

Table 1. India total primary energy consumption, by case, 2015-40

(quadrillion Btu)

Case	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case ^a	28.6	33.7	38.8	46.3	56.9	69.4	3.6%
Consumption-led case	28.6	34.7	41.9	52.9	68.3	87.0	4.6%
Export-led case	28.6	34.7	42.2	53.8	70.2	90.5	4.7%
Investment-led case	28.6	34.8	42.2	53.4	69.1	88.1	4.6%

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbb_180104.155422;

Consumption-led case, run IND_HI_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run IND_HI_AllIF_boostX1pt25_180223.171608

Table 2. India gross domestic product (GDP) expressed in real purchasing power parity, by case, 2015-40

(billion 2010 dollars)

Case	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case ^a	7,330	10,325	14,010	18,766	24,565	31,606	6.0%
Consumption-led case	7,330	10,839	15,597	22,103	30,497	41,240	7.2%
Export-led case	7,330	10,738	15,461	21,915	30,238	40,862	7.1%
Investment-led case	7,330	10,839	15,594	22,070	30,350	40,755	7.1%

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run IND_HI_AllIF_boostX1pt25_180223.171608

Table 3. India gross domestic product (GDP) expressed in nominal purchasing power parity, by case, 2015-40

(billion nominal dollars)

Case	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case ^a	8,021	12,164	18,117	26,717	38,522	54,585	8.0%
Consumption-led case	8,021	12,783	20,274	31,813	48,706	73,248	9.3%
Export-led case	8,021	12,661	20,115	31,699	48,966	74,792	9.3%
Investment-led case	8,021	12,782	20,279	31,843	48,819	73,548	9.3%

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run IND_HI_AllIF_boostX1pt25_180223.171608

Table 4. India gross domestic product (GDP) expressed in real market exchange rates, by case, 2015-40

(billion 2010 dollars)

Case	2015	2020	2025	2030	2035	2040	Average annual
							percent change (2015-40)
IEO2018 Reference case ^a	2,194	3,091	4,194	5,618	7,355	9,463	6.0%
Consumption-led case	2,194	3,245	4,670	6,618	9,131	12,348	7.2%
Export-led case	2,194	3,215	4,629	6,561	9,053	12,235	7.1%
Investment-led case	2,194	3,245	4,669	6,608	9,087	12,203	7.1%

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run IND_HI_AllIF_boostX1pt25_180223.171608

Table 5. India gross domestic product (GDP) expressed in nominal market exchange rates, by case, 2015-40

(billion nominal dollars)

Case	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case ^a	2,072	3,632	5,914	9,094	13,607	20,007	9.5%
Consumption-led case	2,072	3,723	6,034	9,202	13,697	20,130	9.5%
Export-led case	2,072	3,709	6,039	9,220	13,733	20,202	9.5%
Investment-led case	2,072	3,721	6,006	9,070	13,257	18,875	9.2%

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run

IND_HI_AllIF_boostX1pt25_180223.171608

Table 6. India industrial sector energy consumption, by case and sector, 2015-40

(quadrillion Btu)

Case/sector	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case^a							
Energy-intensive manufacturing	6.6	7.5	8.9	10.6	12.8	15.4	3.4%
Nonenergy-intensive manufacturing	6.8	7.1	7.9	9.4	11.4	13.6	2.8%
Nonmanufacturing	1.3	1.4	1.4	1.5	1.6	1.7	1.3%
Total	14.7	16.0	18.3	21.5	25.8	30.7	3.0%
Consumption-led case							
Energy-intensive manufacturing	6.6	7.8	9.8	12.3	15.7	19.8	4.5%
Nonenergy-intensive manufacturing	6.8	7.3	8.7	10.9	14.1	18.0	3.9%
Nonmanufacturing	1.3	1.4	1.4	1.6	1.8	2.0	1.9%
Total	14.7	16.5	19.9	24.9	31.6	39.7	4.1%
Export-led case							
Energy-intensive manufacturing	6.6	7.8	10.0	12.7	16.6	21.2	4.8%
Nonenergy-intensive manufacturing	6.8	7.3	8.8	11.3	14.9	19.3	4.2%
Nonmanufacturing	1.3	1.4	1.4	1.6	1.8	2.0	1.9%
Total	14.7	16.5	20.2	25.6	33.3	42.5	4.3%
Investment-led case							
Energy-intensive manufacturing	6.6	7.8	9.9	12.5	16.1	20.3	4.6%
Nonenergy-intensive manufacturing	6.8	7.4	8.8	11.1	14.5	18.7	4.1%
Nonmanufacturing	1.3	1.4	1.5	1.6	1.8	2.1	2.0%
Total	14.7	16.5	20.1	25.3	32.4	41.0	4.2%

Notes: Totals may not equal sum of components due to independent rounding.

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run

IND_HI_AllIF_boostX1pt25_180223.171608

Table 7. India gross output expressed in real purchasing power parity, by case and sector, 2015-40

(billion 2010 dollars)

Case/sector	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case^a							
Energy-intensive manufacturing	2,795	3,498	4,772	6,183	7,976	10,033	5.2%
Nonenergy-intensive manufacturing	2,598	3,396	4,681	6,269	8,365	10,806	5.9%
Agriculture	1,513	1,800	2,004	2,238	2,486	2,777	2.5%
Extraction	273	357	369	375	382	396	1.5%
Construction	1,584	1,629	2,195	2,973	3,844	4,825	4.6%
Services	5,087	7,795	11,054	15,236	20,339	26,564	6.8%
Total	13,850	18,475	25,074	33,274	43,392	55,400	5.7%
Consumption-led case							
Energy-intensive manufacturing	2,795	3,674	5,306	7,232	9,755	12,788	6.3%
Nonenergy-intensive manufacturing	2,598	3,575	5,281	7,577	10,780	14,800	7.2%
Agriculture	1,513	1,813	2,068	2,396	2,780	3,258	3.1%
Extraction	273	359	389	414	441	477	2.3%
Construction	1,584	1,719	2,438	3,447	4,635	6,045	5.5%
Services	5,087	8,213	12,424	18,169	25,596	35,157	8.0%
Total	13,850	19,352	27,907	39,235	53,987	72,524	6.8%
Export-led case							
Energy-intensive manufacturing	2,795	3,678	5,414	7,517	10,329	13,774	6.6%
Nonenergy-intensive manufacturing	2,598	3,578	5,382	7,872	11,438	16,046	7.6%
Agriculture	1,513	1,811	2,071	2,413	2,827	3,354	3.2%
Extraction	273	358	386	412	439	474	2.2%
Construction	1,584	1,699	2,399	3,358	4,450	5,703	5.3%
Services	5,087	8,090	12,197	17,769	24,927	34,093	7.9%
Total	13,850	19,214	27,849	39,340	54,409	73,445	6.9%
Investment-led case							
Energy-intensive manufacturing	2,795	3,688	5,351	7,329	9,911	12,958	6.3%
Nonenergy-intensive manufacturing	2,598	3,593	5,345	7,744	11,136	15,455	7.4%
Agriculture	1,513	1,814	2,074	2,411	2,812	3,311	3.2%
Extraction	273	364	419	464	510	565	3.0%
Construction	1,584	1,786	2,581	3,702	5,017	6,535	5.8%
Services	5,087	8,150	12,247	17,785	24,839	33,727	7.9%
Total	13,850	19,395	28,017	39,435	54,225	72,552	6.8%

Notes: Totals may not equal sum of components due to independent rounding.

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run

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Table 8. India gross output expressed in nominal purchasing power parity, by case and sector, 2015-40

(billion nominal dollars)

Case/sector	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case^a							
Energy-intensive manufacturing	2,407	3,326	4,966	7,069	10,054	13,955	7.3%
Nonenergy-intensive manufacturing	2,355	3,283	4,825	6,794	9,533	12,949	7.1%
Agriculture	1,683	2,128	2,593	3,162	3,835	4,671	4.2%
Extraction	195	304	346	386	432	491	3.8%
Construction	1,653	1,906	2,958	4,806	7,568	11,549	8.1%
Services	6,028	9,821	15,262	23,045	33,685	48,136	8.7%
Total	14,321	20,768	30,949	45,263	65,108	91,751	7.7%
Consumption-led case							
Energy-intensive manufacturing	2,407	3,498	5,563	8,394	12,608	18,473	8.5%
Nonenergy-intensive manufacturing	2,355	3,439	5,351	7,984	11,875	17,111	8.3%
Agriculture	1,683	2,146	2,693	3,430	4,386	5,669	5.0%
Extraction	195	306	367	433	510	612	4.7%
Construction	1,653	2,014	3,307	5,648	9,330	14,967	9.2%
Services	6,028	10,352	17,228	27,755	43,142	65,510	10.0%
Total	14,321	21,754	34,509	53,643	81,851	122,343	9.0%
Export-led case							
Energy-intensive manufacturing	2,407	3,503	5,690	8,802	13,629	20,719	9.0%
Nonenergy-intensive manufacturing	2,355	3,448	5,481	8,385	12,864	19,262	8.8%
Agriculture	1,683	2,145	2,704	3,486	4,556	6,082	5.3%
Extraction	195	305	366	434	518	634	4.8%
Construction	1,653	1,991	3,264	5,552	9,151	14,714	9.1%
Services	6,028	10,202	16,949	27,334	42,740	65,786	10.0%
Total	14,321	21,595	34,454	53,994	83,457	127,197	9.1%
Investment-led case							
Energy-intensive manufacturing	2,407	3,513	5,619	8,543	12,930	19,073	8.6%
Nonenergy-intensive manufacturing	2,355	3,458	5,418	8,166	12,284	17,937	8.5%
Agriculture	1,683	2,148	2,705	3,467	4,479	5,874	5.1%
Extraction	195	310	396	486	596	739	5.5%
Construction	1,653	2,093	3,507	6,092	10,199	16,498	9.6%
Services	6,028	10,279	17,010	27,268	42,213	63,916	9.9%
Total	14,321	21,802	34,655	54,022	82,701	124,036	9.0%

Notes: Totals may not equal sum of components due to independent rounding.

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run

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Table 9. India total delivered energy consumption, by case and end-use sector, 2015-40

(quadrillion Btu)

Case/sector	2015	2020	2025	2030	2035	2040	Average annual percent change (2015-40)
IEO2018 Reference case^a							
Industrial end-use sector	14.7	16.0	18.3	21.5	25.8	30.7	3.0%
All other end-use sectors	6.8	8.1	9.9	12.1	15.1	18.8	4.1%
Total delivered energy	21.5	24.1	28.2	33.6	40.9	49.4	3.4%
Consumption-led case							
Industrial end-use sector	14.7	16.5	19.9	24.9	31.6	39.7	4.1%
All other end-use sectors	6.8	8.4	10.6	13.7	17.8	22.8	4.9%
Total delivered energy	21.5	24.9	30.6	38.5	49.5	62.5	4.4%
Export-led case							
Industrial end-use sector	14.7	16.5	20.2	25.6	33.3	42.5	4.3%
All other end-use sectors	6.8	8.3	10.6	13.7	17.9	23.0	5.0%
Total delivered energy	21.5	24.8	30.9	39.4	51.2	65.6	4.6%
Investment-led case							
Industrial end-use sector	14.7	16.5	20.1	25.3	32.4	41.0	4.2%
All other end-use sectors	6.8	8.4	10.7	13.7	17.8	22.7	4.9%
Total delivered energy	21.5	24.9	30.8	39.0	50.3	63.7	4.4%

Notes: Totals may not equal sum of components due to independent rounding.

^aThe IEO2018 Reference case includes updates to the macroeconomic information, but no modeling changes have been made to other end-use sectors or assumptions

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2018), IEO2018 Reference case, run tPGDfix_AEO2018_Nov30dbs_180104.155422;

Consumption-led case, run IND_Hi_fixET_RXD_allC_180212.102549; Export-led case, run, IND_HI_allXbase_boostXshare_v2_180216.152449; and Investment-led case, run

IND_HI_AllIF_boostX1pt25_180223.171608