

日本のLPガス統計

February 2013

Statistical Data in Japan

日本LPガス協会

LPガス
人と地球にスマイルを

① 供給の推移

Trends in LP Gas Supply Patterns

1

② 部門別需要の推移

Trends in LP Gas Demand Components

2

③ 形態別需要の推移

Consumption Trends by Each Category

A 家庭業務用消費量

Residential and Commercial Use

3A

B 自動車用消費量

Autogas Use by Vehicle Type

3B

C 都市ガス用原料別消費量

Town Gas Use by the Source of Feeds

3C

④ 民生部門エネルギー需要

Residential & Commercial Energy Demand by Energy Sources

4

⑤ 日本の輸入相手国

LP Gas Imports by Country

5

⑥ 輸入エネルギー価格のトレンド

Price Trends of the Imported Energy

6

⑦ 世界の地域別生産消費

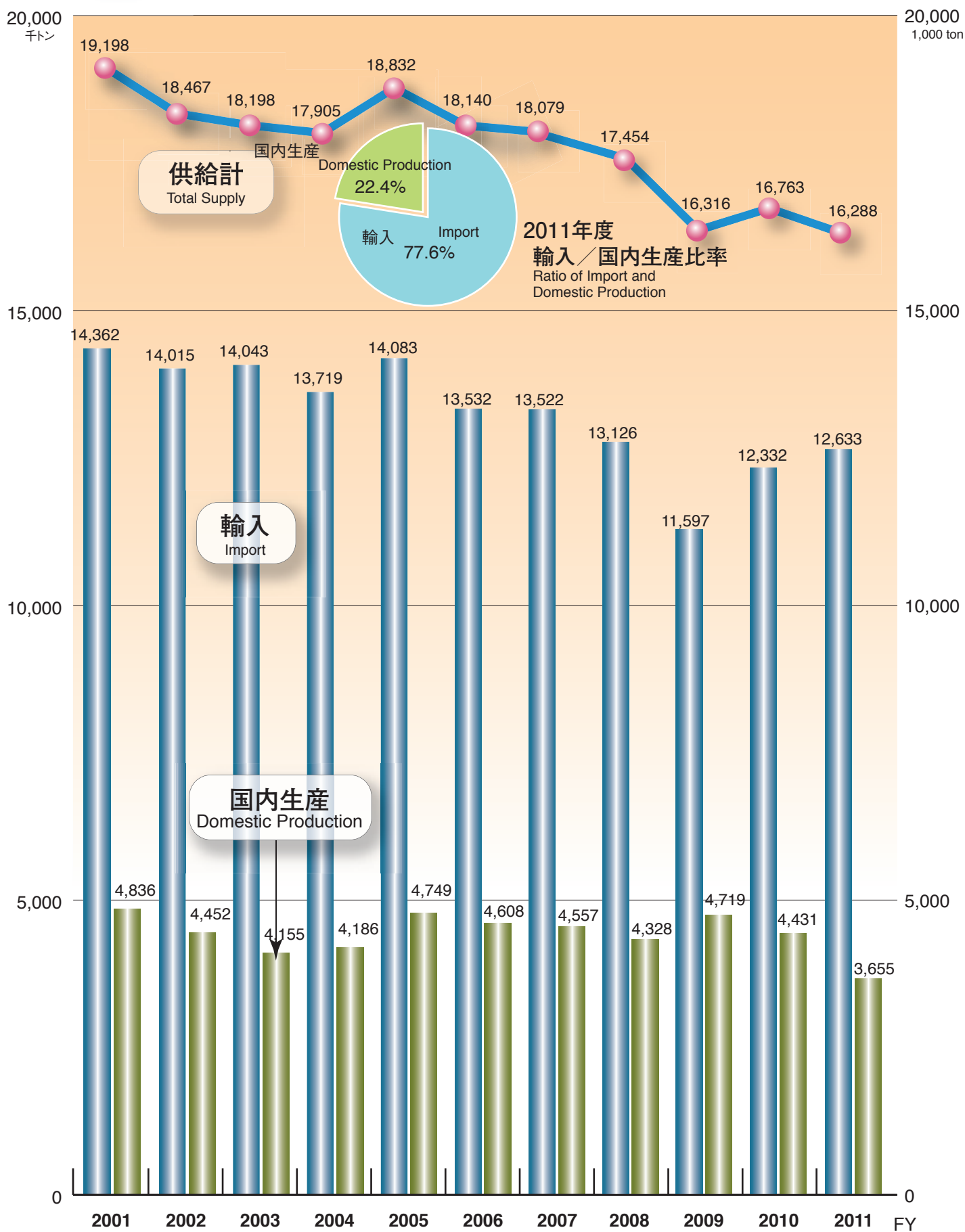
World LP Gas Production and Consumption

7

1

供給の推移

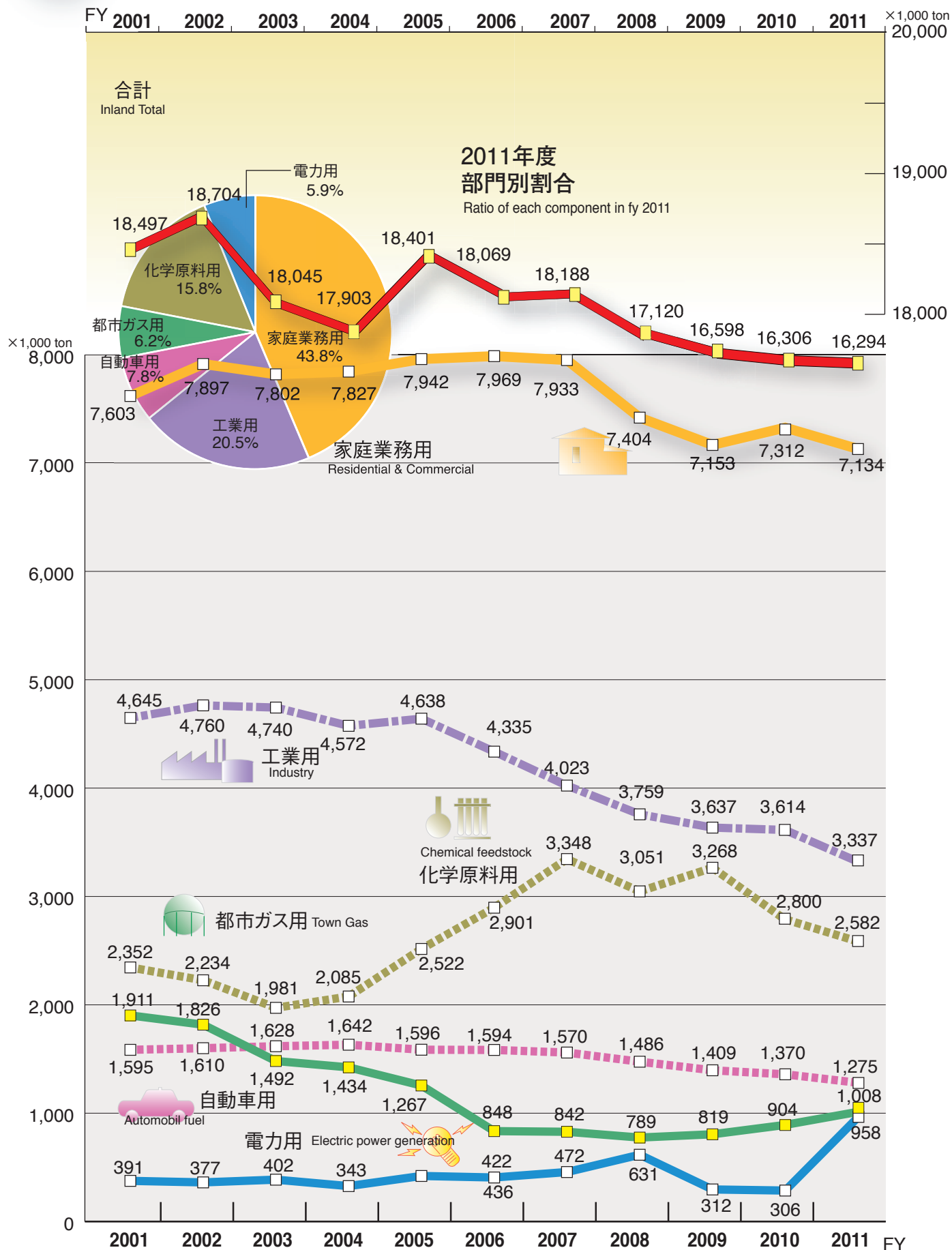
Trends in LP Gas Supply Patterns



2

部門別需要の推移

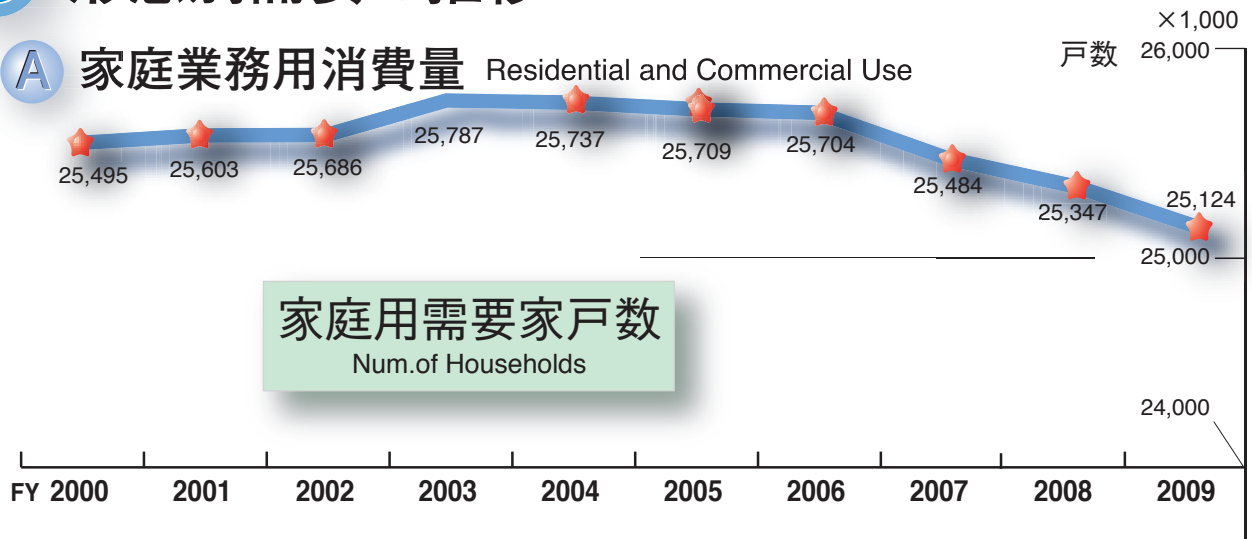
Trends in LP Gas Demand Components



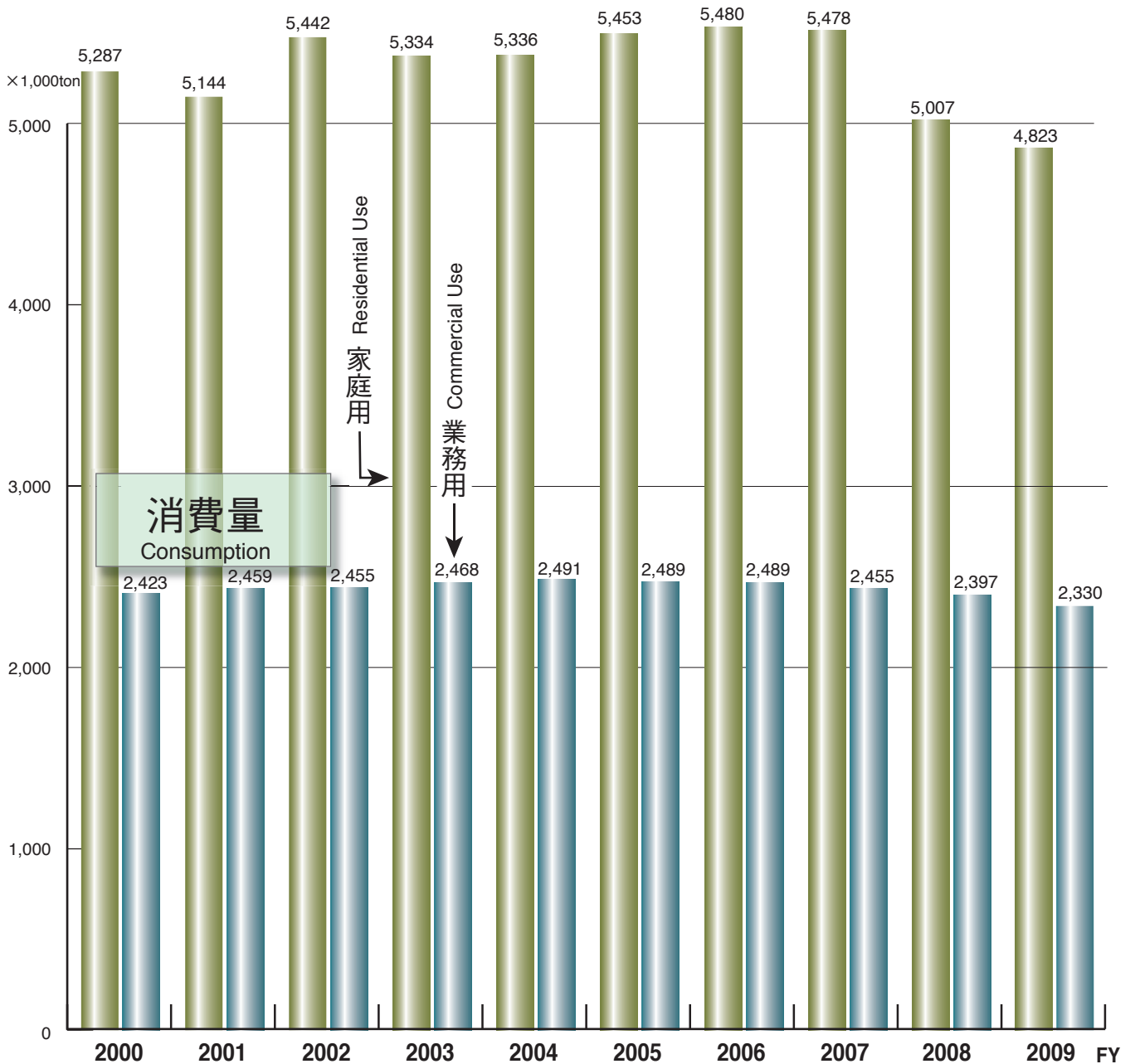
3 形態別需要の推移

Consumption Trends by Each Category

A 家庭業務用消費量 Residential and Commercial Use



家庭用需要家戸数
Num. of Households



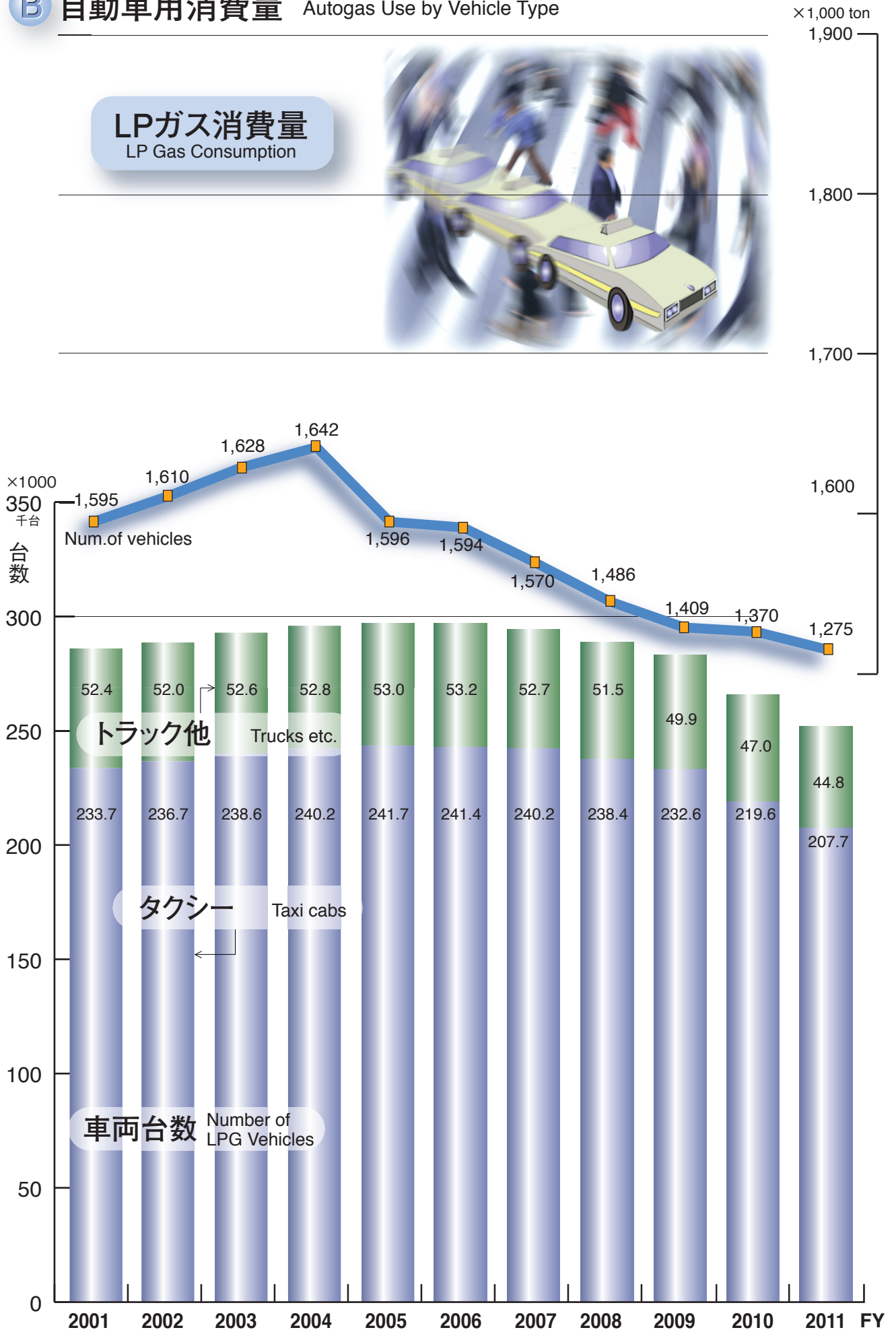
消費量
Consumption

家庭用
Residential Use

業務用
Commercial Use

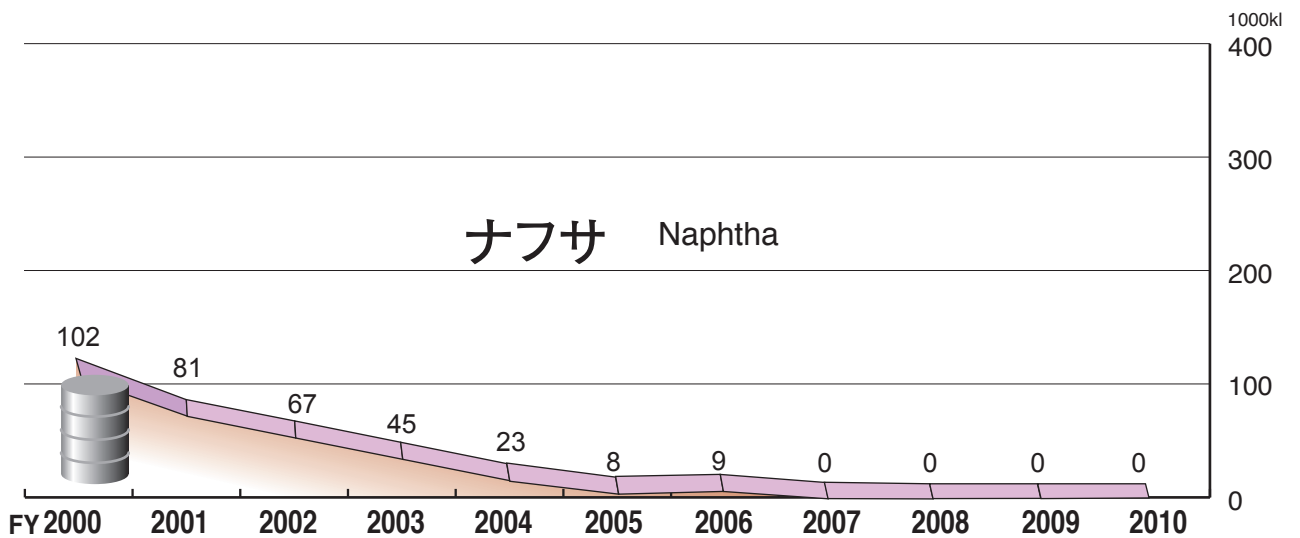
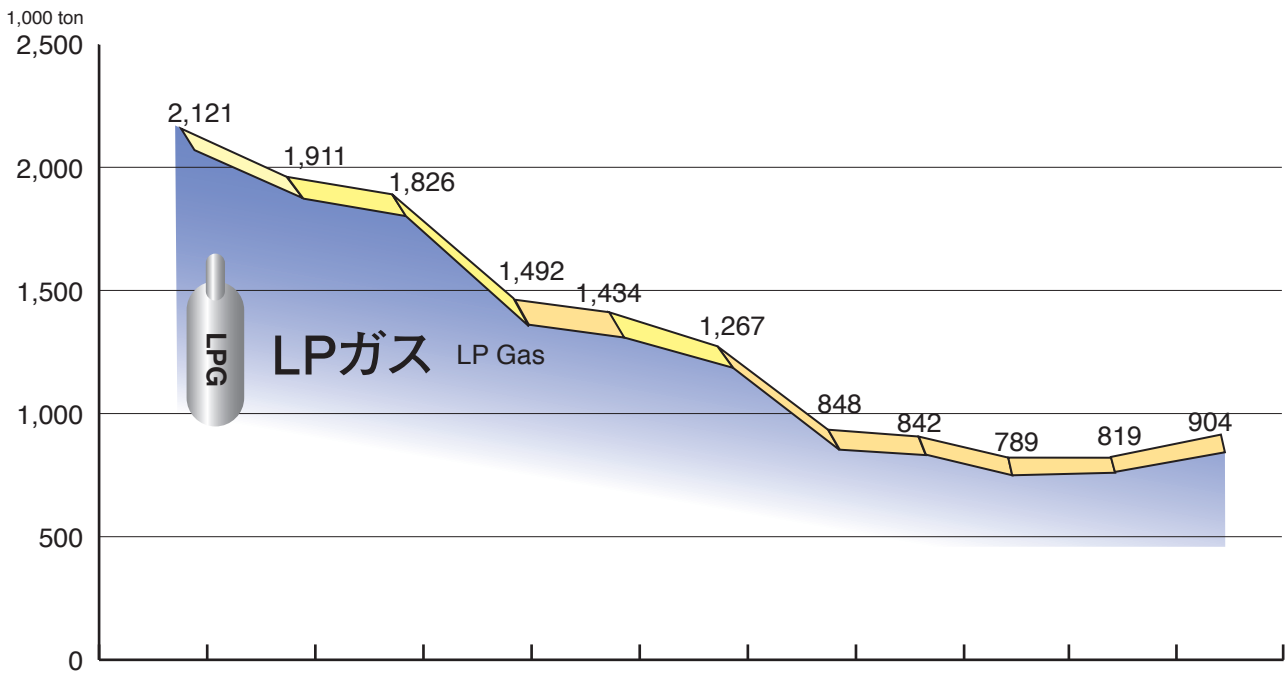
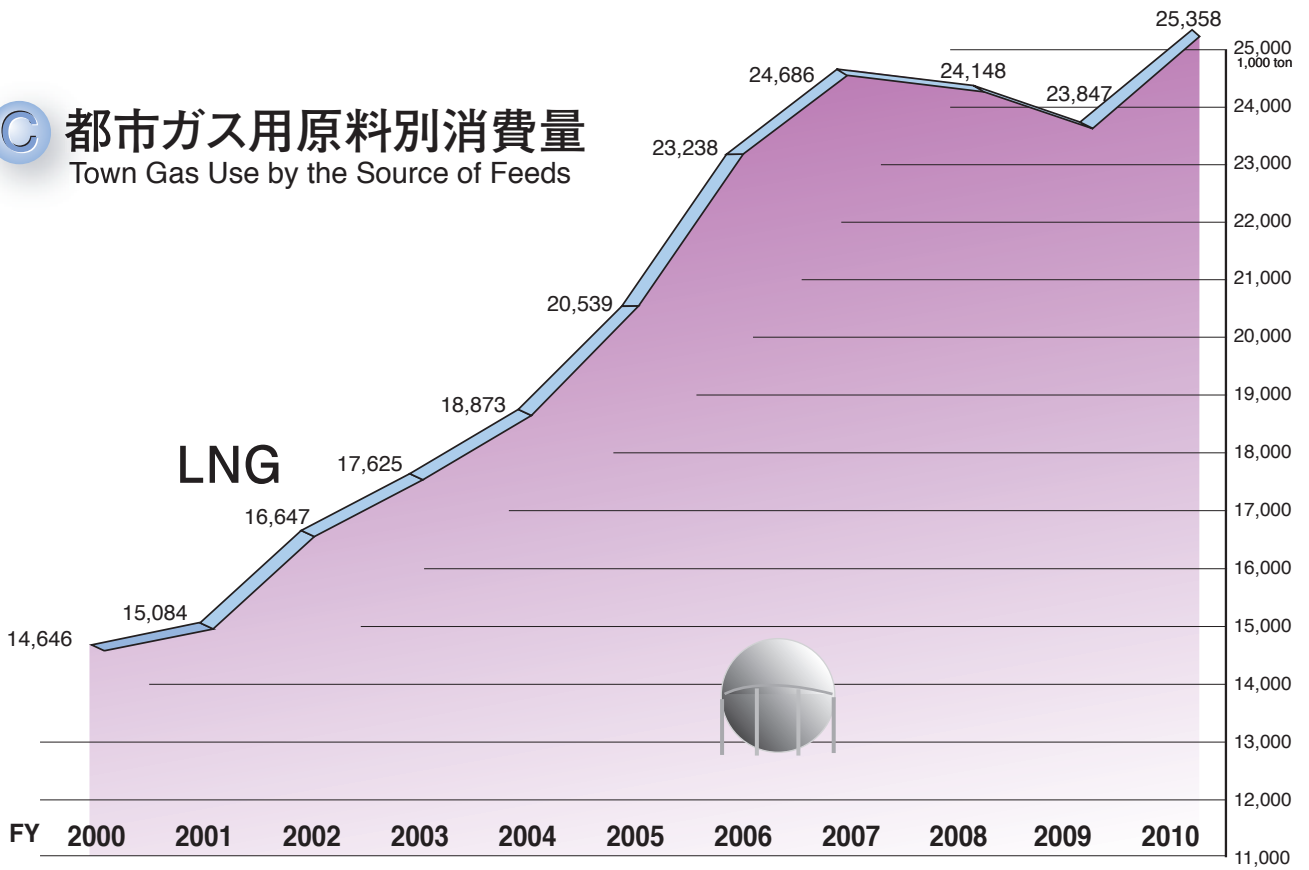
B 自動車用消費量 Autogas Use by Vehicle Type

LPガス消費量 LP Gas Consumption



都市ガス用原料別消費量

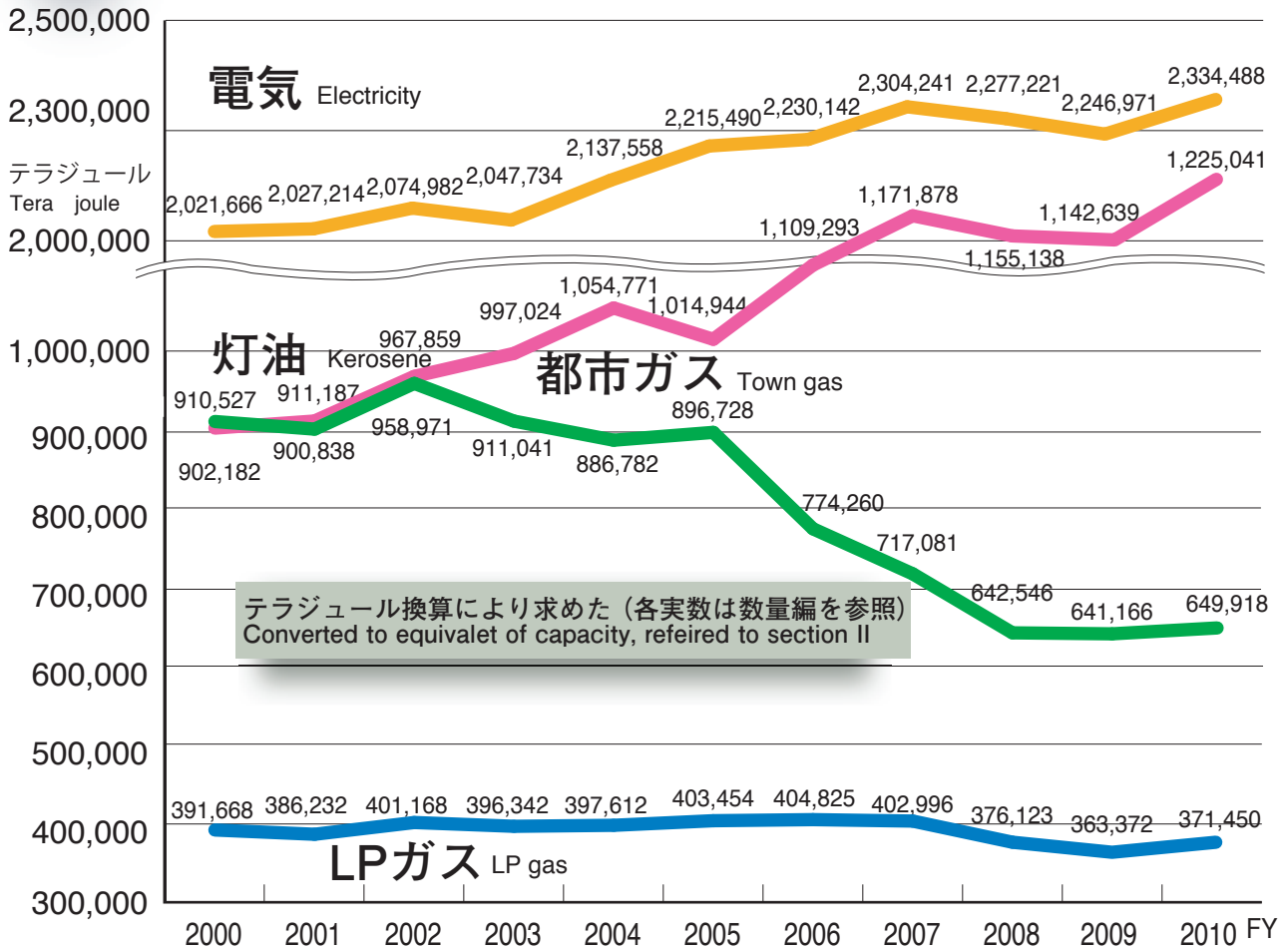
Town Gas Use by the Source of Feeds



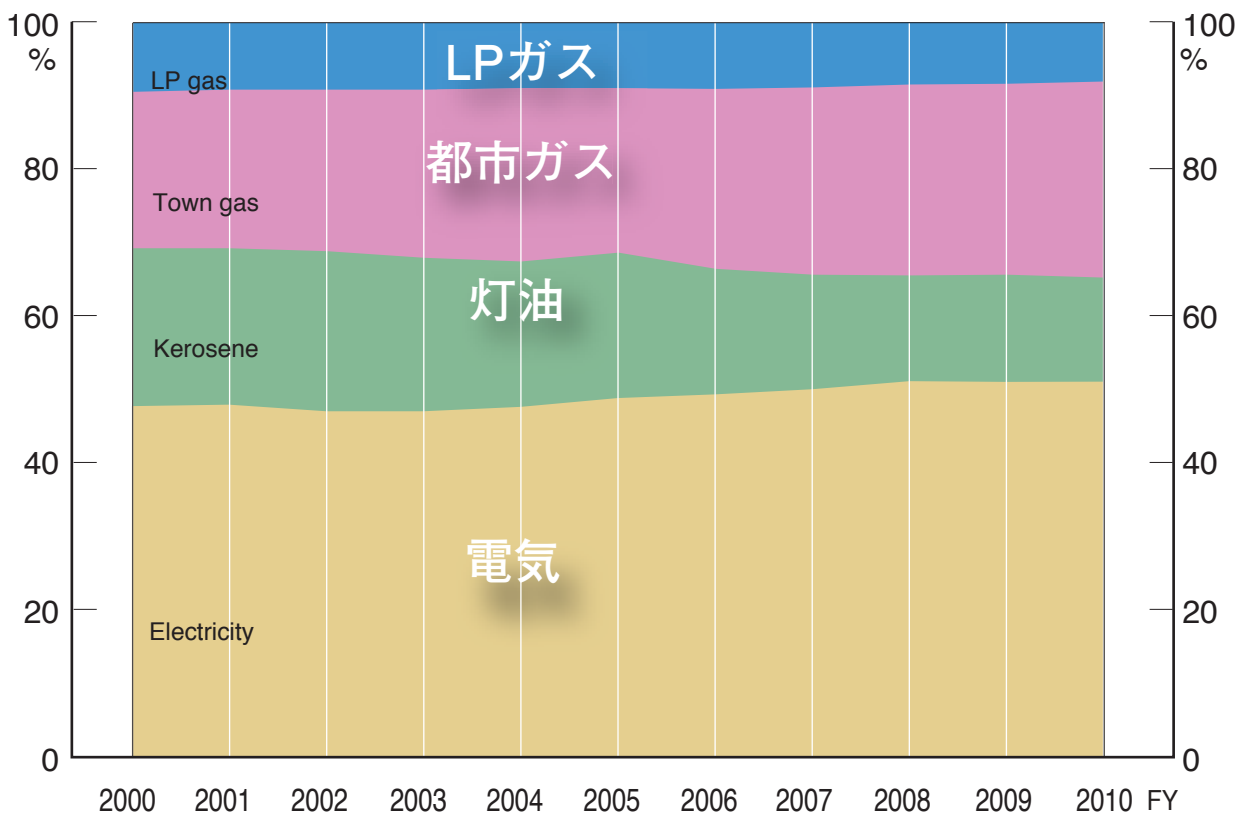
4

民生部門エネルギー需要

Residential & Commercial Energy Demand by Energy Sources



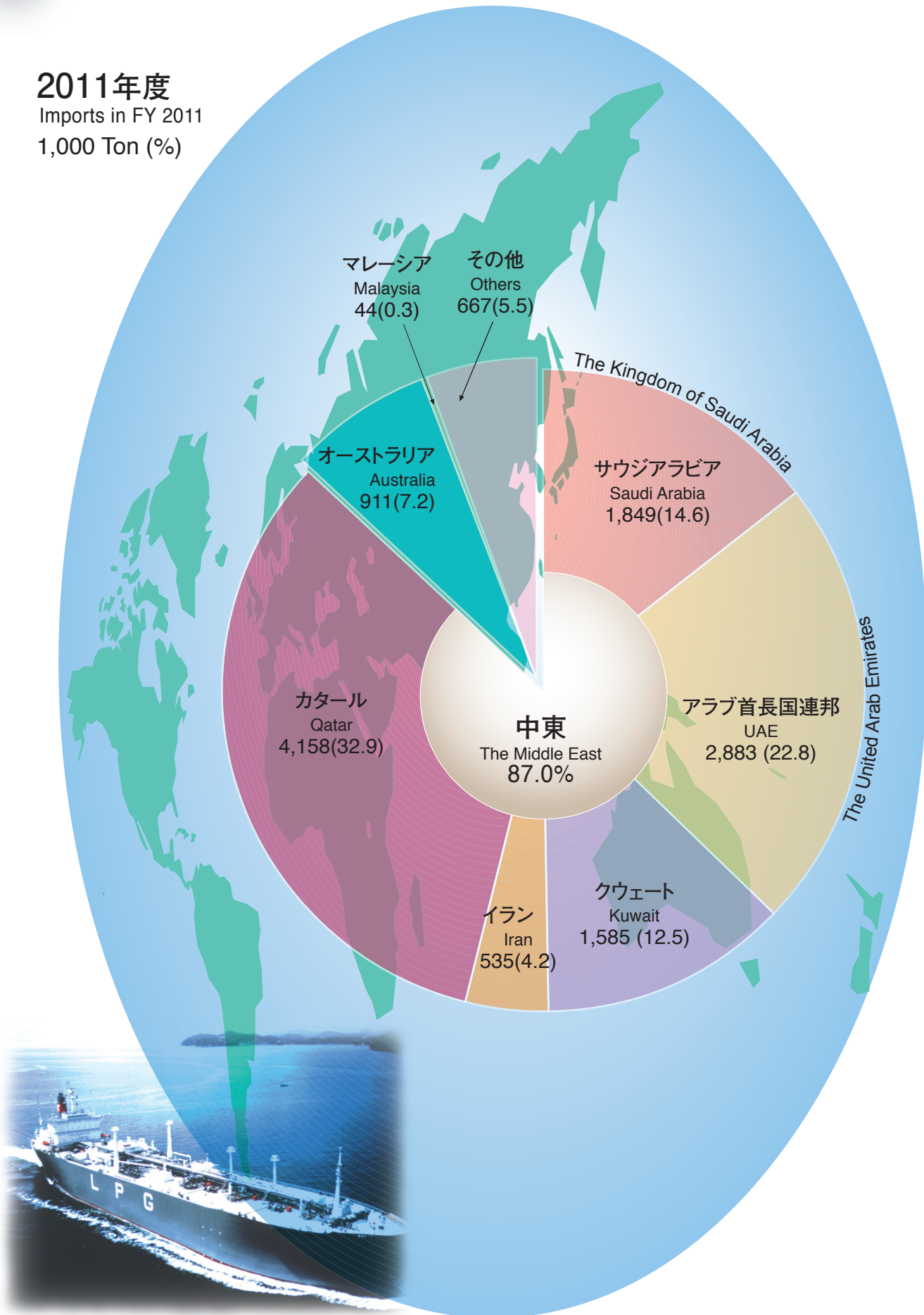
構成比の推移 Ratio of each component



5 日本の輸入相手国

LP Gas Imports by Country

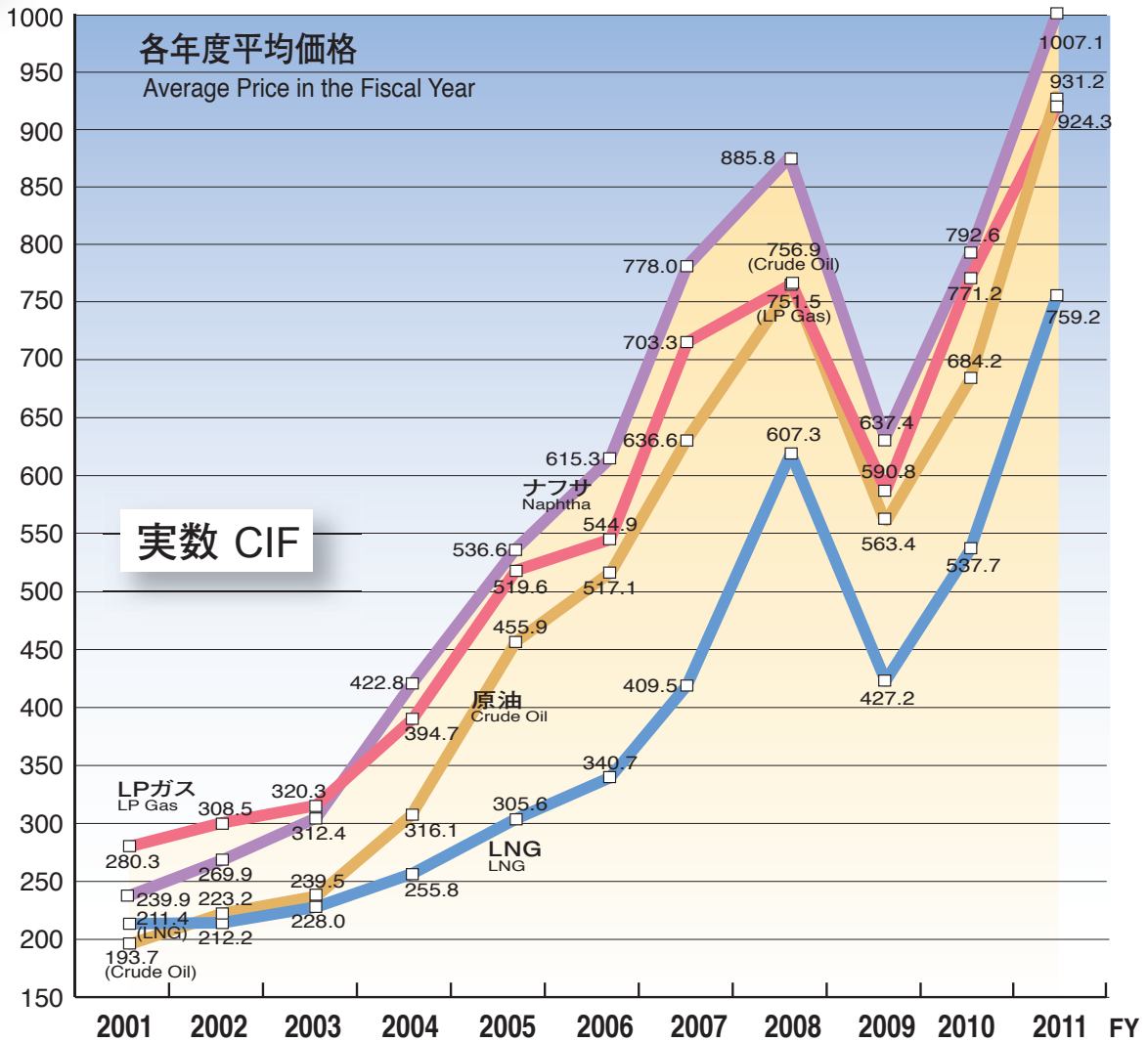
2011年度
Imports in FY 2011
1,000 Ton (%)



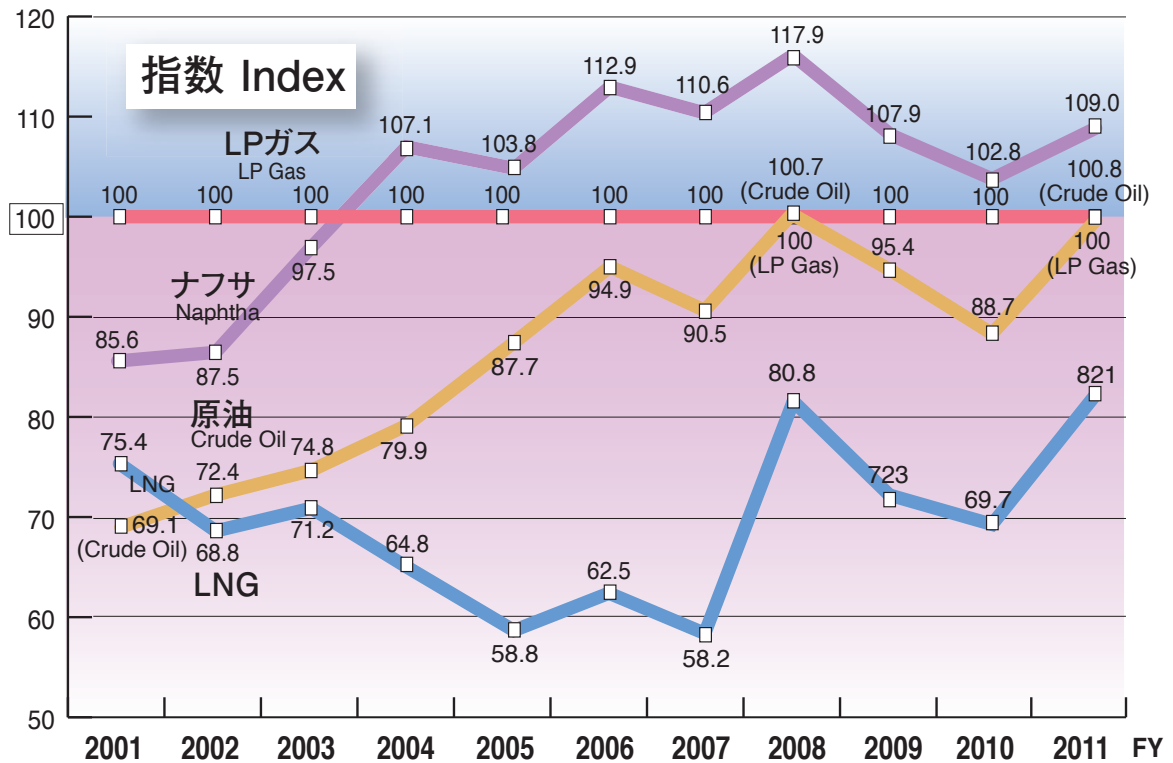
6 輸入エネルギー価格のトレンド

Price Trends of the Imported Energy

LPG換算 CIF \$/ton



INDEX: LPG=100

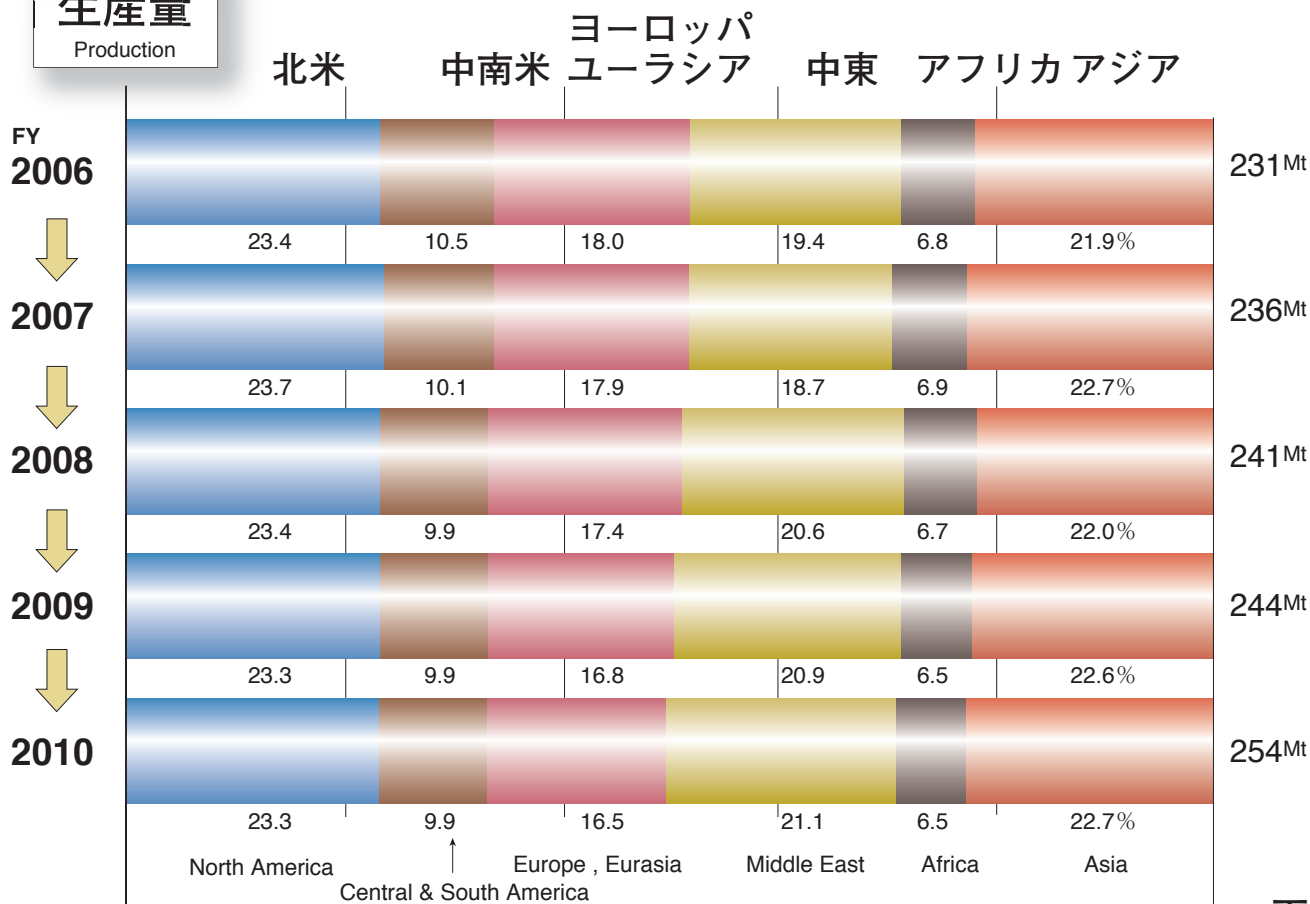




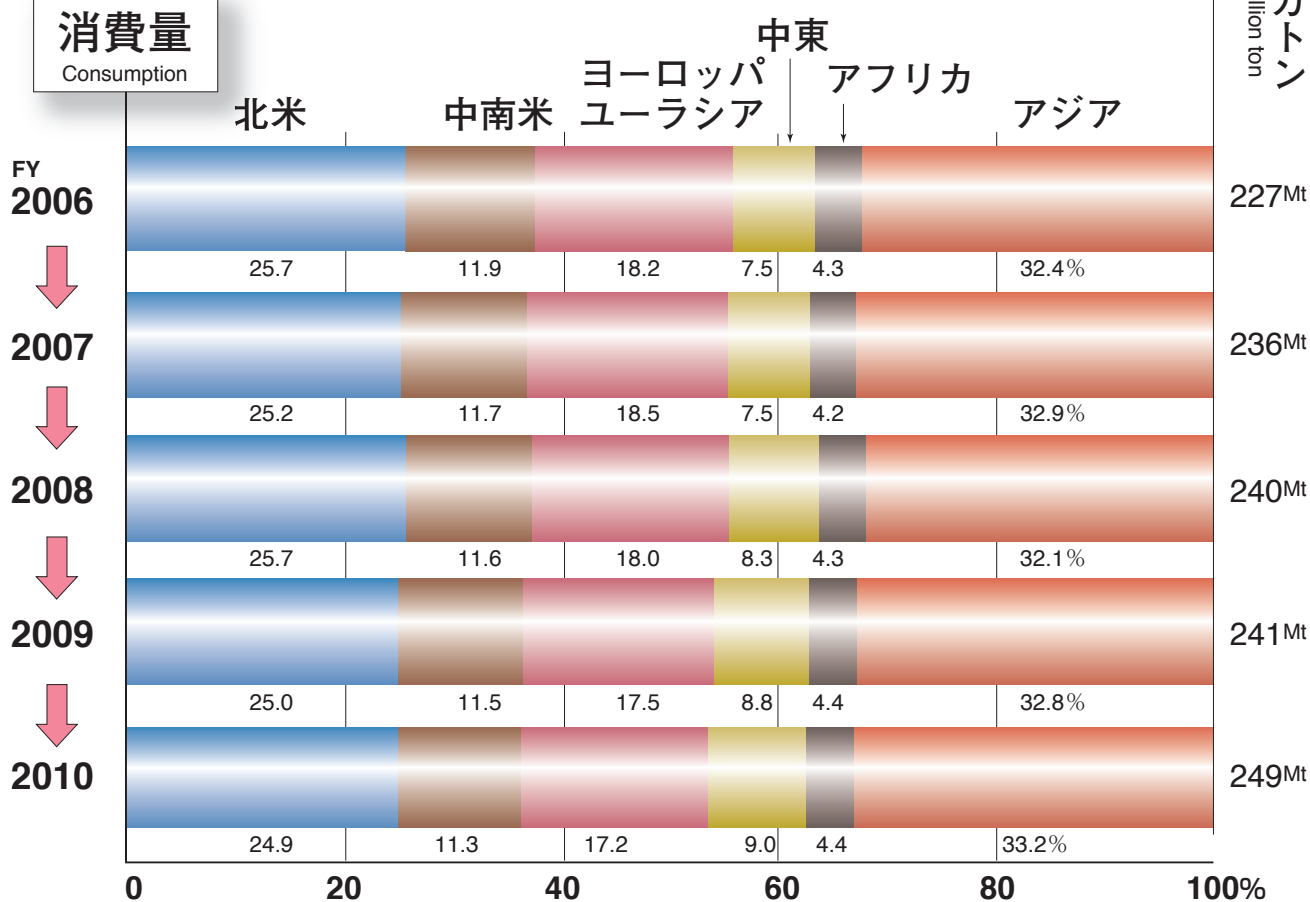
世界の地域別生産消費

World LP Gas Production and Consumption

生産量 Production



消費量 Consumption



① 供給の推移

1. Trends in LP Gas Supply Patterns

単位:千トン 年度 1,000 ton in FY	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
国内生産 Domestic Production	4,836	4,452	4,155	4,186	4,749	4,608	4,557	4,328	4,719	4,431	3,655
輸入 Import	14,362	14,015	14,043	13,719	14,083	13,532	13,522	13,126	11,597	12,332	12,633
合計 Total Supply	19,198	18,467	18,198	17,905	18,832	18,140	18,079	17,454	16,316	16,763	16,288

(注)天然ガスからの生産を含む
Including LP gas from Natural gas plants

② 部門別需要の推移

2. Trends in LP Gas Demand Components

×1,000 ton in FY	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
家庭業務用 Residential & Commercial	7,603	7,897	7,802	7,827	7,942	7,969	7,933	7,404	7,153	7,312	7,134
工業用 Industry	4,645	4,760	4,740	4,572	4,599	4,335	4,023	3,759	3,637	3,614	3,337
自動車用 Automobile fuel	1,595	1,610	1,628	1,642	1,626	1,594	1,570	1,486	1,409	1,370	1,275
都市ガス用 Town Gas	1,911	1,826	1,492	1,434	1,296	848	842	789	819	904	1,008
化学原料用 Chemical feedstock	2,352	2,234	1,981	2,085	2,502	2,901	3,348	3,051	3,268	2,800	2,582
電力用 Electric power generation	391	377	402	343	436	422	472	631	312	306	958
国内需要計 Inland Total	18,497	18,704	18,045	17,903	18,401	18,069	18,188	17,120	16,598	16,306	16,294
輸出 Export	77	30	5	1	4	103	120	141	199	160	60
需要合計 Total Demand	18,574	18,734	18,050	17,904	18,405	18,172	18,308	17,261	16,797	16,466	16,354

③ 形態別需要の推移

3. Consumption Trends by Each Category

A 家庭業務用消費量

A. Residential and Commercial Use

in FY	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
家庭用消費量 Residential Consumption	5,144	5,442	5,334	5,336	5,453	5,480	5,478	5,007	4,823	5,077	
業務用消費量 Commercial Consumption	2,459	2,455	2,468	2,491	2,489	2,489	2,455	2,397	2,330	2,235	
家庭業務合計 Total Consumption (1,000 ton)	7,603	7,897	7,802	7,827	7,942	7,969	7,933	7,404	7,153	7,312	7,134
家庭用需要家戸数 Num. of Households (x1,000)	25,603	25,686	25,787	25,737	25,709	25,704	25,484	25,347	25,124		

B 自動車用消費量

B. Autogas Use by Vehicle Type

年度 in FY	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
タクシー・ハイヤー 台数 Num. of Taxi cabs (x1,000)	233.7	236.7	238.6	240.2	241.7	241.4	240.2	238.4	232.6	219.6	207.7
LPガス消費量 LP gas Consumption (1,000 ton)	1,446	1,453	1,434	1,360	1,324	1,306	1,266	1,214	1,176	1,109	
トラック他 台数 Num. of Trucks etc. (x1,000)	52.4	52.0	52.6	52.8	53.0	53.2	52.7	51.5	49.9	47.0	44.8
LPガス消費量 LP gas Consumption (1,000 ton)	149	157	194	282	302	288	304	272	233	261	
合計 台数 Total Vehicles (x1,000)	286.1	288.7	291.2	293.0	294.7	294.7	292.9	289.9	282.5	266.6	252.5
LPガス消費量 Total LPG Consumption (1,000 ton)	1,595	1,610	1,628	1,642	1,626	1,594	1,570	1,486	1,409	1,370	1,275

C 都市ガス用原料別消費量

C. Town Gas Use by the Source of Feeds

FY	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
LPガス LP Gas 1,000 ton	2,121	1,911	1,826	1,492	1,434	1,296	848	842	789	819	904
天然ガス LNG 1,000 ton	14,646	15,084	16,647	17,625	18,873	20,539	23,238	24,686	24,148	23,847	25,358
石炭・コークス Coal / Cokes 1,000 ton	—	—	—	—	—	—	—	—	—	—	—
ナフサ Naphtha 1,000 kl	102	81	67	45	23	8	9	—	—	—	—

4 民生用エネルギー需要

4. Residential & Commercial Energy Demand by Energy Sources

FY	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
電気 % Electricity Million kwh	47.8	48.0	47.1	47.1	47.7	48.9	49.4	50.1	51.2	51.1	51.0
灯油 % Kerosene 1,000kl	21.5	21.3	21.8	20.9	19.8	19.8	17.1	15.6	14.4	14.6	14.2
都市ガス % Town Gas Million m ³	21.3	21.6	22.0	22.9	23.6	22.4	24.5	25.5	26.0	26.0	26.7
LPガス % LP Gas 1,000ton	9.3	9.1	9.1	9.1	8.9	8.9	9.0	8.8	8.5	8.3	8.1

【出所】 Sources
 電気 Electricity : 経済産業省「総合エネルギー統計」 Energy balance in Japan, METI
 灯油 Kerosene : 経済産業省「総合エネルギー統計」 Energy balance in Japan, METI
 都市ガス Town Gas : 経済産業省「総合エネルギー統計」 Energy balance in Japan, METI
 LPガス LP Gas : 経済産業省「石油製品需要」 Petroleum Supply Plan, METI

(注) %は熱量(J)比より算出

5 日本の輸入相手国

5. LP Gas Imports by Country

2011年度輸入量	FY2010	千トン	%	
サウジアラビア		1,849	14.6	The Kingdom of Saudi Arabia
アラブ首長国連邦		2,883	22.8	The United Arab Emirates
クウェート		1,585	12.5	Kuwait
カタール		4,158	32.9	Qatar
イラン		535	4.2	Iran
中東 合計		11,010	87.0	Total in the Middle East
オーストラリア		911	7.2	Australia
マレーシア		44	0.3	Malaysia
その他		667	5.5	Others
総計		12,632	100	Grand Total

1,000 ton

6 輸入エネルギー価格のトレンド

6. Price Trends of the Imported Energies

\$/ ton	FY 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
LPガス LP Gas	280.3 (100)	308.5 (100)	320.3 (100)	394.7 (100)	519.6 (100)	544.9 (100)	703.3 (100)	751.5 (100)	590.8 (100)	771.2 (100)	924.3 (100)
ナフサ Naphtha	239.9 (85.6)	269.9 (87.5)	312.4 (97.5)	422.8 (107.1)	536.6 (103.3)	615.3 (112.9)	778.0 (110.6)	885.8 (117.9)	637.4 (107.9)	792.6 (102.8)	1007.1 (109.0)
原油 Crude Oil	193.7 (69.1)	223.2 (72.4)	239.5 (74.8)	316.1 (80.0)	455.9 (87.7)	517.1 (94.9)	636.6 (90.5)	756.9 (100.7)	563.4 (95.4)	684.2 (88.7)	931.2 (100.8)
LNG LNG	211.4 (75.4)	212.2 (68.8)	228.0 (71.2)	255.8 (79.9)	305.6 (58.8)	340.7 (62.5)	409.5 (58.2)	607.3 (80.8)	427.2 (72.3)	537.7 (69.7)	759.2 (82.1)

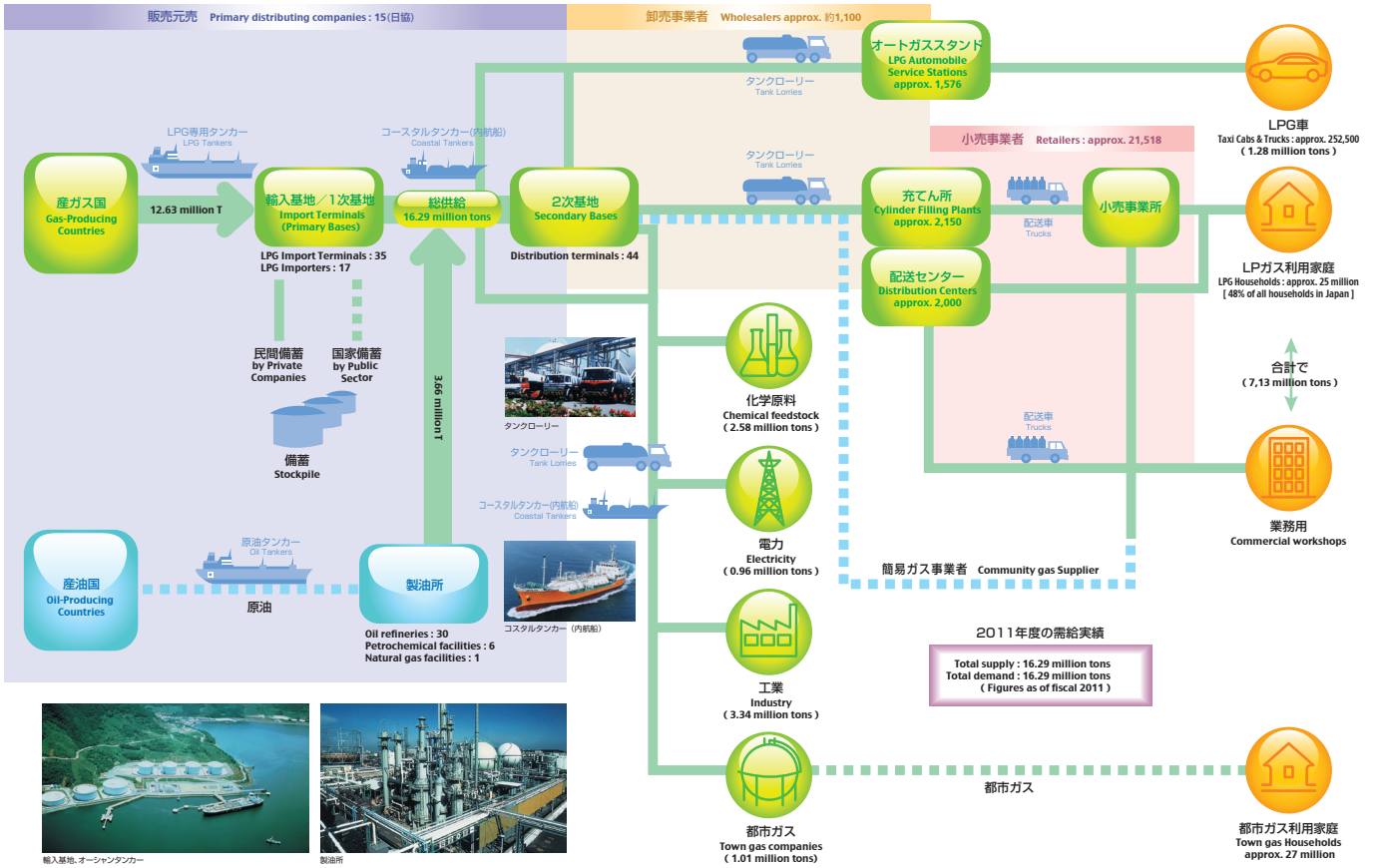
各年度平均、LPG 熱量換算\$/トン、()内はLPガスを100とした指数
Converted to the equivalent of LP Gas heat capacity, (Index; LPG=100)

7 世界の地域別生産と消費

1,000ton

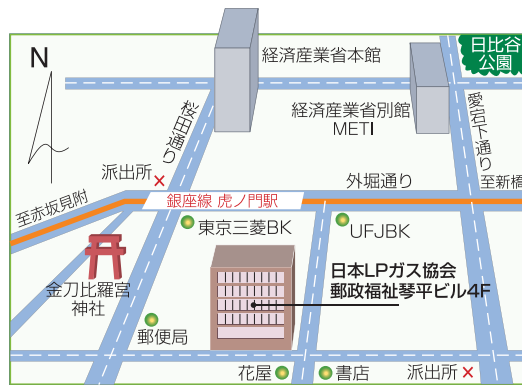
7. World LP Gas Production and Consumption

Production	生産量						消費量						Consumption
	2005	2006	2007	2008	2009	2010	2005	2006	2007	2008	2009	2010	
北米	53,678	54,210	55,842	56,412	56,771	59,248	56,924	58,387	59,624	61,772	60,175	61,915	North America
中南米	24,734	24,249	23,913	23,917	24,142	25,063	26,607	27,142	27,536	27,985	27,763	28,135	Central /South America
ヨーロッパ ユーラシア	41,959	41,578	42,195	41,962	40,955	41,869	41,617	41,319	43,752	43,219	42,015	42,799	Europe , Eurasia
中東	39,692	44,974	44,128	49,484	50,821	53,648	14,203	16,978	17,624	19,937	21,156	22,359	Middle East
アフリカ	15,599	15,738	16,383	16,058	15,948	16,460	9,320	9,680	10,016	10,325	10,513	10,863	Africa
アジア太平洋	48,213	50,722	53,645	52,915	54,973	57,553	71,596	73,629	77,673	77,030	79,094	82,761	Asia
世界計	223,875	231,471	236,106	240,748	243,612	253,841	220,267	227,135	236,225	240,268	240,716	248,832	World Total



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