Table 1. China 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]	132.6	146.7	152.5	154.8	157.9	162.2	**0.8%**
No Transition case	132.6	151.2	167.5	178.4	188.7	199.8	**1.7%**
Fast Transition case	132.6	143.2	159.6	169.7	180.8	193.3	**1.5%**

[a]The 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;

No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 2. China 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]	18,160	24,579	31,259	38,335	46,029	54,155	**4.5%**
No Transition case	18,160	25,848	35,302	46,179	58,736	72,957	**5.7%**
Fast Transition case	18,160	25,868	35,243	45,980	58,470	72,572	**5.7%**

[a]The 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

No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

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Table 3. China 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]	19,698	28,912	40,479	54,736	72,482	94,056	**6.5%**
No Transition case	19,698	30,500	46,717	69,257	101,256	146,870	**8.4%**
Fast Transition case	19,698	30,494	46,435	68,288	99,196	143,620	**8.3%**

[a]The 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; No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 4. China 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]	8,910	12,060	15,337	18,809	22,584	26,571	**4.5%**
No Transition case	8,910	12,682	17,321	22,657	28,819	35,796	**5.7%**
Fast Transition case	8,910	12,692	17,292	22,560	28,688	35,607	**5.7%**

[a]The 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;

No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 5. China 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]	10,960	17,065	27,393	41,002	58,200	78,434	**8.2%**
No Transition case	10,960	17,737	32,389	53,793	81,069	116,315	**9.9%**
Fast Transition case	10,960	18,005	31,170	50,940	81,561	128,513	**10.3%**

[a]The 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;

No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 6. China 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	47.7	48.3	46.7	44.0	41.7	40.0	**-0.7%**
Nonenergy-intensive manufacturing	17.1	20.2	20.7	20.6	20.7	20.9	**0.8%**
Nonmanufacturing	6.4	6.9	6.6	6.0	5.4	4.8	**-1.2%**
Total	**71.2**	**75.5**	**74.0**	**70.5**	**67.8**	**65.7**	**-0.3%**
No Transition case							
Energy-intensive manufacturing	47.7	50.4	52.5	52.1	51.6	51.4	**0.3%**
Nonenergy-intensive manufacturing	17.1	21.1	23.1	24.5	25.9	27.2	**1.9%**
Nonmanufacturing	6.4	7.0	7.1	7.0	7.0	6.9	**0.3%**
Total	**71.2**	**78.4**	**82.8**	**83.7**	**84.5**	**85.5**	**0.7%**
Fast Transition case							
Energy-intensive manufacturing	47.7	44.1	47.2	47.1	47.3	48.0	**0.0%**
Nonenergy-intensive manufacturing	17.1	20.8	22.8	24.0	25.3	26.5	**1.8%**
Nonmanufacturing	6.4	7.0	7.0	6.6	6.2	5.8	**-0.4%**
Total	**71.2**	**71.9**	**77.0**	**77.7**	**78.8**	**80.3**	**0.5%**

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

[a]The 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;

No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 7. China 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	11,444	14,048	16,243	18,136	19,972	21,545	**2.6%**
Nonenergy-intensive manufacturing	20,795	28,059	33,982	39,791	45,527	51,040	**3.7%**
Agriculture	2,603	3,007	3,198	3,210	3,078	2,786	**0.3%**
Extraction	2,126	2,233	2,366	2,449	2,495	2,512	**0.7%**
Construction	4,957	6,395	7,977	9,770	11,368	12,430	**3.7%**
Services	16,711	24,260	32,821	42,070	52,360	63,908	**5.5%**
Total	**58,636**	**78,003**	**96,586**	**115,426**	**134,800**	**154,221**	**3.9%**
No Transition case							
Energy-intensive manufacturing	11,444	14,590	18,254	21,429	24,491	27,341	**3.5%**
Nonenergy-intensive manufacturing	20,795	30,037	39,763	49,835	60,322	71,306	**5.1%**
Agriculture	2,603	2,752	2,979	2,977	2,839	2,509	**-0.1%**
Extraction	2,126	2,283	2,715	3,251	3,757	4,137	**2.7%**
Construction	4,957	7,450	10,354	14,045	18,779	24,327	**6.6%**
Services	16,711	24,244	34,849	46,826	61,007	77,714	**6.3%**
Total	**58,636**	**81,355**	**108,914**	**138,363**	**171,195**	**207,334**	**5.2%**
Fast Transition case							
Energy-intensive manufacturing	11,444	13,094	16,632	19,827	23,307	26,928	**3.5%**
Nonenergy-intensive manufacturing	20,795	29,171	38,525	47,600	56,926	66,129	**4.7%**
Agriculture	2,603	3,115	3,530	3,809	3,977	4,008	**1.7%**
Extraction	2,126	2,259	2,518	2,761	2,959	3,114	**1.5%**
Construction	4,957	6,776	9,067	11,609	13,965	15,609	**4.7%**
Services	16,711	25,464	37,270	51,296	68,394	89,177	**6.9%**
Total	**58,636**	**79,880**	**107,542**	**136,902**	**169,527**	**204,965**	**5.1%**

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

[a]The 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; No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 8. China 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	10,298	14,115	17,869	21,834	26,317	31,098	**4.5%**
Nonenergy-intensive manufacturing	21,167	29,869	40,247	51,296	62,841	74,201	**5.1%**
Agriculture	3,008	3,695	4,311	4,731	4,951	4,883	**2.0%**
Extraction	1,607	2,008	2,339	2,653	2,955	3,250	**2.9%**
Construction	5,375	7,776	11,201	16,475	23,329	30,995	**7.3%**
Services	20,717	32,452	48,276	67,940	92,647	123,839	**7.4%**
Total	**62,173**	**89,915**	**124,243**	**164,928**	**213,040**	**268,267**	**6.0%**
No Transition case							
Energy-intensive manufacturing	10,298	14,844	20,046	26,012	34,520	46,218	**6.2%**
Nonenergy-intensive manufacturing	21,167	32,222	47,912	66,809	90,361	120,552	**7.2%**
Agriculture	3,008	3,429	4,017	4,436	4,899	5,170	**2.2%**
Extraction	1,607	2,081	2,685	3,561	4,773	6,291	**5.6%**
Construction	5,375	9,186	14,543	23,952	41,346	71,310	**10.9%**
Services	20,717	32,324	53,711	82,322	120,341	172,133	**8.8%**
Total	**62,173**	**94,085**	**142,915**	**207,092**	**296,240**	**421,674**	**8.0%**
Fast Transition case							
Energy-intensive manufacturing	10,298	13,351	18,790	24,941	32,976	43,649	**5.9%**
Nonenergy-intensive manufacturing	21,167	31,391	46,514	63,801	85,219	111,781	**6.9%**
Agriculture	3,008	3,869	4,867	5,842	6,843	7,854	**3.9%**
Extraction	1,607	2,054	2,547	3,113	3,748	4,503	**4.2%**
Construction	5,375	8,328	13,023	20,378	30,660	43,518	**8.7%**
Services	20,717	34,403	56,275	86,832	131,442	198,947	**9.5%**
Total	**62,173**	**93,395**	**142,015**	**204,906**	**290,888**	**410,251**	**7.8%**

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

[a]The 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; No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003

Table 9. China 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	71.2	75.5	74.0	70.5	67.8	65.7	**-0.3%**
All other end-use sectors	27.9	31.7	35.2	38.4	41.4	44.4	**1.9%**
Total delivered energy	**99.1**	**107.2**	**109.2**	**108.9**	**109.2**	**110.1**	**0.4%**
No Transition case							
Industrial end-use sector	71.2	78.4	82.8	83.7	84.5	85.5	**0.7%**
All other end-use sectors	27.9	32.4	37.8	42.7	47.4	52.2	**2.5%**
Total delivered energy	**99.1**	**110.8**	**120.6**	**126.4**	**131.8**	**137.7**	**1.3%**
Fast Transition case							
Industrial end-use sector	71.2	71.9	77.0	77.7	78.8	80.3	**0.5%**
All other end-use sectors	27.9	32.0	37.3	42.0	46.9	52.3	**2.5%**
Total delivered energy	**99.1**	**104.0**	**114.2**	**119.7**	**125.7**	**132.6**	**1.2%**

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

[a]The 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;

No Transition case, run CHI_Hi_lowCpercent_trial2_180221.132410; and Fast Transition case, run, IEO18_hiCEIS_180314.133003