

Table 1. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Emissions of main pollutants、Industrial solid waste emissions、Energy processing and conversion efficiency)

Year	Emissions of main pollutants (Unit: ten thousand tons)	Industrial solid waste emissions (Unit: ten thousand tons)	Energy processing and conversion efficiency (Unit: %)
2013	2103678.722	129.3	73
2014	2058852.57	59.4	73.1
2015	2000303.957	55.8	73.4
2016	2074246.394	32.23	73.5
2017	1583581.738	73.04	73
2018	3783009.74	73.04	72.8
2019	2522938.48	158.98	73.3
2020	1887224.76	113.49	73.7
2021	1251810.367	25.54	74.1
2022	616396	69.51	74.5

Table 2. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Total energy consumption、GDP、Industrial added value)

Year	Total energy consumption (Unit: tons of standard coal)	GDP (Unit: hundred million yuan)	Industrial added value (Unit: hundred million yuan)
2013	416913	592963.2	222333.2
2014	428334	643563.1	233197.4
2015	434113	688858.2	234968.9
2016	441492	746395.1	245406.4
2017	455827	832035.9	275119.3
2018	471925	919281.1	301089.3
2019	487488	986515.2	311858.7
2020	498314	1013567	312902.9
2021	525896	1143669.7	372575.3
2022	541000	1210207	401644

Table 3. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Aggregate financing to the real economy、Manufacturing value added、Number of employees in manufacturing industry)

Year	Aggregate financing to the real economy (Unit: trillion yuan)	Manufacturing value added (Unit: hundred million yuan)	Number of employees in manufacturing industry (Unit: ten thousand people)
2013	173168.87	181867.8	5257.9
2014	158760.8	195620.3	5243.1
2015	154063.41	199436	5068.7
2016	177999	209508.9	4893.8
2017	261535.86	233876.5	4635.5
2018	224920.18	255937.2	4178.3
2019	256735.1	264136.7	3832
2020	347917.46	266417.8	3805.5
2021	313407	313797.2	3828
2022	320101	335215.3	3850.5

Table 4. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Manufacturing industry export value、Research and development expenditures、Technology disbursement fees)

Year	Manufacturing industry export value (Unit: hundred million yuan)	Research and development expenditures (Unit: hundred million yuan)	Technology disbursement fees (Unit: hundred million yuan)
2013	177.6972554	11846.81177	2020.981727
2014	184.0758907	13015.42013	1584.129835
2015	180.3572508	14169.81317	1485.130788
2016	180.2709028	15676.53629	1708.266714
2017	197.7630396	17605.87964	1874.839824
2018	209.320914	19678.13123	1825.854479
2019	215.692266	22143.32018	1746.903016
2020	225.0207427	24334.7301	1811.102832
2021	270.5800137	27905.54068	1940.20282
2022	316.14	30739.2578	2069.3

Table 5. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Manufacturing industry fixed asset input、R&D internal expenditures、Internet penetration rate)

Year	Manufacturing industry fixed asset input (Unit: hundred million yuan)	R&D internal expenditures (Unit: hundred million yuan)	Internet penetration rate (Unit: %)
2013	147705	11846.6	45.8
2014	167025.3	13015.63	47.9
2015	180370.4	14169.88	50.3
2016	187962.1	15676.75	53.2
2017	193710	17606.13	55.8
2018	212112.45	19677.93	59.6
2019	218687.936	22143.58	64.5
2020	213876.8014	24393.11	70.4
2021	242750.1695	26642.639	73
2022	264840.435	28892.168	75.6

Table 6. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Railroad mileage、Inland waterway mileage、Highway mileage)

Year	Railroad mileage (Unit: kilometre)	Inland waterway mileage (Unit: kilometre)	Highway mileage (Unit: kilometre)
2013	103144.6	125853	4356218
2014	111821.1	126280	4463913
2015	120970.4	127001	4577296
2016	123991.9	127098.6	4696263
2017	126969.9	127018.6	4773469
2018	131651.3	127126.4	4846532
2019	139926.4	127298.4	5012496
2020	146330.4	127685.6	5198120
2021	150739.3	127642.3	5280708
2022	154900	128000	5354800

Table 7. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Civil aviation mileage、Total exports、Contract amount of foreign technology import)

Year	Civil aviation mileage (Unit: kilometre)	Total exports (Unit: hundred million yuan)	Contract amount of foreign technology import (Unit: hundred million yuan)
2013	4106000	137131	2685.627299
2014	4637214	143884	1909.477709
2015	5317230	141167	1753.536262
2016	6348144	138419	2041.045944
2017	7483033	153309	2216.413386
2018	8379833	164128	2192.609316
2019	9482204	172374	2428.340985
2020	9426313	179279	2196.057888
2021	6897750	217287	1963.7747
2022	6998900	255295	1731.4915

Table 8. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Total population、Growth rate of main business income in the manufacturing industry、Household consumption level)

Year	Total population (Unit: ten thousand people)	Growth rate of main business income in the manufacturing industry (Unit: %)	Household consumption level (Unit: yuan)
2013	136726	0.119503601	15586.2
2014	137646	0.08458248	17220.3
2015	138326	0.014765485	18857.2
2016	139232	0.055443177	20800.6
2017	140011	-0.03	22968.5
2018	140541	-0.08670844	25244.8
2019	141008	0.013307953	27504.1
2020	141212	0.019141653	27437.9
2021	141260	0.206156958	31072
2022	141308	0.39317225	31718

Table 9. Variables and raw data in the stock flow diagram of sustainable development in manufacturing industry based on multi-level factor demand and governance (Per capita consumption expenditure)

Year	Per capita consumption expenditure (Unit: yuan/person)
2013	13220.42
2014	14491.4
2015	15712.41
2016	17111
2017	18322.15
2018	19853
2019	21559
2020	21210
2021	24100.09
2022	24538