Table A15. Gross output by region and sector, High Economic Growth case

billion 2015 dollars

								Average annu percentage chang
Region and sector	2020	2025	2030	2035	2040	2045	2050	2020–209
DECD								
United States								
Energy-intensive manufacturing	\$2,575	\$3,141	\$3,496	\$3,893	\$4,313	\$4,752	\$5,247	2
Non-energy-intensive manufacturing	\$3,666	\$4,829	\$5,429	\$6,226	\$7,120	\$8,105	\$9,274	3
Nonmanufacturing	\$2,456	\$3,009	\$3,349	\$3,734	\$4,161	\$4,623	\$5,170	2
Services	\$25,509	\$32,004	\$35,993	\$40,769	\$45,894	\$51,314	\$57,423	2
Total	\$34,206	\$42,983	\$48,267	\$54,623	\$61,489	\$68,794	\$77,113	2
Canada								
Energy-intensive manufacturing	\$245	\$307	\$349	\$399	\$453	\$513	\$579	2
Non-energy-intensive manufacturing	\$311	\$410	\$457	\$515	\$579	\$650	\$730	2
Nonmanufacturing	\$458	\$526	\$583	\$649	\$712	\$779	\$853	2
Services	\$1,577	\$2,038	\$2,264	\$2,528	\$2,822	\$3,144	\$3,497	2
Total	\$2,590	\$3,281	\$3,654	\$4,091	\$4,567	\$5,087	\$5,658	
Mexico and other OECD Americas								
Energy-intensive manufacturing	\$811	\$960	\$1,083	\$1,224	\$1,372	\$1,531	\$1,703	2
Non-energy-intensive manufacturing	\$926	\$1,207	\$1,347	\$1,527	\$1,737	\$1,985	\$2,291	3
Nonmanufacturing	\$755	\$891	\$1,003	\$1,136	\$1,279	\$1,414	\$1,532	-
Services	\$2,888	\$3,660	\$4,203	\$4,840	\$5,533	\$6,253	\$6,988	3
Total	\$5,380	\$6,718	\$7,636	\$8,726	\$9,922	\$11,183	\$12,514	
OECD Europe								
Energy-intensive manufacturing	\$4,488	\$5,140	\$5,498	\$5,893	\$6,302	\$6,728	\$7,197	
Non-energy-intensive manufacturing	\$7,156	\$8,944	\$9,816	\$10,876	\$12,042	\$13,335	\$14,816	
Nonmanufacturing	\$4,159	\$4,898	\$5,327	\$5,777	\$6,250	\$6,743	\$7,279	
Services	\$27,308	\$32,327	\$35,408	\$38,582	\$42,062	\$45,886	\$50,160	
Total	\$43,112	\$51,309	\$56,049	\$61,127	\$66,655	\$72,692	\$79,452	
Japan		,	,	,	,	,		
Energy-intensive manufacturing	\$1,013	\$1,132	\$1,152	\$1,157	\$1,161	\$1,169	\$1,182	
Non-energy-intensive manufacturing	\$2,584	\$3,211	\$3,366	\$3,496	\$3,637	\$3,783	\$3,950	
Nonmanufacturing	\$630	\$692	\$696	\$698	\$702	\$702	\$704	
Services	\$5,566	\$6,111	\$6,392	\$6,556	\$6,723	\$6,896	\$7,106	
Total	\$9,793	\$11,146	\$11,607	\$11,907	\$12,224	\$12,550	\$12,942	
South Korea	Ų3,73 3	Ψ11,1 ··	Ψ11,007	Ψ 1 2,307	Ψ- - , ·	Ψ12,550	Ψ 1 2,3 12	
Energy-intensive manufacturing	\$1,084	\$1,251	\$1,358	\$1,444	\$1,516	\$1,588	\$1,658	
Non-energy-intensive manufacturing	\$1,508	\$1,875	\$2,084	\$2,242	\$2,380	\$2,538	\$2,700	
Nonmanufacturing	\$372	\$432	\$476	\$520	\$557	\$594	\$631	
Services	\$2,345	\$2,728	\$3,025	\$3,241	\$3,424	\$3,621	\$3,811	
Total	\$5,309	\$6,286	\$6,943	\$7,447	\$7,877	\$8,341	\$8,800	
Australia and New Zealand		Ψ0,200	Ψ0,5 .5	Ψ2,1.12	Ψ.,σ.,	Ψ0,0 .1	φοισσο	
Energy-intensive manufacturing	\$175	\$187	\$205	\$223	\$241	\$258	\$275	
Non-energy-intensive manufacturing	\$123	\$137	\$150	\$165	\$180	\$194	\$207	
Nonmanufacturing	\$527	\$646	\$739	\$859	\$980	\$1,111	\$1,256	
Services	\$1,801	\$2,142	\$2,487	\$2,843	\$3,190	\$3,535	\$3,892	
Total	\$2,626	\$3,112	\$3,581	\$4,089	\$4,591	\$5,098	\$5,630	
Total OECD	72,020	73,112	73,301	7-,003	77,331	73,030	73,030	•
Energy-intensive manufacturing	\$10,390	\$12,119	\$13,141	\$14,232	\$15,359	\$16,539	\$17,840	
Non-energy-intensive manufacturing	\$16,274		\$13,141	\$25,047		\$30,590	\$33,967	
Nonmanufacturing	\$16,274	\$20,613 \$11,094		\$25,047	\$27,676 \$14,641	\$30,590	\$33,967	
Services	\$9,358		\$12,173 \$89,773	\$13,372	\$14,641	\$15,967		
		\$81,010					\$132,879	
Total	\$103,016	\$124 <i>,</i> 835	\$137 <i>,</i> 736	\$152,011	\$167,325	\$183,744	\$202,109	7

Table A15. Gross output by region and sector, High Economic Growth case

billion 2015 dollars

Region and sector	2020	2025	2030	2035	2040	2045	2050	Average annua percentage change 2020–2050
Energy-intensive manufacturing	\$721	\$891	\$1,010	\$1,142	\$1,275	\$1,403	\$1,517	2.5
Non-energy-intensive manufacturing	\$578	\$746	\$831	\$944	\$1,067	\$1,194	\$1,332	2.8
Nonmanufacturing	\$1,192	\$1,424	\$1,562	\$1,709	\$1,839	\$1,956	\$2,062	1.8
Services	\$3,553	\$4,425	\$4,836	\$5,486	\$6,166	\$6,925	\$7,822	2.7
Total	\$6,044	\$7,486	\$8,239	\$9,282	\$10,347	\$11,478	\$12,732	2.5
Other Europe and Eurasia	. ,	. ,	. ,	. ,	. ,	. ,	. ,	
Energy-intensive manufacturing	\$584	\$702	\$785	\$898	\$1,022	\$1,158	\$1,306	2.7
Non-energy-intensive manufacturing	\$460	\$580	\$636	\$705	\$779	\$860	\$948	2.4
Nonmanufacturing	\$996	\$1,193	\$1,392	\$1,633	\$1,900	\$2,182	\$2,475	3.1
Services	\$2,672	\$3,456	\$4,028	\$4,730	\$5,496	\$6,375	\$7,417	3.5
Total	\$4,712	\$5,931	\$6,841	\$7,966	\$9,198	\$10,576	\$12,146	3.2
China	. ,	1-7	1 - 7 -	, ,	1 - 7	,	. , -	
Energy-intensive manufacturing	\$13,218	\$17,008	\$19,749	\$22,213	\$24,388	\$26,508	\$28,472	2.6
Non-energy-intensive manufacturing	\$23,190	\$31,918	\$38,951	\$46,324	\$53,235	\$60,110	\$66,227	3.6
Nonmanufacturing	\$10,745	\$13,363	\$15,378	\$17,311	\$19,003	\$20,629	\$22,398	2.5
Services	\$29,694	\$43,409	\$57,447	\$73,266	\$90,334	\$109,362	\$128,879	5.0
Total	\$76,846	\$105,698	\$131,525	\$159,114	\$186,960	\$216,608	\$245,976	4.0
India	\$70,0 4 0	7103,030	7131,323	7133,114	7100,500	7210,000	Ş 2 43,370	7.0
Energy-intensive manufacturing	\$3,317	\$5,262	\$8,028	\$11,336	\$15,138	\$19,557	\$24,660	6.9
Non-energy-intensive manufacturing	\$2,531	\$4,442	\$6,862	\$9,709	\$13,138	\$17,321	\$22,494	7.6
Nonmanufacturing	\$3,801	\$5,770	\$7,391	\$9,570	\$12,435	\$15,774	\$19,644	5.6
Services	\$6,641	\$10,041	\$15,379	\$21,532	\$28,362	\$36,351	\$45,616	6.6
Total	\$16,290	\$25,516	\$37,660	\$52,147	\$69,073	\$89,003	\$112,415	6.7
Other Asia	¥=5,=55	Ψ=0,0=0	ψο,,οοο	Ψ,	φου,στο	φου,σου	¥===,:==	•
Energy-intensive manufacturing	\$3,226	\$4,237	\$5,312	\$6,671	\$8,258	\$10,026	\$11,989	4.5
Non-energy-intensive manufacturing	\$6,063	\$8,183	\$10,179	\$12,507	\$15,017	\$17,682	\$20,535	4.2
Nonmanufacturing	\$4,109	\$5,372	\$6,889	\$8,724	\$10,927	\$13,452	\$16,288	4.7
Services	\$11,758	\$16,008	\$20,829	\$26,336	\$32,698	\$39,889	\$47,800	4.8
Total	\$25,156	\$33,799	\$43,209	\$54,239	\$66,900	\$81,049	\$96,612	4.6
Middle East	Ų20,100	Ψ00,700	ψ .5,265	Ψ5 1,205	400,500	Ψ02,013	450,011	
Energy-intensive manufacturing	\$1,392	\$1,756	\$1,995	\$2,236	\$2,457	\$2,656	\$2,827	2.4
Non-energy-intensive manufacturing	\$383	\$519	\$611	\$701	\$785	\$862	\$932	3.0
Nonmanufacturing	\$2,435	\$2,825	\$3,113	\$3,392	\$3,674	\$3,966	\$4,257	1.9
Services	\$4,545	\$5,989	\$7,279	\$8,755	\$10,327	\$12,079	\$13,790	3.8
Total	\$8,755	\$11,089	\$12,999	\$15,083	\$17,244	\$19,564	\$21,806	3.1
Africa	ψο,,,,,	711,003	Ψ12,333	713,003	Ψ±7,E-1-1	Ψ13,30 -1	721,000	3.3
Energy-intensive manufacturing	\$1,256	\$1,561	\$1,957	\$2,456	\$3,067	\$3,769	\$4,546	4.4
Non-energy-intensive manufacturing	\$921	\$1,200	\$1,507	\$1,886	\$2,342	\$2,856	\$3,391	4.4
Nonmanufacturing	\$3,114	\$3,655	\$4,339	\$5,100	\$5,979	\$6,950	\$7,972	3.2
Services	\$6,095	\$7,549	\$9,393	\$11,636	\$14,393	\$17,550	\$21,191	4.2
Total	\$11,386	\$13,965	\$17,197	\$21,078	\$25,782	\$31,125	\$37,100	4.0
Brazil	Ψ11,300	713,303	Ψ17,137	Ψ 21,07 0	723,702	731,123	757,100	7.0
Energy-intensive manufacturing	\$777	\$945	\$1,093	\$1,225	\$1,331	\$1,418	\$1,496	2.2
Non-energy-intensive manufacturing	\$481	\$662	\$765	\$861	\$944	\$1,020	\$1,096	2.8
Nonmanufacturing	\$668	\$805	\$914	\$1,034	\$1,157	\$1,020	\$1,419	2.5
Services	\$2,997	\$3,545	\$4,060	\$4,576	\$5,029	\$5,439	\$5,830	2.2
Total	\$2,997 \$4,922	\$5,9 57	\$6,832	\$ 7,696	\$8,461	\$3,439 \$9,162	\$3,830 \$9,842	2.2
Other Non-OECD Americas	, 74∠	155,551	70,032	77,030	70,401	J3,102	<i>⊋∋,</i> 04∠	2.3
	¢440	ĊE40	¢£20	¢712	¢700	ÇOEO	¢024	2.5
Energy-intensive manufacturing	\$449	\$540 \$607	\$638 \$715	\$712	\$788	\$863	\$934	2.5
								2.5
Non-energy-intensive manufacturing Nonmanufacturing	\$473 \$677	\$607 \$827	\$715 \$956	\$818 \$1,070	\$930 \$1,190	\$1,048 \$1,311	\$1,178 \$1,436	

Release date: October 2021

Table A15. Gross output by region and sector, High Economic Growth case

billion 2015 dollars

Region and sector	2020	2025	2030	2035	2040	2045	2050	percentage change, 2020–2050
Services	\$2,295	\$2,960	\$3,650	\$4,367	\$5,206	\$6,155	\$7,187	3.9
Total	\$3,895	\$4,935	\$5,959	\$6,967	\$8,114	\$9,378	\$10,735	3.4
Total Non-OECD								
Energy-intensive manufacturing	\$24,939	\$32,903	\$40,568	\$48,889	\$57,725	\$67,358	\$77,748	3.9
Non-energy-intensive manufacturing	\$35,080	\$48,857	\$61,058	\$74,454	\$88,237	\$102,952	\$118,132	4.1
Nonmanufacturing	\$27,736	\$35,234	\$41,933	\$49,543	\$58,104	\$67,507	\$77,951	3.5
Services	\$70,250	\$97,382	\$126,901	\$160,685	\$198,013	\$240,126	\$285,533	4.8
Total	\$158,006	\$214,376	\$270,461	\$333,571	\$402,079	\$477,943	\$559,364	4.3
World								
Energy-intensive manufacturing	\$35,329	\$45,022	\$53,708	\$63,121	\$73,084	\$83,896	\$95,587	3.4
Non-energy-intensive manufacturing	\$51,354	\$69,470	\$83,708	\$99,501	\$115,914	\$133,543	\$152,099	3.7
Nonmanufacturing	\$37,094	\$46,328	\$54,106	\$62,915	\$72,745	\$83,474	\$95,374	3.2
Services	\$137,244	\$178,392	\$216,674	\$260,044	\$307,662	\$360,775	\$418,412	3.8
Total	\$261,021	\$339,211	\$408,197	\$485,582	\$569,404	\$661,687	\$761,473	3.6

Sources: Table by the U.S. Energy Information Administration (EIA), based on Oxford Global Industry Model, (March 2021), www.oxfordeconomics.com (subscription site); EIA, World Energy Projection System (2021), run hm_210719.163753; and EIA, Annual Energy Outlook 2021, (February 2021), www.eia.gov/aeo Notes:

^{*} Totals may not equal sum of components due to independent rounding.

^{*} Gross output is sales or revenue, including final and intermediate goods and services, measured in purchasing power parity (PPP).