

ENERGY INFRASTRUCTURE CHALLENGES

Toby Mack, President & CEO
Energy Equipment & Infrastructure Alliance
IPAA Midyear Meeting - June 26, 2019





About EEIA

*A Diverse Association of
Companies and Trade Organizations
Advocating for Energy Infrastructure*



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Members

- *Contractors*
- *Equipment Suppliers*
- *Service Providers*
- *Materials and Supplies*
- *Trade Associations*
- *Labor Unions*
- *Midstream Operators*

LNG Export Capacity

Projects	Status	Capacity bcf/d	In Service
4	In Operation	5.3	
3	Commissioning	5.6	2019
4	Under Construction	4.5	2019-2024
7	FERC Approved, Not Yet Under Construction	13	After 2022
7	FERC Final EIS Issued; Not Yet Approved	12	After 2022
7	Announced, Pre-filing or Under Review	9.5	After 2022
32		49.9	

Sources: FERC, Project Websites, Project News Releases, Press Reports

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Pipelines

**Under Construction,
Approved, Pending, or Announced
Project value > \$400 million**

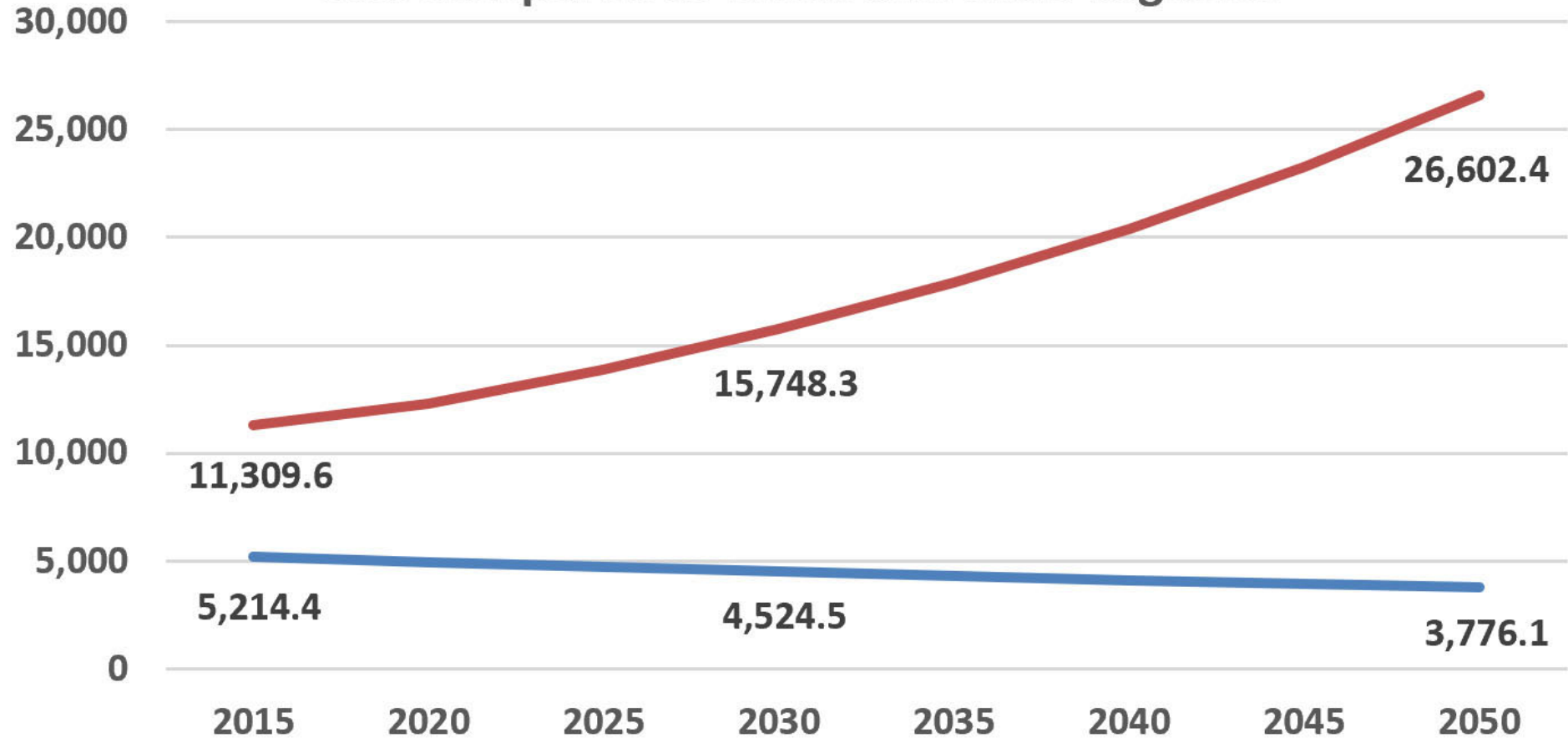
	Number	Miles	Capacity	Cost \$B
Natural Gas	30	6,200	47 bcf/d	\$45.0
NGLs	7	3,500	2.4 mbpd	\$8.5
Crude Oil	14	6,500	8.7 mbpd	\$30.0
Total	51	16,200		\$83.5

Sources: FERC, Project Websites, Project News Releases, Press Reports

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Millions of Metric Tons of CO₂ Emitted

U.S. Compared to China and India Together

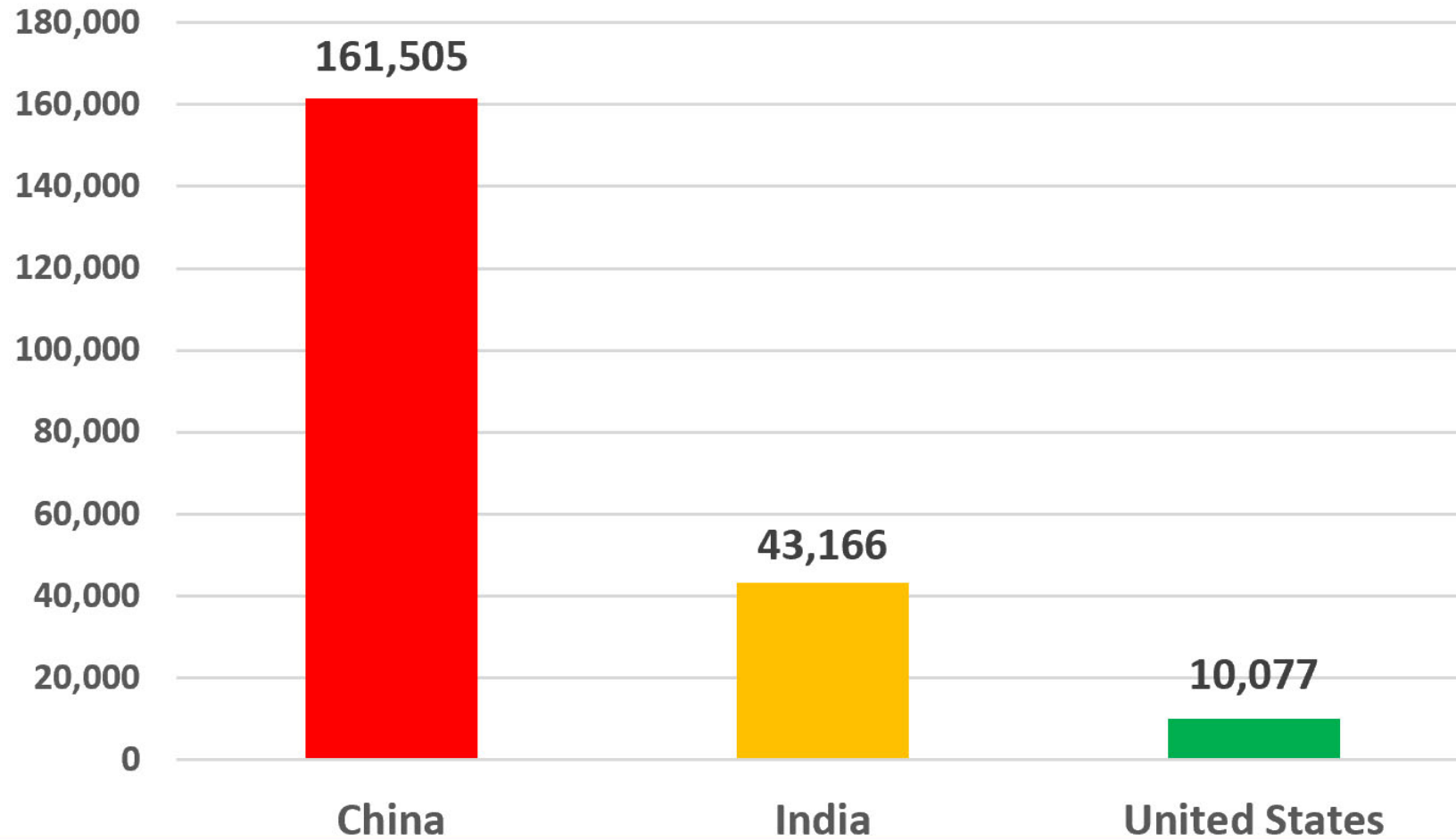


— United States — China+India

Source Data: BP Statistical Review of World Energy June 2018

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Cumulative CO2 Emissions - Millions of Metric Tons Over Service Lives of Existing or Planned Coal Power Plants



Milions of Metric Tons, from units of 30 MW or larger. Based on plant service life of 40 years. For plants already over 40, assumes 5 more years of operations.

Source: CoalSwarm Global Coal Plant Tracker, January 2019. Chart Copyright 2019 EEIA



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THANK YOU

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