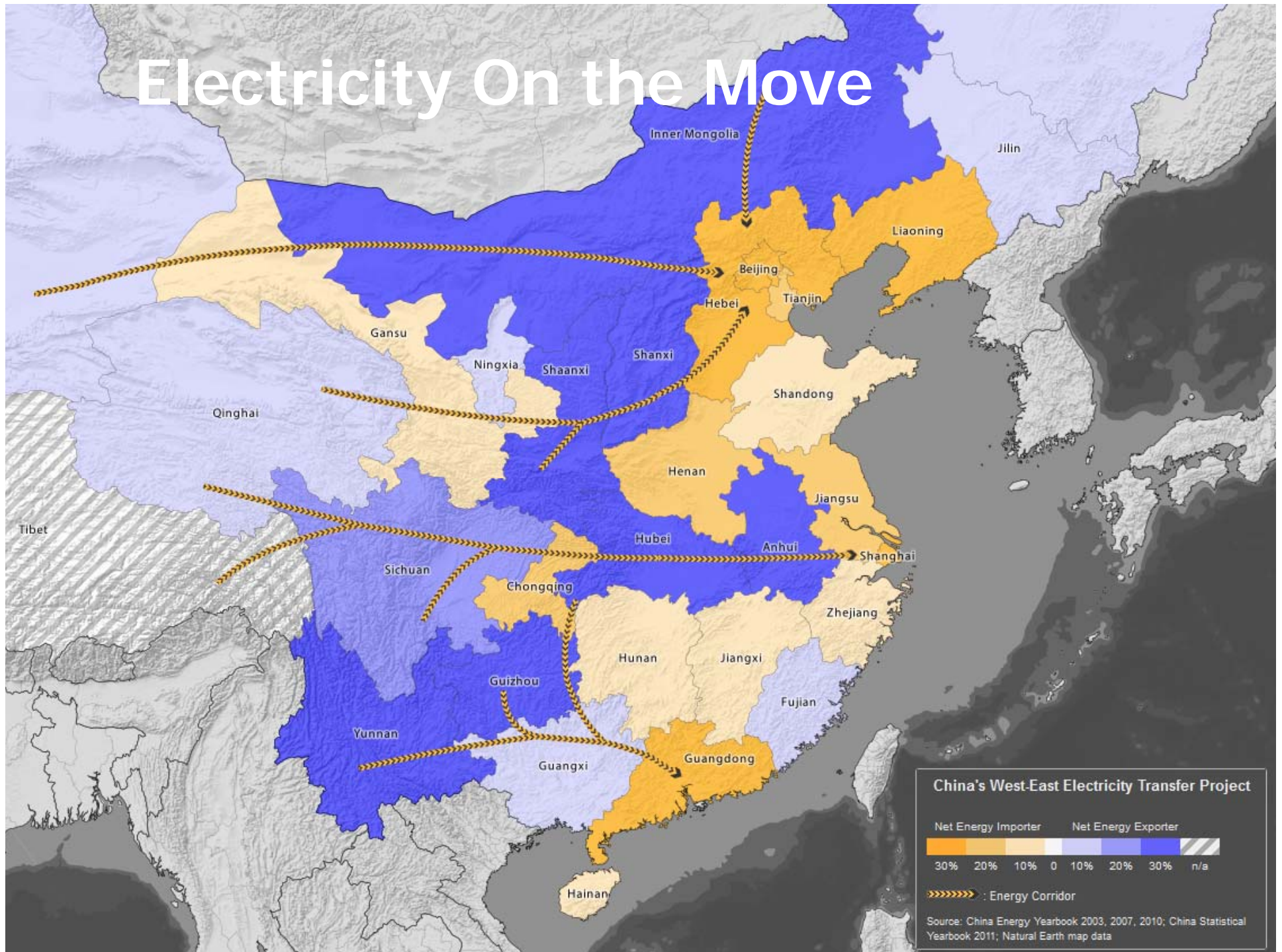
Agriculture on the Move



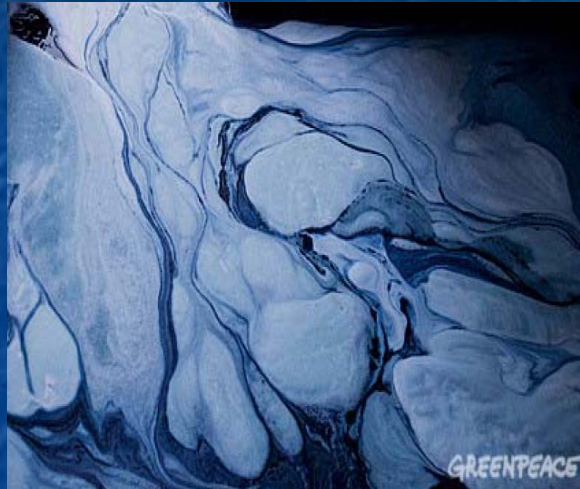
Agriculture on the Move



Electricity On the Move



Rivers Run **Red**, **Green**, **Denim Blue**...



CHOKER POINT: INDIA

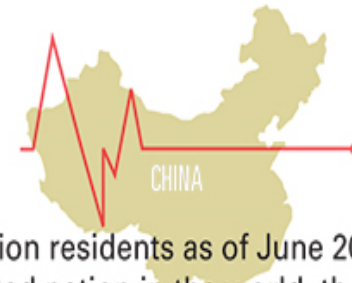


the agriculture industry supports 700 million residents



2nd

SECOND-LARGEST POPULATION: With 1.27 billion residents as of June 2013, India is currently the second most-populated nation in the world, though it is expected to pass China in 2025.



3rd

THIRD-LARGEST GRAIN HARVEST: Free water and free electricity is provided to grain farmers in India, which has led to massive surplus – 62 million metric tons of rice, or 60% of last year's harvest, is currently stored in government depots. Typically, India has about 25 million metric tons in storage.



4th

FOURTH-LARGEST ENERGY CONSUMER, FIFTH-LARGEST COAL RESERVES, & THIRD-LARGEST COAL PRODUCTION: India has 67 billion metric tons in proven reserves still to be mined, and India pulled 540 million metric tons of coal from its mines last year.

9th

NINTH-LARGEST FRESHWATER RESERVES: India's annual renewable water reserves total 1,608 billion cubic meters a year.



INDIA'S RESOURCE PROBLEMS: are not those of SCARCITY, but rather of INEFFICIENT USE and bureaucratic policies.

ANOTHER BLACKOUT

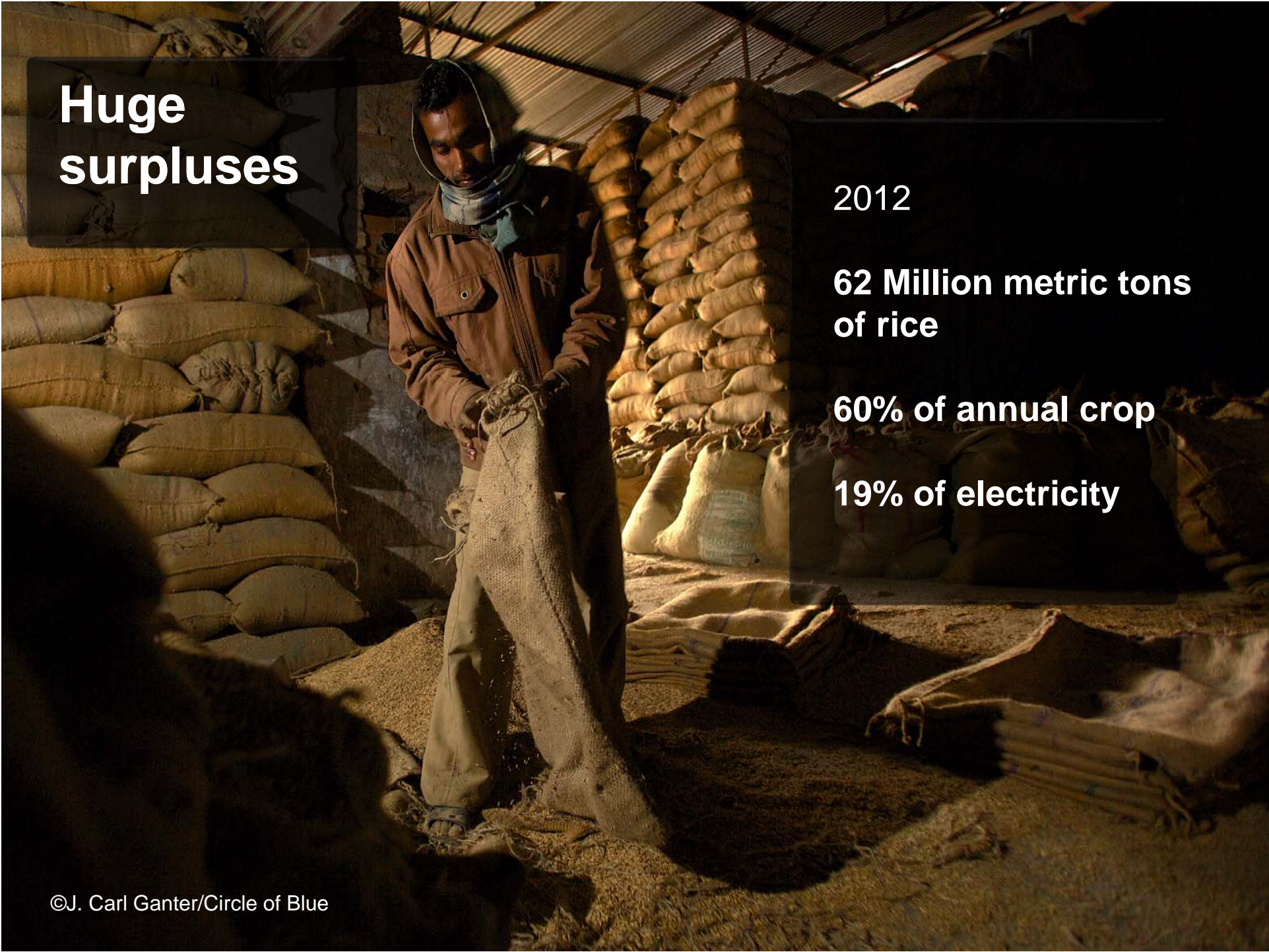


IBN Live

CNN
IBN

Free power
Free water





Huge surpluses

2012

**62 Million metric tons
of rice**

60% of annual crop

19% of electricity

**Rising coal
production**

**2013
Production
558 million
metric tons**

**Since 2003
Average annual
increase: 20
million metric
tons**





**Demand is
rising faster**

**2013
Demand
772 million
metric tons**

**2013
Imports
192 MMT**

**2003
25 MMT**

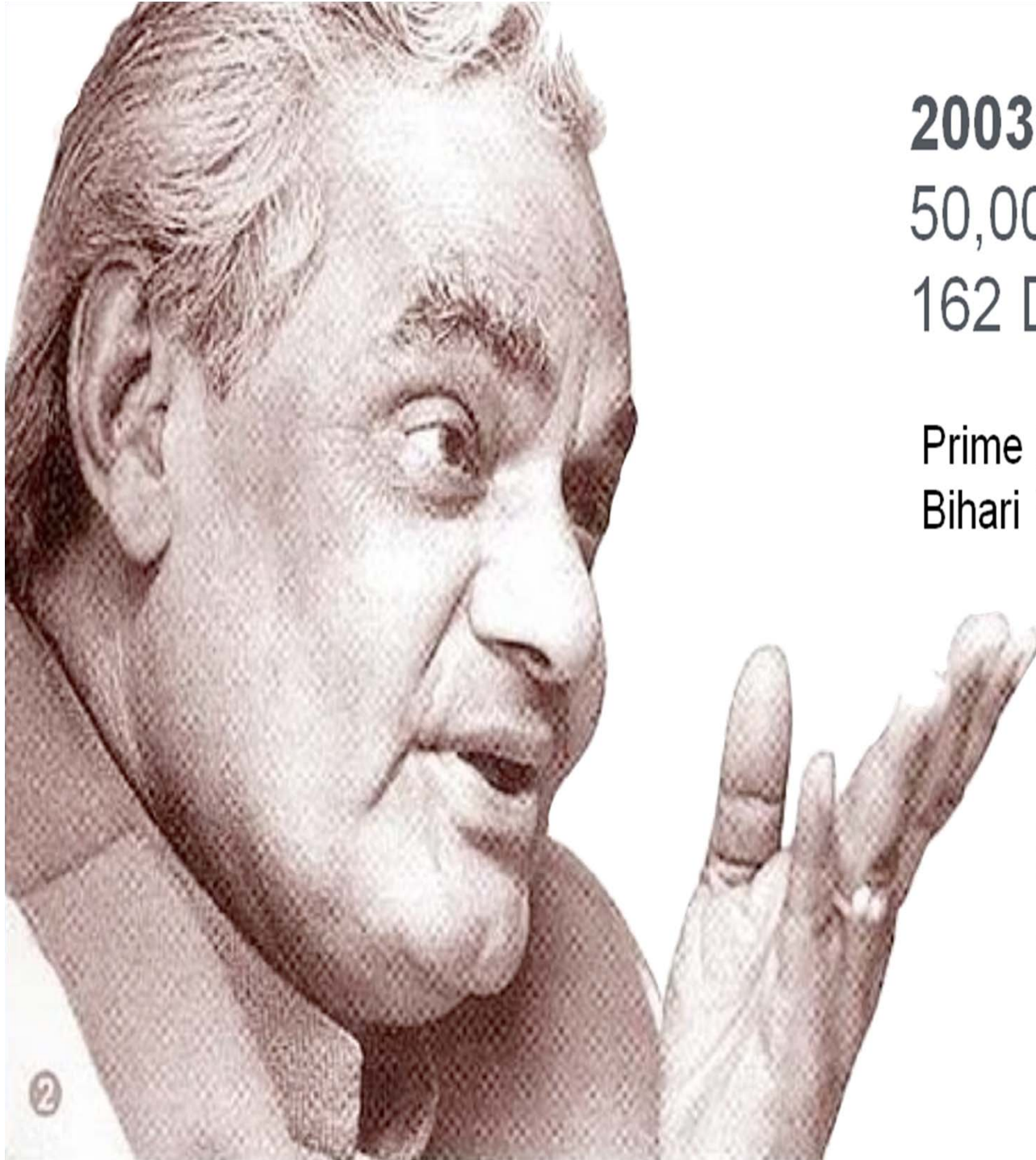
Jiantia Hills Box Coal Mine





Impediment

One-third of power is lost or stolen



2003 Electricity Act

50,000 Megawatts

162 Dams

Prime Minister Atal
Bihari Vajpayee



Vishnuprayag



18.06.2013 12:37