

# 日本のLPガス統計

February 2015

*Statistical Data in Japan*

日本LPガス協会

**LPガス**  
人と地球にスマイルを

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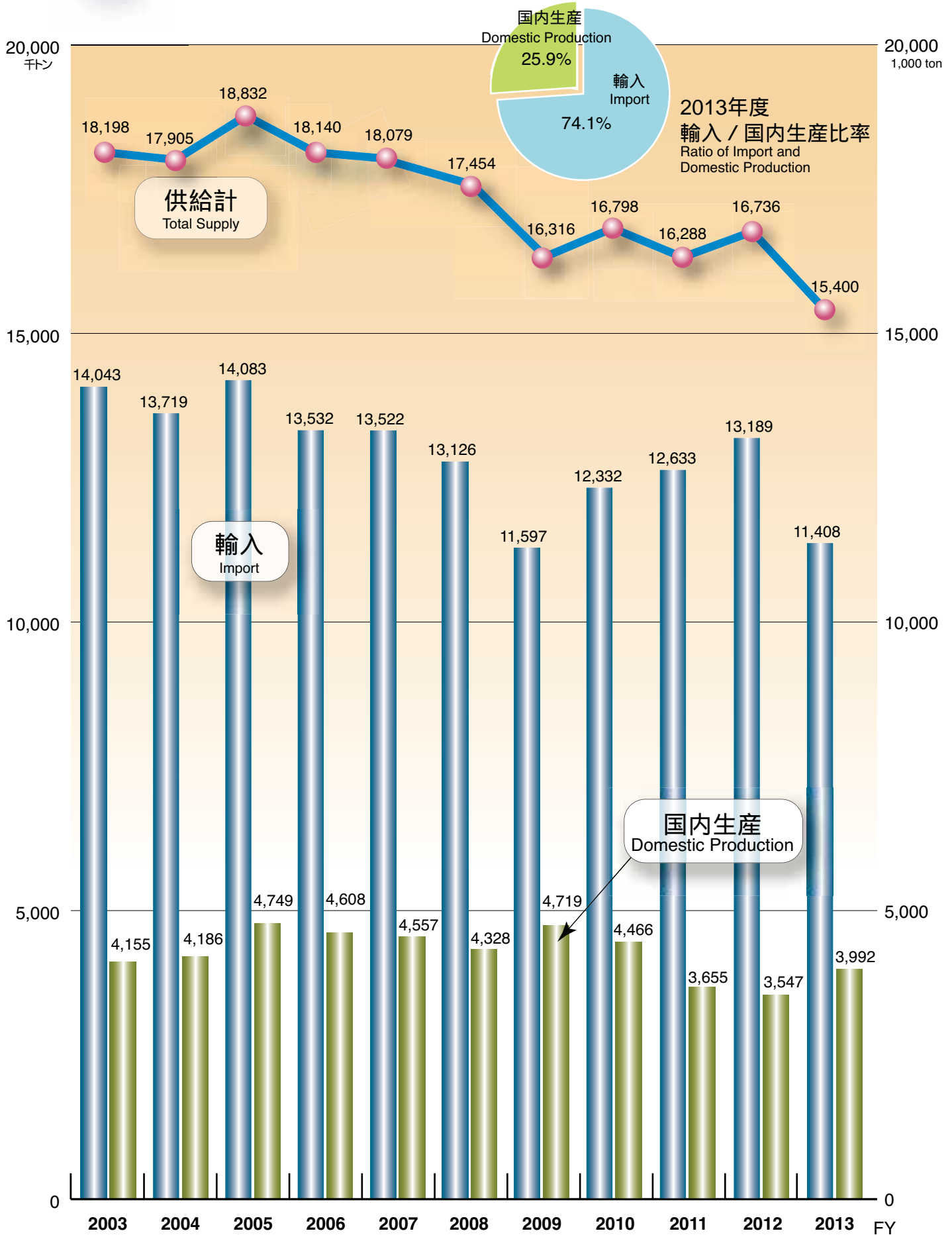
World LP Gas Production and Consumption

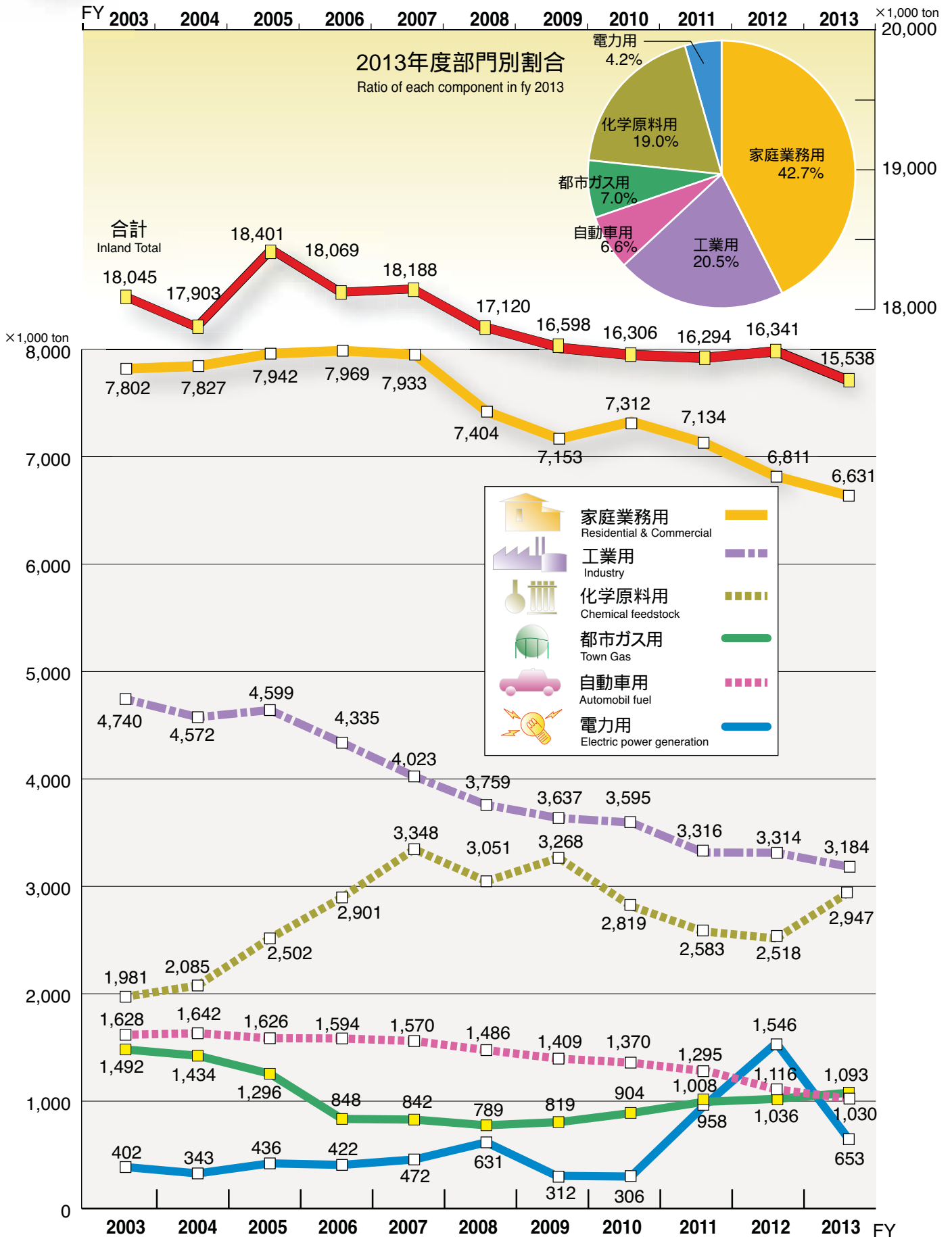
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# 1

## 供給の推移

Trends in LP Gas Supply Patterns

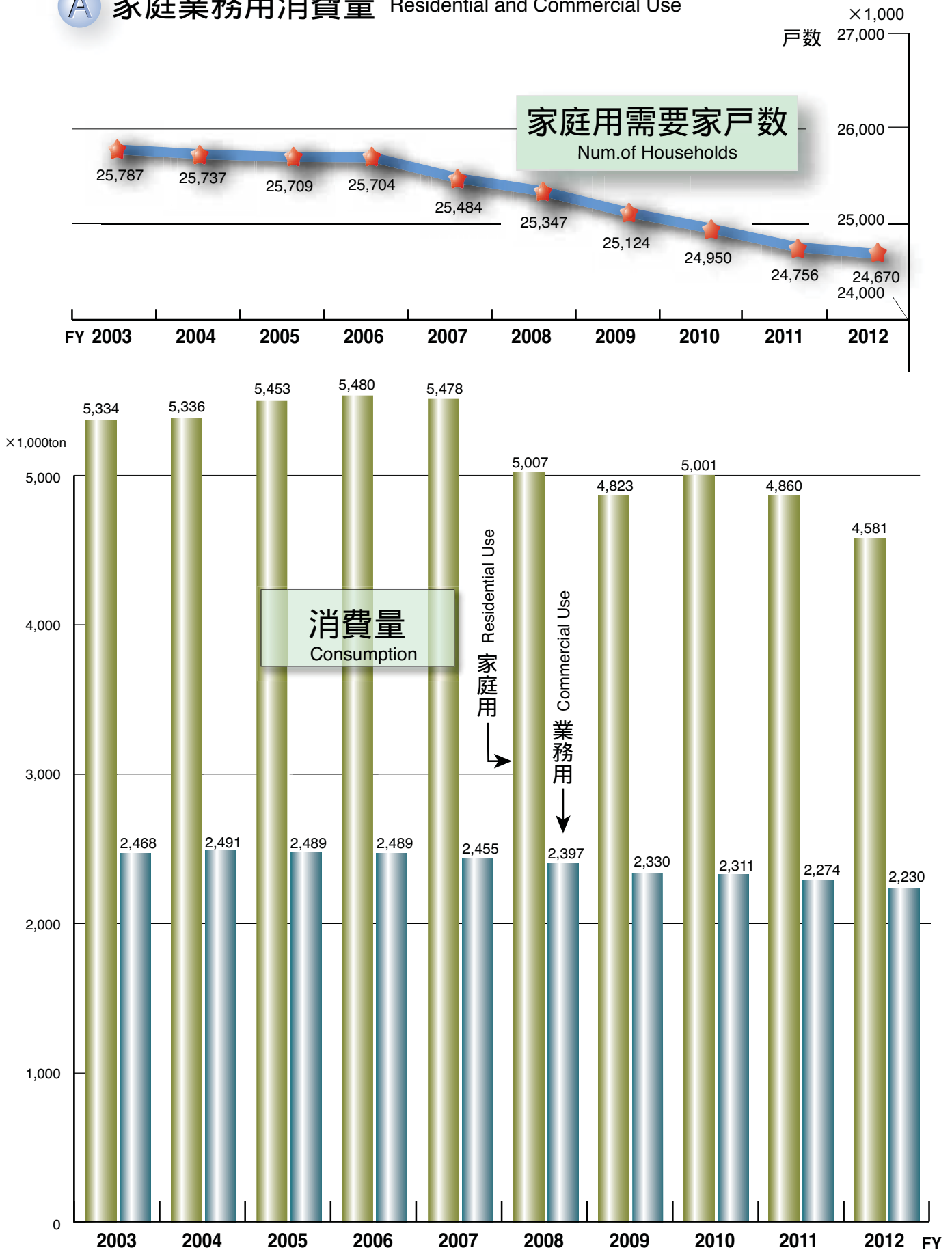




### ③ 形態別需要の推移

Consumption Trends by Each Category

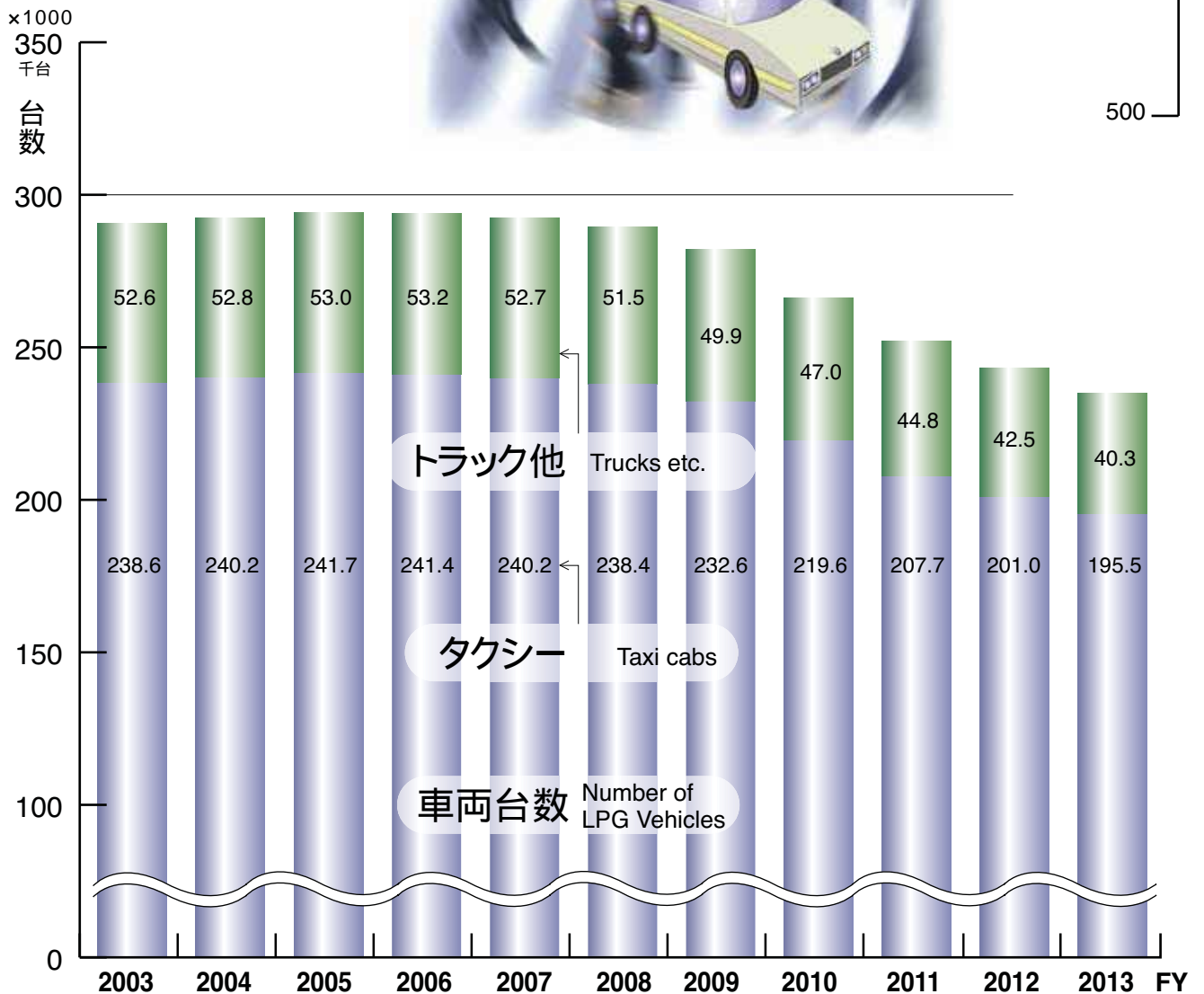
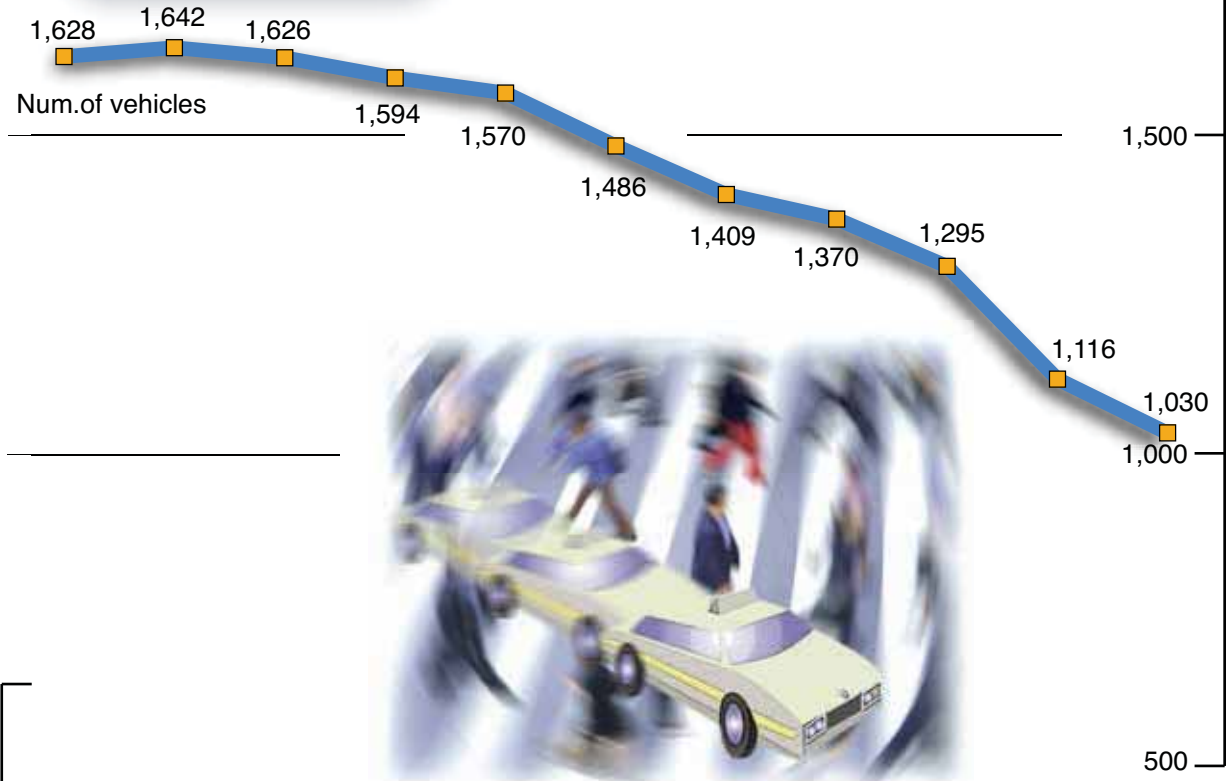
#### A 家庭業務用消費量 Residential and Commercial Use



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

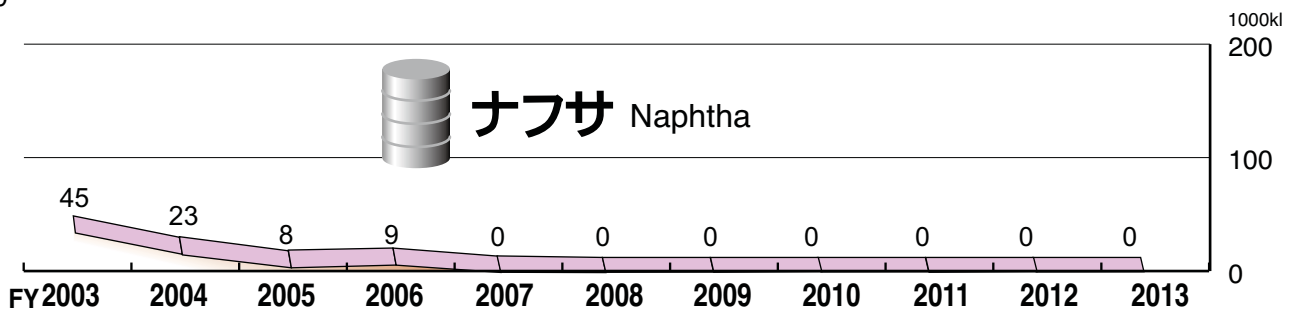
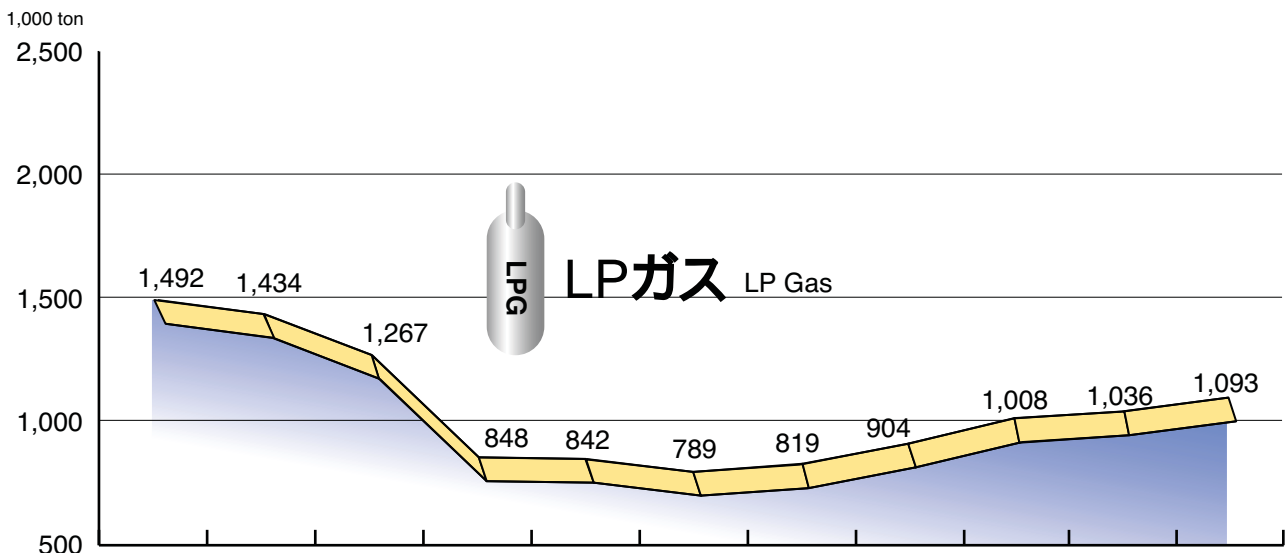
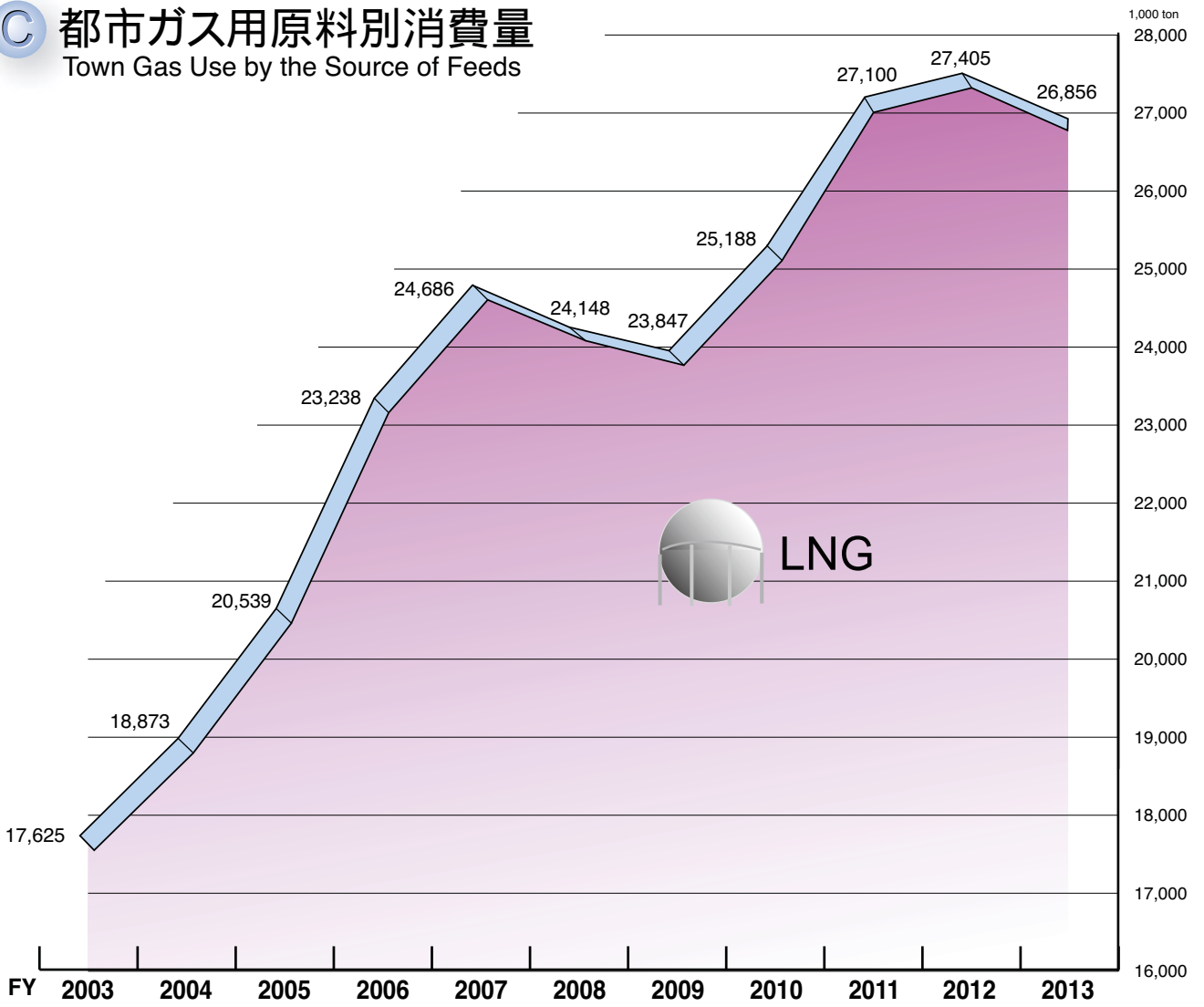
×1,000 ton  
2,000

## LPガス消費量 LP Gas Consumption



# C 都市ガス用原料別消費量

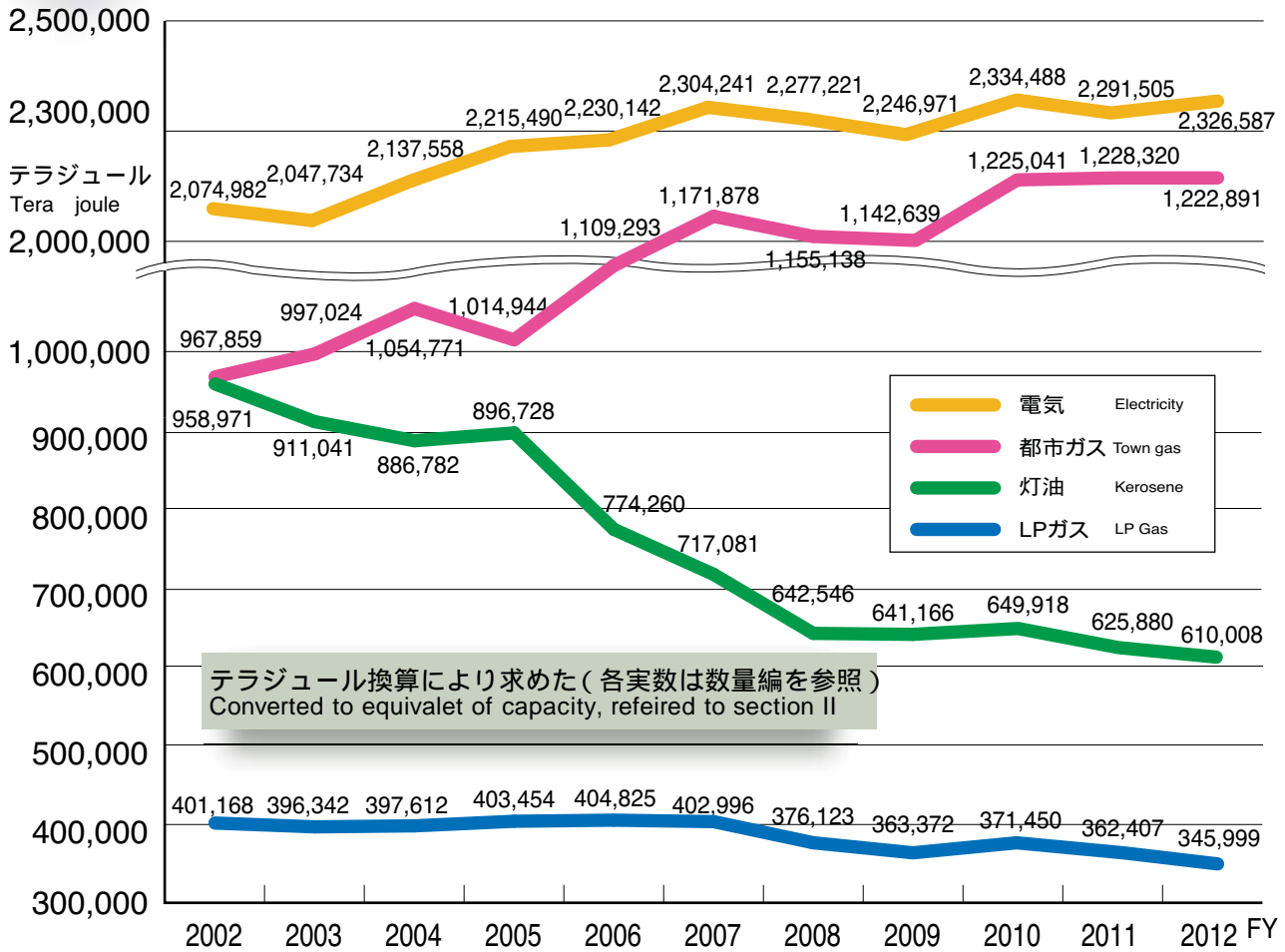
Town Gas Use by the Source of Feeds



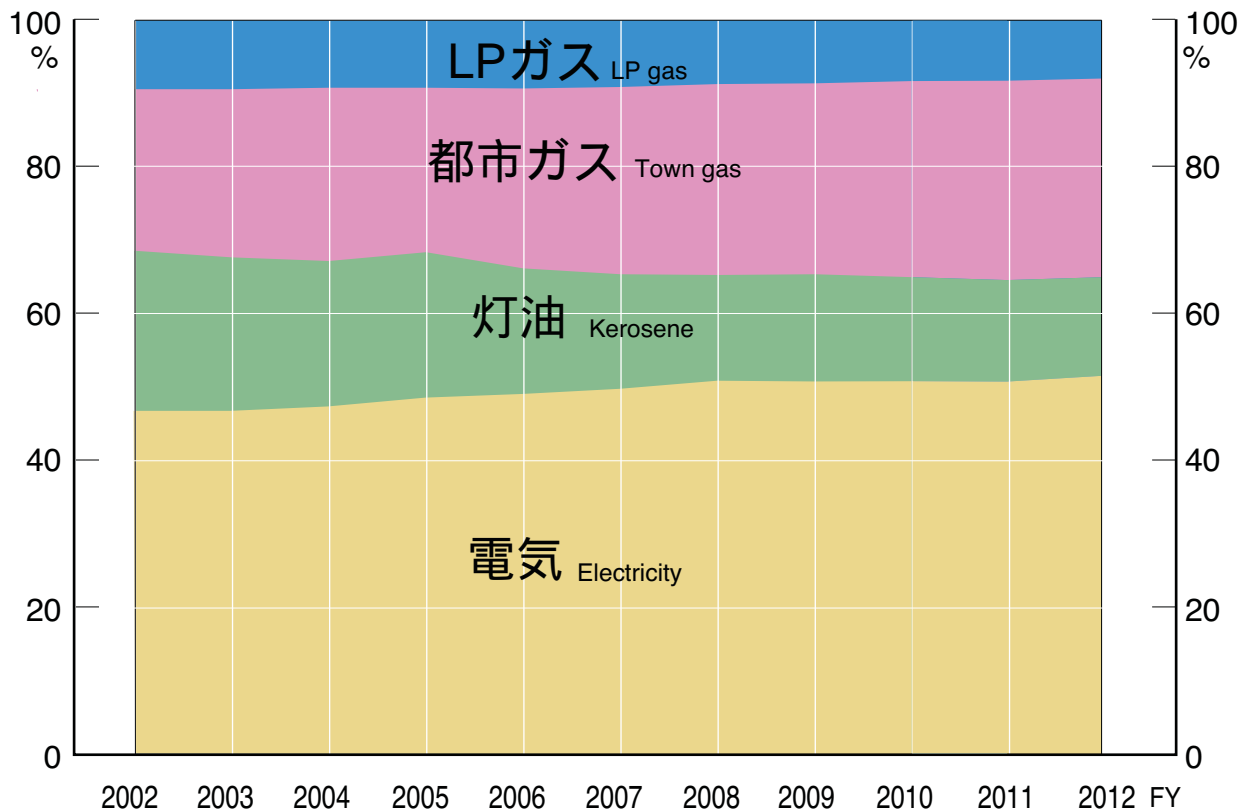
# 4

## 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

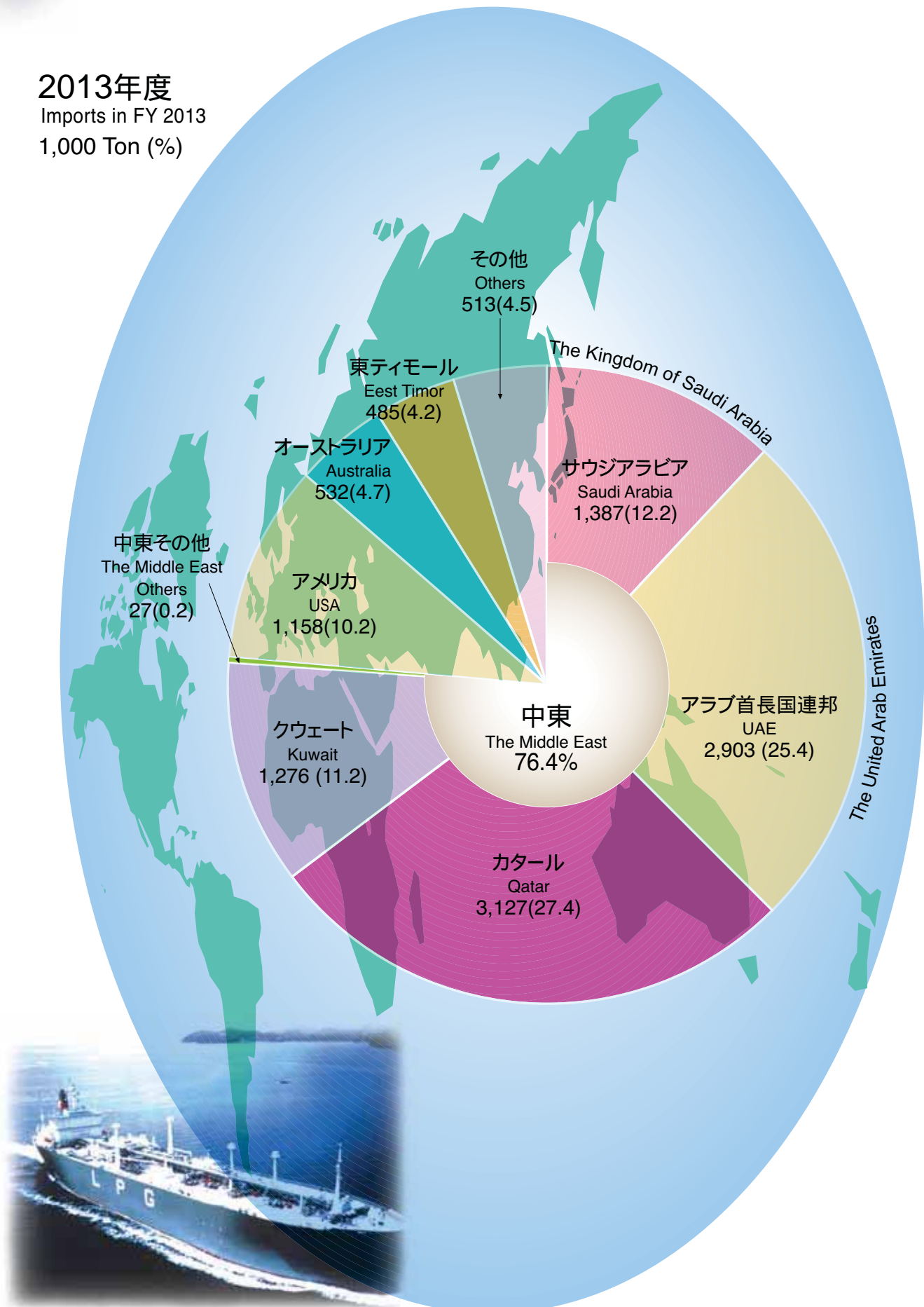




# 5 日本の輸入相手国

LP Gas Imports by Country

2013年度  
Imports in FY 2013  
1,000 Ton (%)

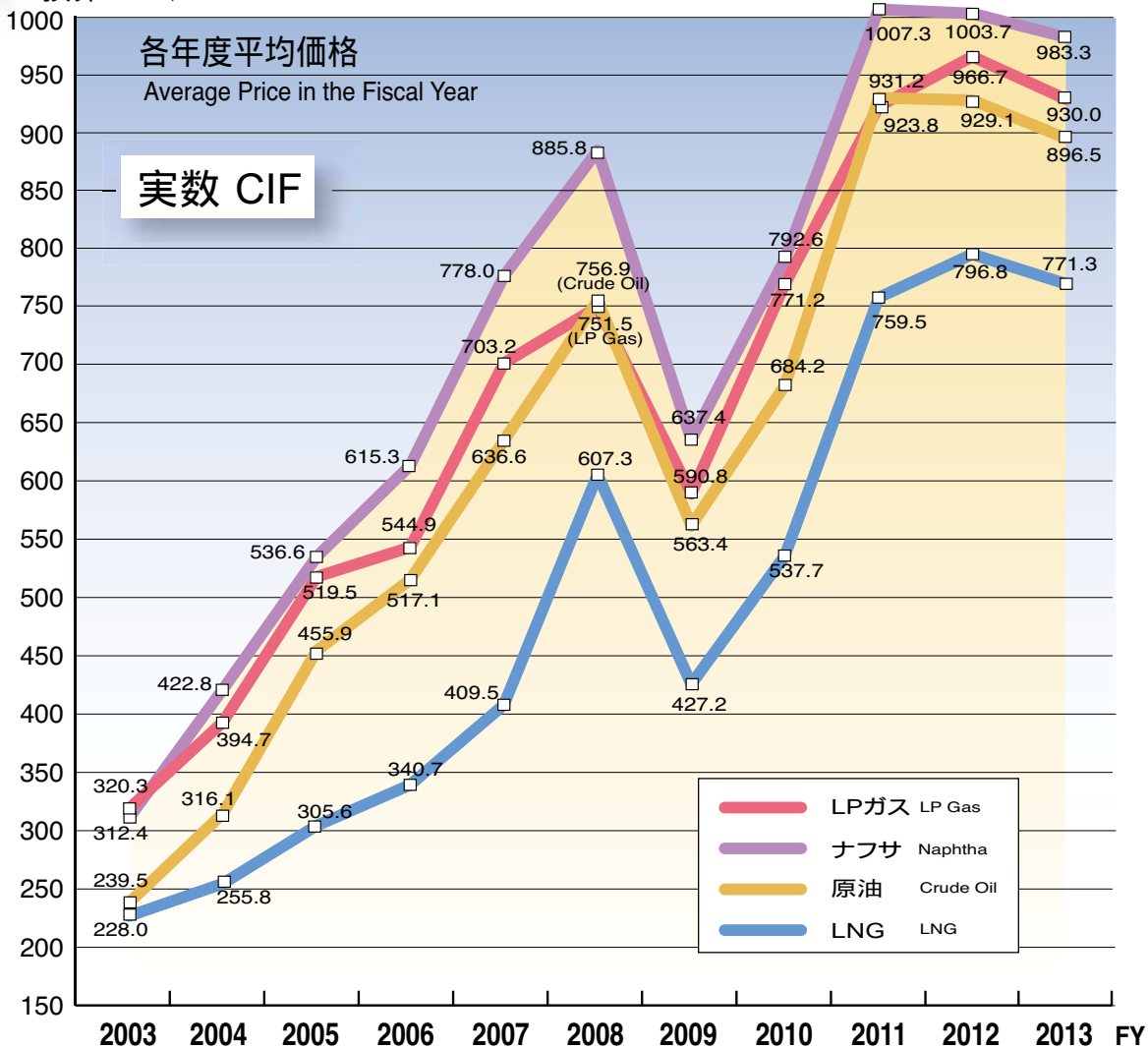


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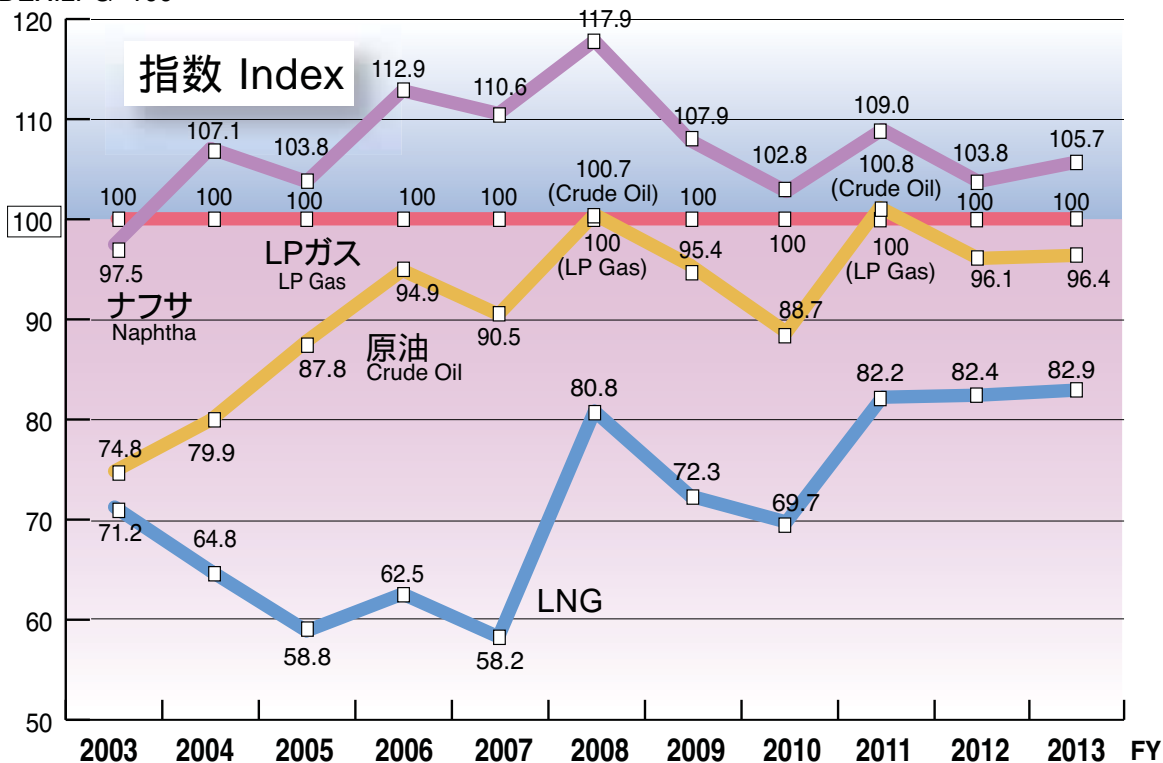
## 輸入エネルギー価格のトレンド

Price Trends of the Imported Energy

LPG換算 CIF \$/ton



INDEX:LPG=100

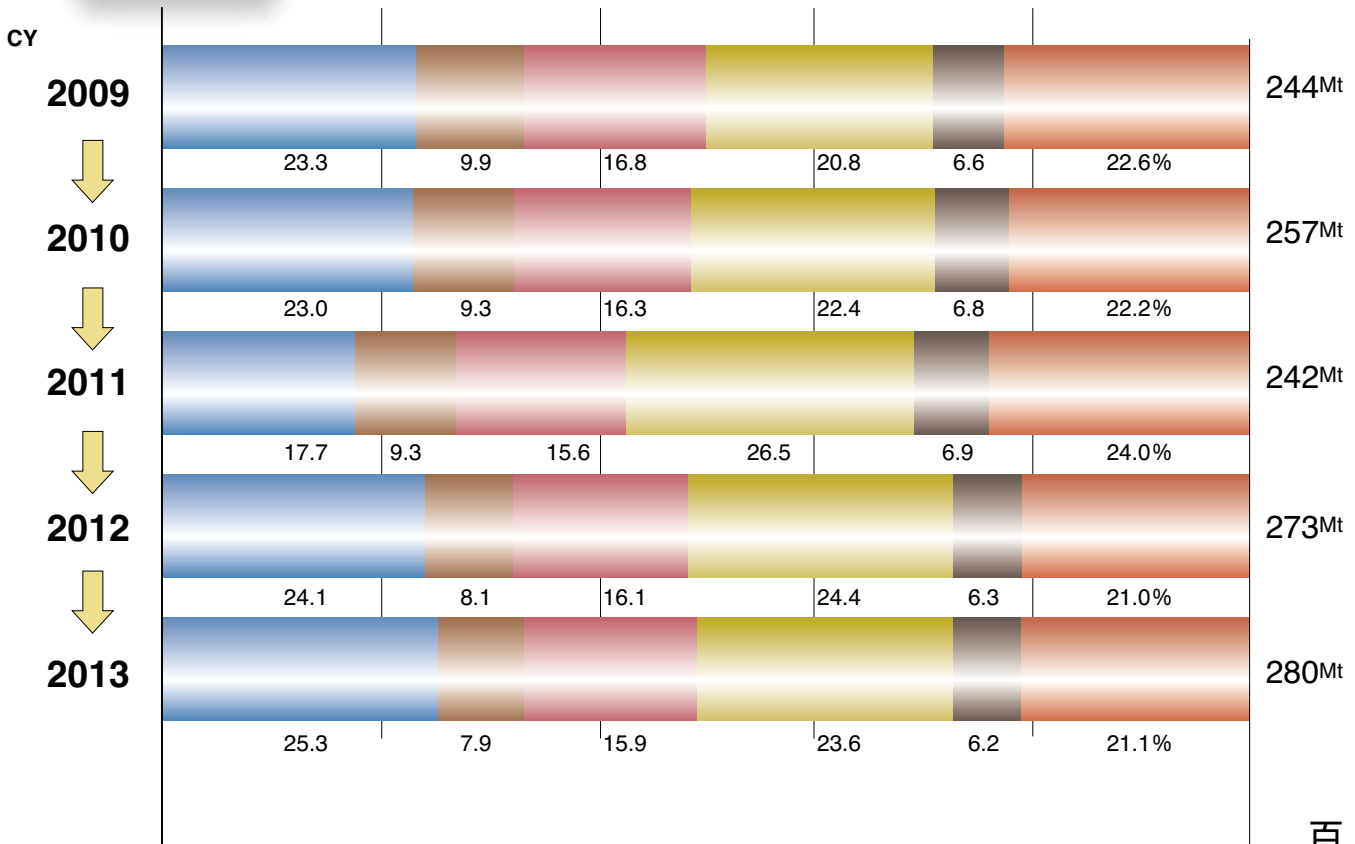
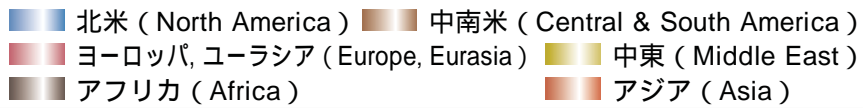


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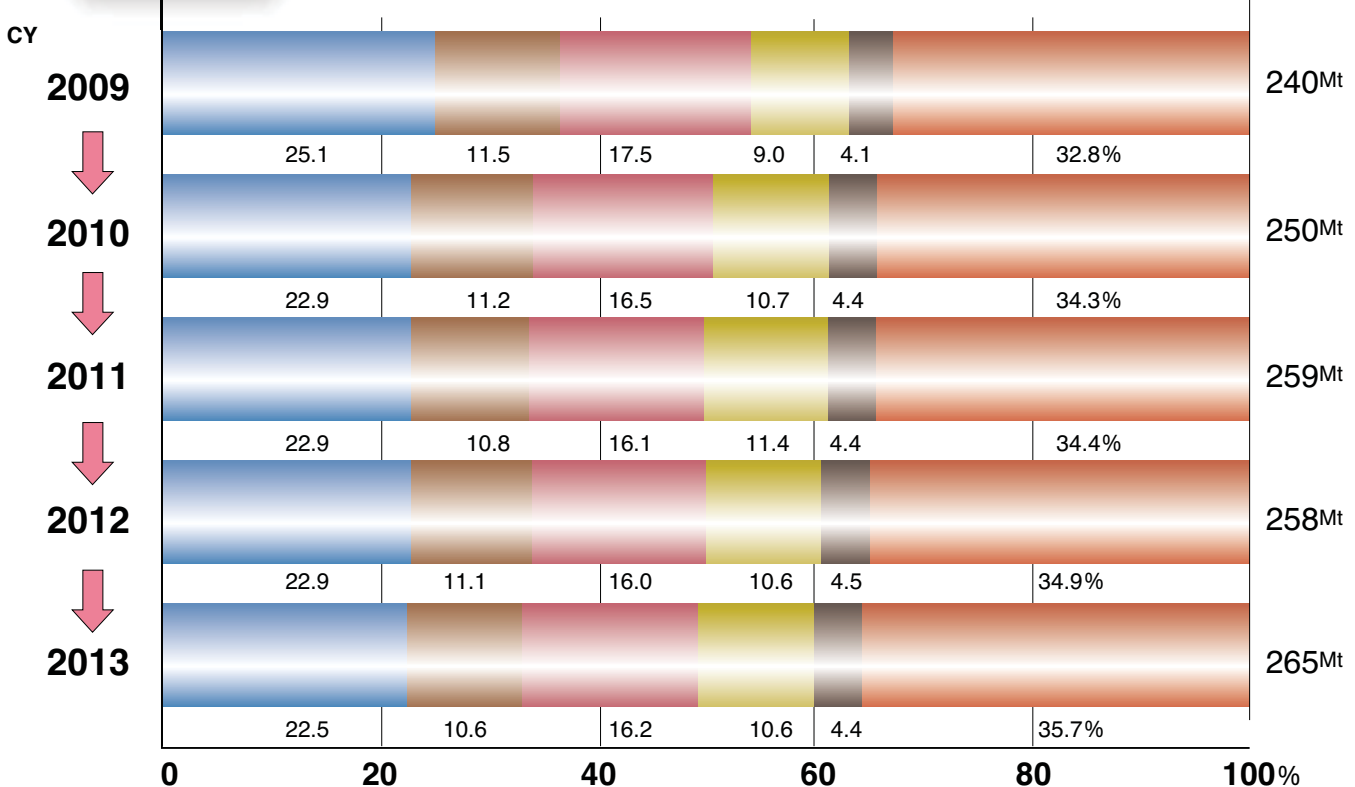
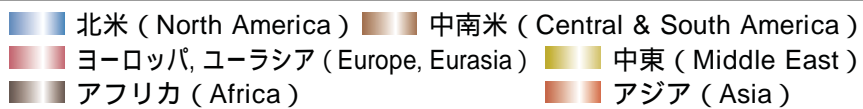
## 世界の地域別生産消費

## World LP Gas Production and Consumption

生産量  
Production



消費量  
Consumption



百万トン  
Million ton

## 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	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
国内生産 Domestic Production	4,155	4,186	4,749	4,608	4,557	4,328	4,719	4,466	3,655	3,547	3,992
輸入 Import	14,043	13,719	14,083	13,532	13,522	13,126	11,597	12,332	12,633	13,189	11,408
合計 Total Supply	18,198	17,905	18,832	18,140	18,079	17,454	16,316	16,798	16,288	16,736	15,400

(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	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
家庭業務用 Residential & Commercial	7,802	7,827	7,942	7,969	7,933	7,404	7,153	7,312	7,134	6,811	6,631
工業用 Industry	4,740	4,572	4,599	4,335	4,023	3,759	3,637	3,595	3,316	3,314	3,184
自動車用 Automobil fuel	1,628	1,642	1,626	1,594	1,570	1,486	1,409	1,370	1,295	1,116	1,030
都市ガス用 Town Gas	1,492	1,434	1,296	848	842	789	819	904	1,008	1,036	1,093
化学原料用 Chemical feedstock	1,981	2,085	2,502	2,901	3,348	3,051	3,268	2,819	2,583	2,518	2,947
電力用 Electric power generation	402	343	436	422	472	631	312	306	958	1,546	653
国内需要計 Inland Total	18,045	17,903	18,401	18,069	18,188	17,120	16,598	16,306	16,294	16,341	15,538
輸出 Export	5	1	4	103	120	141	199	160	60	201	36
需要合計 Total Demand	18,050	17,904	18,405	18,172	18,308	17,261	16,797	16,466	16,354	16,542	15,574

## 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	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
家庭用消費量 Residential Consumption	5,334	5,336	5,453	5,480	5,478	5,007	4,823	5,001	4,860	4,581	
業務用消費量 Commercial Consumption	2,468	2,491	2,489	2,489	2,455	2,397	2,330	2,311	2,274	2,230	
家庭業務合計 Total Consumption (1,000 ton)	7,802	7,827	7,942	7,969	7,933	7,404	7,153	7,312	7,134	6,811	6,631
家庭用需要家戸数 Num.of Households (x1,000)	25,787	25,737	25,709	25,704	25,484	25,347	25,124	24,950	24,756	24,670	

## B 自動車用消費量

B. Autogas Use by Vehicle Type

年度 in FY	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
タクシー・ハイヤー 台数 Num. of Taxi cabs ( x1,000 )	238.6	240.2	241.7	241.4	240.2	238.4	232.6	219.6	207.7	201.0	195.5
LPガス消費量 LP gas Consumption ( 1,000 ton )	1,434	1,360	1,324	1,306	1,266	1,214	1,176	1,143	1,074	1,019	
トラック他 台数 Num. of Trucks etc. ( x1,000 )	52.6	52.8	53.0	53.2	52.7	51.5	49.9	47.0	44.8	42.5	40.3
LPガス消費量 LP gas Consumption ( 1,000 ton )	194	282	302	288	304	272	233	227	221	97	
合計 台数 Total Vehicles ( x1,000 )	291.2	293.0	294.7	294.7	292.9	289.9	282.5	266.6	252.5	243.5	235.8
LPガス消費量 Total LPG Consumption ( 1,000 ton )	1,628	1,642	1,626	1,594	1,570	1,486	1,409	1,370	1,295	1,116	1,030

## C 都市ガス用原料別消費量

C. Town Gas Use by the Source of Feeds

FY	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
LPガス LP Gas 1,000 ton	1,492	1,434	1,296	848	842	789	819	904	1,008	1,036	1,093
天然ガス LNG 1,000 ton	17,625	18,873	20,539	23,238	24,686	24,148	23,847	25,188	27,100	27,405	26,856
石炭・コークス Coal / Cokes 1,000 ton	—	—	—	—	—	—	—	—	—	—	—
ナフサ Naphtha 1,000 kl	45	23	8	9	—	—	—	—	—	—	—

## 4 民生用エネルギー需要

4. Residential & Commercial Energy Demand by Energy Sources

FY	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
電気 % Electricity Million kwh	47.1	47.1	47.7	48.9	49.4	50.1	51.2	51.1	51.0	50.8	51.6
灯油 % Kerosene 1,000kl	21.8	20.9	19.8	19.8	17.1	15.6	14.4	14.6	14.2	13.9	13.5
都市ガス % Town Gas Million m <sup>3</sup>	22.0	22.9	23.6	22.4	24.5	25.5	26.0	26.0	26.7	27.3	27.2
LPガス % LP Gas 1,000ton	9.1	9.1	8.9	8.9	9.0	8.8	8.5	8.3	8.1	8.0	7.7

【出所】 電気 経済産業省「総合エネルギー統計」 (注) %は熱量(J)比より算出  
Sources Electricity : Energy balance in Japan, METI

灯油 経済産業省「総合エネルギー統計」  
Kerosene : Energy balance in Japan, METI

都市ガス 経済産業省「総合エネルギー統計」  
Town Gas : Energy balance in Japan, METI

LPガス 経済産業省「石油製品需要」  
LP Gas : Petroleum Supply Plan, METI

## 5 日本の輸入相手国

## 5. LP Gas Imports by Country

2013年度輸入量 FY2013	千トン	%	
サウジアラビア	1,387	12.2	The Kingdom of Saudi Arabia
アラブ首長国連邦	2,903	25.4	The United Arab Emirates
カタール	3,127	27.4	Qatar
クウェート	1,276	11.2	Kuwait
中東 その他	27	0.2	Middle East, Others
<b>中東 合計</b>	<b>8,720</b>	<b>76.4</b>	<b>Total in the Middle East</b>
アメリカ	1,158	10.2	United States of America
オーストラリア	532	4.7	Australia
東ティモール	485	4.2	East Timor
その他	513	4.5	Others
<b>総計</b>	<b>11,408</b>	<b>100.0</b>	<b>Grand Total</b>

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 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
LPガス LP Gas	320.3 (100)	394.7 (100)	519.5 (100)	544.9 (100)	703.2 (100)	751.5 (100)	590.8 (100)	771.2 (100)	923.8 (100)	966.7 (100)	930.0 (100)
ナフサ Naphtha	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)	1007.3 (109.0)	1003.7 (103.8)	983.3 (105.7)
原油 Crude Oil	239.5 (74.8)	316.1 (80.0)	455.9 (87.8)	517.1 (94.9)	636.6 (90.5)	756.9 (100.7)	563.4 (95.4)	684.2 (88.7)	931.2 (100.8)	929.1 (96.1)	896.5 (96.4)
LNG LNG	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)	759.5 (82.2)	796.8 (82.4)	771.3 (82.9)

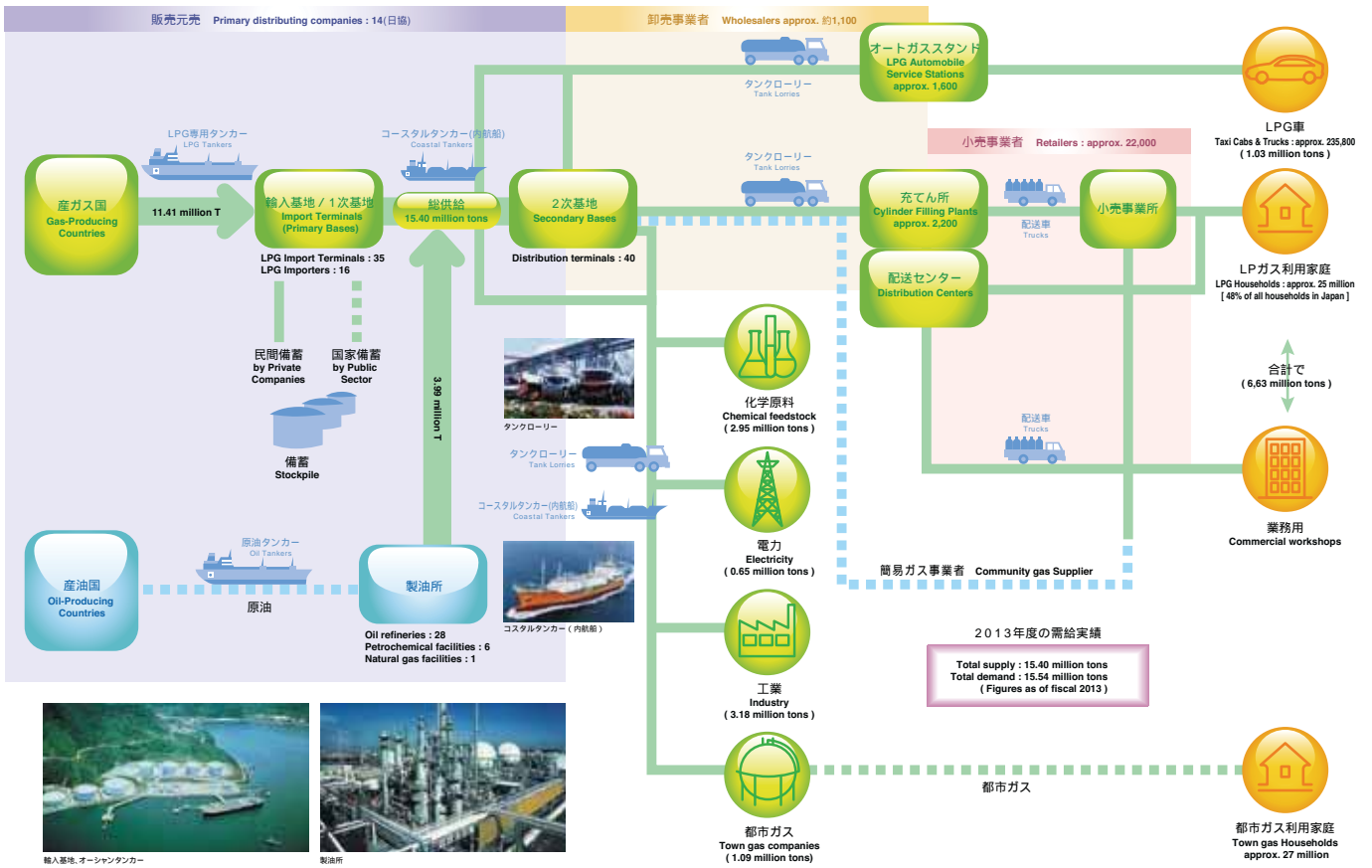
各年度平均、LPG 熱量換算\$/トン、( )内はLPガスを100とした指数  
 Converted to the equivalent of LP Gas heat capacity, (Index; LPG=100)

## 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
	CY	2008	2009	2010	2011	2012	2013	2008	2009	2010	2011	2012	
北米	56,412	56,771	58,991	42,837	65,862	70,938	61,772	60,175	57,132	59,400	59,157	59,734	North America
中南米	23,984	24,247	23,762	22,486	22,213	22,262	27,186	27,633	27,970	27,913	28,704	28,067	Central /South America
ヨーロッパ ユーラシア	41,696	41,002	41,960	37,813	44,195	44,535	43,217	41,971	41,153	41,752	41,353	42,968	Europe , Eurasia
中東	49,386	50,688	57,603	64,142	66,792	65,972	20,268	21,490	26,824	29,471	27,397	28,125	Middle East
アフリカ	16,146	16,044	17,371	16,617	17,135	17,373	10,343	9,932	11,077	11,358	11,462	11,729	Africa
アジア太平洋	53,056	54,954	56,888	58,190	57,515	58,954	76,988	78,759	85,780	89,255	89,978	94,645	Asia
世界計	240,680	243,706	256,576	242,085	273,713	280,034	239,774	239,959	249,936	259,150	258,051	265,268	World Total



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