

Financial Report for FY2013.3 (April 2012 – March 2013)

April 2013 Osaka Gas Co., Ltd.

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I. Business Results for FY2013.3 and Forecasts for FY2014.3

Management information is available on Osaka Gas websites. Financial reports, annual reports and road show materials can be accessed and downloaded at the following URL. http://www.osakagas.co.jp/ir/index_e.html Disclaimer Certain statements contained herein are forward-looking statements, strategies, and plans, which reflect our judgment based on the information so far available. Actual results may differ materially from those discussed in such statements. Among the factors that could cause actual results to differ materially are: economic trends in Japan, sharp fluctuations in exchange rates and crude oil prices, and extraordinary weather conditions. Note regarding gas sales volume All gas sales volumes are indicated based on the standard heating value at 45 MJ/m3. Note regarding consolidated gas sales volume The fiscal year of Nabari Kintetsu Gas, Toyooka Energy, and Shingu Gas ends on December 31.

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Thank you very much for taking time to attend this briefing on our business result report.

I would also here like to express, on behalf of the Company, my gratitude for your continued cooperation and understanding in regard to the Company's businesses.

Today, I would like to explain Osaka Gas operational results for the year ended March 31, 2013 and forecasts for the year ending March 31, 2014.

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Summary of Business Results for FY2013.3 - I

Year-on-Year Comparison

Overview

Consolidated operating revenues	Increased to 1,380.0 billion yen, up 6.6% from last year gas sales price based on fuel cost adjustment system, al price, and to growth in sales of gas appliances.	
Consolidated ordinary profit	Increased by 19.1% from the previous year to ¥90.1 bill decreased loss from timing difference in reflecting the LN gas price, which resulted in gas gross margin increase.	
	Loss on fuel cost adjustment system was ¥20.7 billion loss of ¥30.7 billion in previous year).	n (compared with
 Gas Sales Volu 	ume	
Residential	Almost same as previous year at 2,272 million m ³ .	
Commercial	Decreased by 2.2% to 1,540 million m ³ from last yea impact of customers' energy-saving consciousness.	r, mainly due to
Industrial	Decreased by 3.1% to 4,222 million m ³ from last year decrease in operation of customer facilities.	r, mainly due to
		Design Your Energy 夢ある明日を
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In the year ended March 2013, we reported increases in both revenue and profit.

Consolidated operating revenues increased by 6.6% from the previous year to \$1,380 billion, supported mainly by a higher gas sales price, adjusted in response to increases in LNG price and gas equipment sales. Consolidated ordinary profit increased by 19.1% from the previous year to \$90.1 billion, mainly due to decreased loss from timing difference in reflecting the LNG price rise in the gas price, which resulted in gas gross margin increase.

The loss from timing difference due to delay in price adjustment under the fuel cost adjustment system was ¥20.7 billion.

Residential gas sales volume were almost the same as the previous year at 2,272 million m³.

Gas sales volume for commercial/public/medical use decreased by 2.2% to 1,540 million m³, reflecting the impact of customers' energy-saving consciousness.

Industrial gas sales volume decreased by 3.1% to 4,222 million m³, affected by the significant decrease in operating rates of customers' production facilities since August last year.

Summary of Business Results for FY2013.3 - II

Comparison wit • Overview		
Consolidated operating revenues	Almost same as forecast, at ¥1,380.0 billion.	
Consolidated ordinary profit	Lower than forecast by 5.1%, to ¥90.1 billion, due to dear affected by the increase in raw material costs resulting for profits from affiliated companies and the electric powers	rom the LNG price increase, while
	Loss on fuel cost adjustment system was ¥20.7 billion (c loss).	ompared with forecast ¥2.9 billion
Gas Sales Volume		
Residential	Higher than forecast by 2.0%, to 2,272 million m ³ , due t half	o temperature impact during 2 nd
Commercial	Higher than forecast by 2.8%, to 1,540 million m ³ , due t half	o temperature impact during 2 nd
Industrial	Lower than forecast by 2.3%, to 4,222 million m ³ , mainly rates of customers' production facilities	y due to decrease in the operating
Others		
Investments for expansion, greenfield, M&A	Participated in shale gas/oil development project in Texa generation project in Ontario (Canada). These operation Invested ¥85.7 billion in total.	
Dividend	Plan to increase the annual dividends by ¥0.5 per share (For the year ending March 2014, we plan payment of a	
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Now, I would like to explain the results for the year ended March 31, 2013, in comparison with the revised forecasts announced in October.

Consolidated operating revenues were almost the same as forecast.

Consolidated ordinary profit was 5.1% lower than forecast, mainly due to the decrease in the gas gross margin affected by the increase in raw material costs resulting from the LNG price increase, while profits from affiliated companies and the electric power sales business increased.

The loss from timing difference due to the delay in price adjustment under the fuel cost adjustment system was higher than forecast by \$17.8 billion.

Gas sales volumes to residential customers and commercial/public/medical customers were higher than forecast, supported by colder weather than expected in the second half of the year.

Gas sales volume to industrial customers was lower than forecast, mainly due to further decrease in the operating rates of customers' production facilities.

In the area of investments to promote new businesses, we participated in the shale gas/oil development project in Texas (U.S.A.) and the solar power generation project in Ontario (Canada); both operations are already in service.

The total investments implemented during the year ended March 2013 were ¥85.7 billion.

Considering the steady increase in profits from affiliated companies and the electric power sales business, we plan to increase annual dividends for the year ended March 2013 by ¥0.5 from the previous year, to ¥8.5 per share

In the year ending March 2014, we plan to pay annual dividends of ¥9 per share.

Gas Sales Volume Results for 2013.3

45MJ/m ³	A. FY13.3	B. FY12.3	A-B	A-B/B (%)	C. FY13.3 forecast	A-C/C (%)
Number of meters installed (thousand)	7,086	7,045	+40	+0.6%	7,078	+0.1%
Installation of new meters (thousand)	91	81	+10	+12.6%	82	+11.6%
Monthly gas sales volume per household (m ³ /month)	32.5	32.6	-0.1	-0.3%	31.9	+1.8%
Residential use	2,272	2,271	+1	+0.1%	2,229	+2.0%
Commercial, public, and medical use	1,540	1,575	-35	-2.2%	1,497	+2.8%
Industrial use	4,222	4,355	-134	-3.1%	4,322	-2.3%
Non-residential total	5,761	5,930	-168	-2.8%	5,819	-1.0%
Wholesale	469	480	-11	-2.3%	459	+2.2%
(non-regulated)	(4,894)	(5,062)	(-168)	(-3.3%)	(4,982)	-1.8%
Non-consolidated gas sales volume total (million m ³)	8,503	8,681	-178	-2.1%	8,507	-0.0%
Consolidated gas sales volume total (million m ³)	8,534	8,711	-178	-2.0%	8,538	-0.0%
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This table shows gas sales results for the year ended March 2013.

The gas sales volume on a non-consolidated basis decreased 2.1% from the previous year to 8,503 million m³.

For your reference, monthly gas sales volumes by use type are shown on Page 31.

Results for FY2013.3 - I

	0.	•			to non-consolida			
(billion yen)	A . FY1	3.3	3 B. FY12.3		A-B	A-B/B(%)	C. FY13.3 forecast	A-C/C (%)
Operating revenues	(1.24) 1 ,3	380.0	(1.25) 1,2	94.7	+85.2	+6.6%	1,373.0	+0.5%
Operating profit	(1.84)	84.7	(1.96)	77.2	+7.4	+9.7%	94.0	-9.8%
Ordinary profit	(1.63)	90.1	(1.84)	75.6	+14.4	+19.1%	95.0	-5.1%
Net income	(1.49)	52.4	(1.76)	45.2	+7.2	+16.1%	61.0	-14.0%
SVA		18.6		11.9	+6.7	+56.1%	27.7	-32.8%
		Α.	FY13.3	В.	FY12.3	A-B	C. FY13.3 forecast	A-C
Consolidated gas sal- volume	es million m ³		8,534		8,711	-178	8,538	-4
Profit/ loss on fuel cost adjustment system	billion yen		-20.7	,	-30.7	+9.9	-2.9	-17.8
Exchange rate	yen/\$		113.9)	114.2	-0.3	114.2	-0.4
Crude oil price	\$/bbl		83.1		79.1	+4.0	80.0	+3.1
Number of subsidiaries				130 133				
Average of preliminary month	hly data up to	March. SV	A (Shareholders		lded) = NOPAT	- Invested cap		
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This table shows the summary of operational results for the year ended March 2013.

Results for FY2013.3 - II

(billion yen)	A. FY13.3 end	B. FY12.3 end	A-B	Remarks
Total assets	1,566.8	1,475.7	+91.1	Mainly due to the increase in fixed assets
Net worth	747.8	684.5	+63.2	
Interest-bearing debt	540.1	541.3	-1.1	
Number of employees	19,870	19,818	+52	
Equity ratio	47.7%	46.4%	+1.3	
D/E ratio	0.72	0.79	-0.07	
	A. FY13.3	B. FY12.3	A-B	Remarks
Capital expenditure	112.9	87.1	+25.8	Mainly upstream equities
Depreciation	82.8	93.6	-10.8	Completion of special depreciation in FY2012.3
Free cash flow	85.0	79.0	+6.0	
ROA	3.4%	3.1%	+0.3	
ROE	7.3%	6.7%	+0.6	
EPS (yen/share)	25.2	21.7	+3.5	
BPS (yen/share)	359.2	328.8	+30.4	
FCF = CF from operating activities - (OP after tax + depr	eciation and other no	on-cash exper	nses) - capital expenditure Design Your Energy 夢ある明日を
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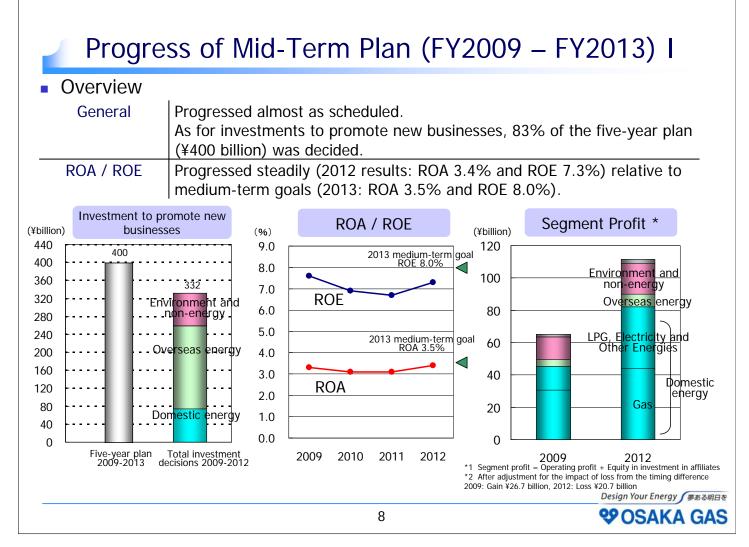
The financial position and key financial indicators are shown in this slide.

Net worth increased from the previous year by ¥63.2 billion, to ¥747.8 billion because a certain portion of retained earnings for the current year was capitalized and the valuation difference of securities and foreign exchange adjustments accounts increased.

Capital expenditures increased by ¥25.8 billion from the previous year to ¥112.9 billion, mainly because we acquired equities in and developed upstream businesses in Australia and the United States.

Depreciation expenses decreased by ¥10.8 billion to ¥82.8 billion, mainly because the five-year equal depreciation of assets with residual value of 5% was completed last year.

ROA improved by 0.3 points to 3.4%. ROE also improved by 0.6 points from the previous year, to 7.3%.



In March 2009, Osaka Gas announced the Group's long-term management vision/medium-term management plan: "Field of Dreams 2020."

Now that four years of the five-year medium-term plan have elapsed, we would like to look back the progress of the plan thus far.

This plan was created before the Great East Japan Earthquake. Despite the earthquake, we believe that planned activities have progressed steadily, almost as scheduled.

As for investments to promote new businesses, which will be invested to achieve future business growth, we have already decided on specific investments of ¥332 billion, 83% of the planned total investment amount.

As for ROA and ROE, their improvement is steadily progressing toward the medium-term goal of ROA 3.5% and ROE 8.0% despite the impact of the loss from timing difference exceeding ¥20 billion.

Progress of Mid-Term Plan (FY2009 – FY2013) II

Domestic energy service businesses

Domestic energy	/ service businesses	
Distributed power sources	Total ENE-FARM sales in four years (FY2009 – FY2012): 12,119 units	
Pipeline	Construction of the Mie-Shiga Pipeline and the Himeji-Okayama Pipeline (to be completed respectively)	in January and April 2014,
LNG sales	Concluded LNG sales contracts with Okinawa Electric Power Company (FY2012-) and Shi	zuoka Gas (FY2014-).
Electric power business	The Semboku Natural Gas Power Plant served to mitigate the tight electricity demand/sup East Japan Earthquake.	pply balance after the Great
Overseas energy	y value chain businesses	
Upstream LNG equities	Decided to acquire LNG from the Gorgon and Ichthys LNG projects in Australia and acquir	re equities in those projects.
Shale gas projects	Participated in shale gas projects in Canada and the U.S.A. Concluded natural gas liquidation contract with a subsidiary of Freeport.	
Midstream/downstream businesses	Participated in LNG terminal project in Spain and power generation/water desalination pro Participated in gas sales project in Singapore.	oject in UAE.
 Environment ar 	nd non-energy businesses	
General	Existing businesses has steadily gained strength; segment profit has grown to ¥19 billion.	
Renewable energies	Participated in mega-solar projects at four sites in Japan and one in Canada.	
	Acquired wind power plants: three in Japan (five in total, including previously acquired pla	ants) and one in Australia.
Returns to share	reholders/customers	
Dividends	Increased by ¥1 in FY2010; plan ¥0.5 increase in fiscal 2012 (annual dividends of ¥9 per s FY2013).	share are planned for
Buy-back of Company shares	From Nov. 2010 to Jan. 2011, Company shares totaling ¥20 billion were bought back and	retired.
Price revision	Retail prices were lowered by 1.20% on average in February 2012.	Design Your Energy / 夢ある明日を
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As shown in this slide, we conducted activities to expand our business fields in the domestic energy service business, the overseas energy value chain business and the environment and non-energy businesses.

Business Plan for FY2014.3

Priority Issues (1) Advance energy business in order to respond to customer and social needs Activities to realize shale gas importation from North America Accelerate widespread use of distributed power sources Expand electricity and wide-area energy businesses Further strengthen production/supply network (2) Dramatically expand overseas energy businesses Start gas sales business in Singapore (3) Increase revenues through growth of diverse group companies Materials solutions, information, urban development, LPG/industrial gas, lifestyle services (4) Strengthen business foundation to support sustainable growth * Develop a new Medium-Term Management Plan (from FY2014) Design Your Energy / 夢ある明日を 10 🎗 OSAKA GAS

Now, I will explain our forecasts for the year ending March 2014, the last year of our current medium-term management plan.

In the year ending March 2014, we will focus on these four priority issues.

We will also develop and announce a new medium-term management plan by the end of the year.

Summary of Business Forecasts for FY2014.3

-	Overview		
	Consolidated operating revenues	Expected to increase by 9.3% to ¥1,508 billion, reflecting increases in gas sales price and LNG sales price, in response to LNG purchase price increase.	
	Consolidated ordinary profit	Expected to increase by 11.0% to ¥100 billion, reflecting cost reductions (overhead expenses and labor costs) and improvement in profits of affiliated companies. Loss on fuel cost adjustment system is expected to be ¥10.3 billion.	
•	Gas Sales Vol	ume	
	Residential	Expected to decrease by 2.2% to 2,222 million m ³ , assuming same temperature level as in usual years.	
	Commercial	Expected to decrease by 3.8% to 1,481 million m ³ , reflecting impact of customers' energy-saving consciousness and assuming same temperature lev as in usual years.	vel
	Industrial	Expected to increase by 4.0% to 4,390 million m ³ , reflecting newly created demand and increased operation of customers' facilities.	
•	Others		
	Investments for expansion,	Plans for ¥138 billion investment, mainly in international energy businesses along energy value chain.	
	greenfield, M&A	Design Your Energy / 夢ある	る明日を
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In the year ended March 2014, we expect increases in both revenue and profit.

Consolidated operating revenues are expected to increase by 9.3% from the previous year to ¥1,508 billion, reflecting increases in the gas sales price and LNG sales price, in response to LNG purchase price increase.

Consolidated ordinary profit is expected to increase by 11.0% to ¥100 billion, reflecting reductions in overhead expenses and labor costs, improvement in affiliated companies' profits and other factors.

Loss from timing difference is expected to be ¥10.3 billion.

Residential gas sales volume is expected to decrease by 2.2% from the previous year in which the temperature was low in the second half to 2,222 million m³, assuming the same temperature level as in usual years.

Gas sales volume for commercial/public/medical use is expected to decrease by 3.8% to 1,481 million m³, adjusted by the same temperature impact on residential use and reflecting the influence of customers' energy-saving consciousness.

Industrial gas sales volume is expected to increase by 4.0% to 4,390 million m³, reflecting newly created demand and increased operation of customers' facilities.

We will continue active investment in projects to promote new businesses. Investments of ¥138 billion are planned, mainly in overseas energy value chain business.

15MJ/m ³	A. FY14.3 forecasts	B. FY13.3 results	A-B	A-B/B(%)
Number of meters installed (thousand)	7,112	7,086	+26	+0.4%
Installation of new meters (thousand)	98	91	+6	+7.1%
Monthly gas sales volume per household (m ³ /month)	31.6	32.5	-0.8	-2.6%
Residential use	2,222	2,272	-51	-2.2%
Commercial, public, and medical use	1,481	1,540	-59	-3.8%
Industrial use	4,390	4,222	+169	+4.0%
Non-residential total	5,871	5,761	+110	+1.9%
Wholesale	466	469	-3	-0.7%
(non-regulated)	(5,053)	(4,894)	(+159)	(+3.2%)
on-consolidated gas sales volume total (million m ³)	8,559	8,503	+56	+0.7%
onsolidated gas sales volume total (million m ³)	8,589	8,534	+55	+0.6%
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Gas Sales Volume Forecasts for FY2014.3

This table is a summary of forecasts for gas sales volumes in the year ending March 2014.

We expect that gas sales volume on a non-consolidated basis will increase by 0.7% to 8,559 million m^3 .

Forecasts for FY2014.3 - I

Figures in () are ratios of consolidated results to non-consolidated results

(billion yen)	A. FY14.3 forecasts		B. FY13.3 results		A-B/B (%)
Operating revenues	(1.26) 1,508	0 (1.24) 1,	380.0	+127.9	+9.3%
Operating profit	(1.75) 100	0 (1.84)	84.7	+15.2	+18.0%
Ordinary profit	(1.61) 100	0 (1.63)	90.1	+9.8	+11.0%
Net income	(1.52) 64	.5 (1.49)	52.4	+12.0	+22.9%
SVA	27	.4	18.6	+8.7	+46.9%
Consolidated gas sales volume		million m ³	8,589		534 +55
Profit/loss on fuel cost adjustm	ent system	billion yen	-10.3	-2	20.7 +10.4
Exchange rate		yen/\$	95	8	3.1 +11.9
Crude oil price		\$/bbl	/bbl 115		3.9 +1.1
SVA (Shareholders' value added) = NO	PAT – Invested c	apital × WACC			Design Your Energy (夢ある明日を
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This table shows our forecasts for operational results for the year ending March 2014.

We assume that the exchange rate will be ¥95 for one U.S. dollar and the crude oil price will be US\$115 per barrel.

Forecasts for FY2014.3 - II

(billion yen)	A. FY14.3 end forecasts	B. FY13.3 end results	A-B
Total assets	1,625.8	1,566.8	+58.9
Net worth	767.3	747.8	+19.4
Interest-bearing debt	607.0	540.1	+66.8
Number of employees	20,201	19,870	+331
Equity ratio	47.2 %	47.7 %	-0.5
D/E ratio	0.79	0.72	+0.07
	A. FY14.3 forecasts	B. FY13.3 results	A-B
Capital expenditure	134.7	112.9	+21.7
Depreciation	80.1	82.8	-2.7
Free cash flow	88.9	85.0	+3.8
ROA	4.1%	3.4%	+0.6
ROE	8.6%	7.3%	+1.3
EPS (yen/share)	31.0	25.2	+5.8
BPS (yen/share)	368.5	359.2	+9.4
FCF = CF from operating activities -	(OP after tax + depreciation and other non-	cash expenses) - capital expenditure Design You	ur Energy 夢ある明日を SAKA GAS

Forecasts for items in the assets and liabilities section and key financial indicators are shown in this slide.

Interest-bearing liabilities will increase by \$66.8 billion from the previous year to \$607 billion, since we must satisfy the cash requirement for the investments to promote new businesses.

Capital expenditures are expected to increase by ¥21.7 billion to ¥134.7 billion, mainly for use in constructing the Himeji-Okayama Pipeline and in equity investments in upstream business development projects overseas.

ROA and ROE are expected to increase to 4.1% and 8.6%, respectively, from the previous year. These figures are higher than the goals for the year ending March 2014 of ROA at 3.5% and ROE at 8.0%, set in the current medium-term management plan.

Use of Free Cash Flow for FY2014.3

- FCF for FY 2014.3 is expected to be at the same level as previous year at ¥88.9 billion
- Plans to make ¥138 billion investment for expansion, greenfield, and M&A

Domestic energy businesses	Construction of major pipelines, etc.			
International energy businesses	Expenditures for already-decided projects			
along the energy value chain	Exploration for and acquisition of ne	w projects		
Environment and non-energy businesses	Exploration for and acquisition of pro estate properties and new projects	ofit-earning real		
 Aims to achieve an annual dividend of ¥9 per share in FY 2014.3 				
Free Cas	h Flow 88.9			
Investments for upgrading Dividend Domestic e	nergy International energy	Environment and non-energy		
(existing businesses) 26	83	29		
44.0				
44.0	Investments for expansion, greenfield, and M&A 1	138		
44.0	Investments for expansion, greenfield, and M&A 1			
	Investments for expansion, greenfield, and M&A 1	140 160		
44.0	0 60 80 100 120 expenditures do not include investments for quality tment differs from that of capital expenditures, as the			

Finally, I will explain the use of free cash flow.

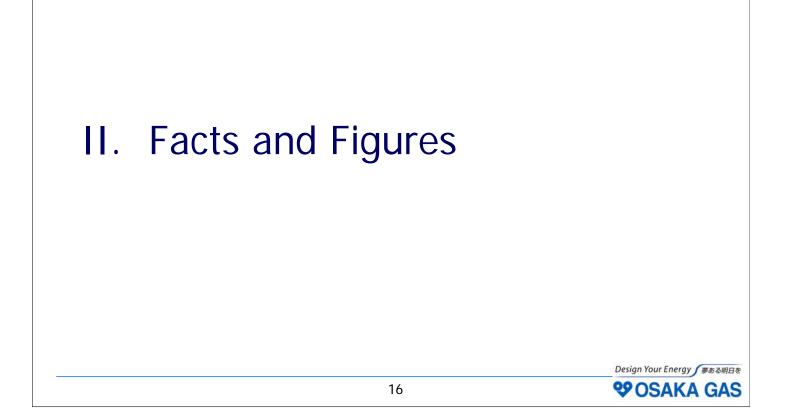
Free cash flow for the year ending March 2014 is expected to be ¥88.9 billion.

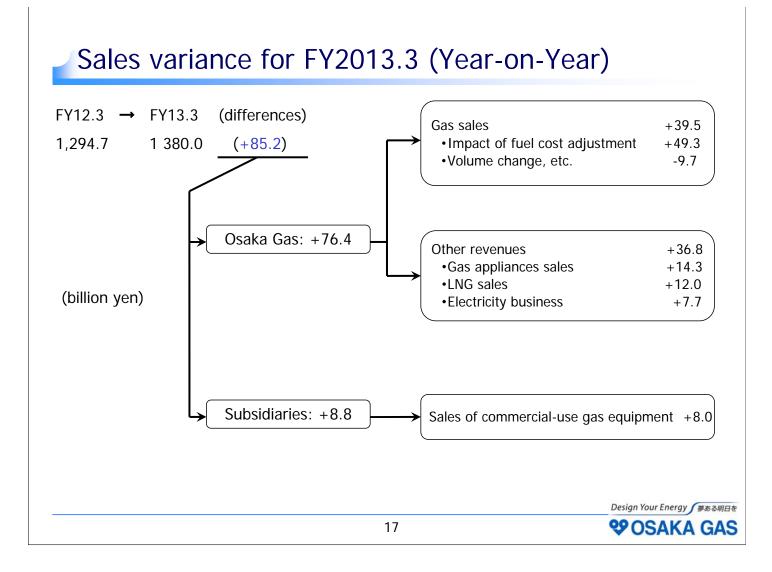
We plan to invest a total of ¥138 billion in expansion of new businesses, which will be covered by free cash flow and borrowings.

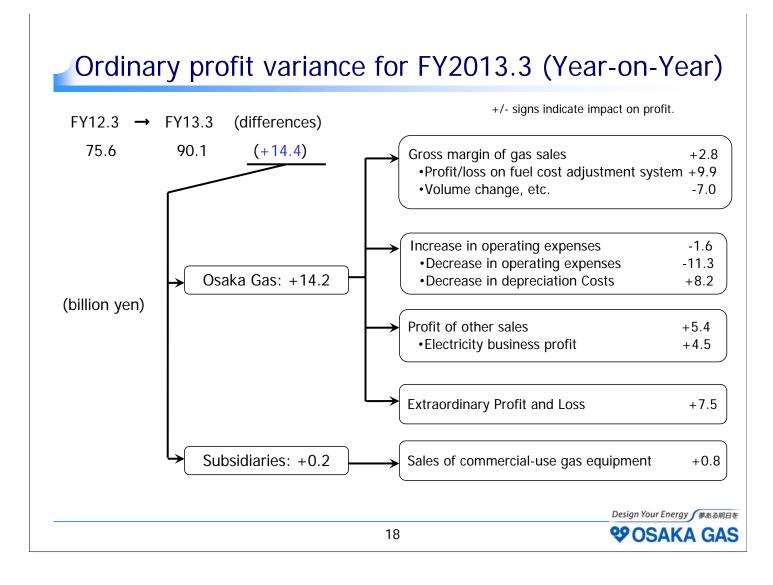
More than half of these investments in expansion of new businesses will be appropriated to investment in overseas energy value chain business, including cash-out for already-decided upstream business projects in Australia and the United States. We will also continue exploring for and acquiring new projects.

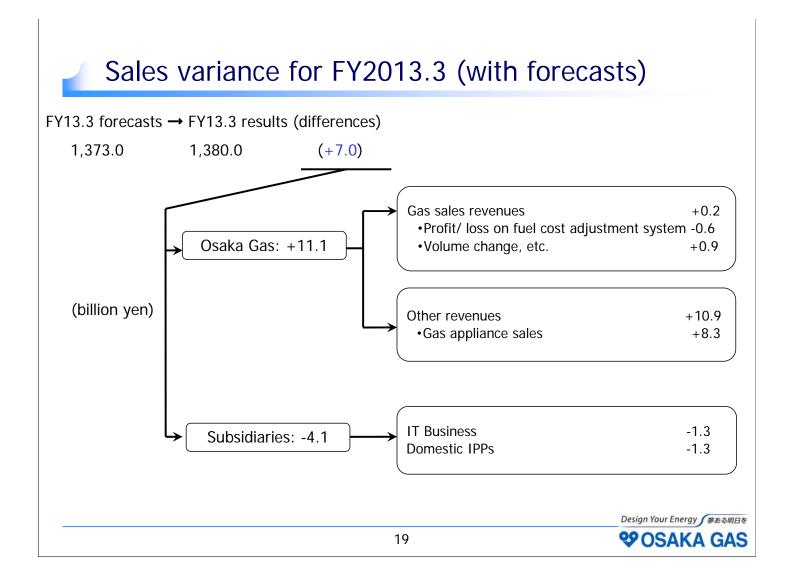
We will also carry out construction of pipelines in the domestic energy service business, including the Mie-Shiga Pipeline and the Himeji-Okayama Pipeline, and will pursue acquisition of real properties for profit-earning in the environment and non-energy businesses.

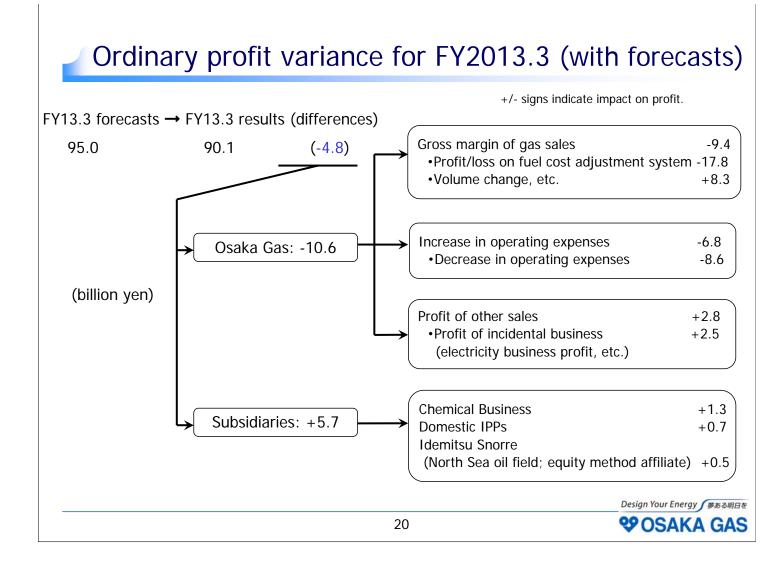
That's all for my presentation on operational results for the year ended March 2013 and forecasts for the year ending March 2014.









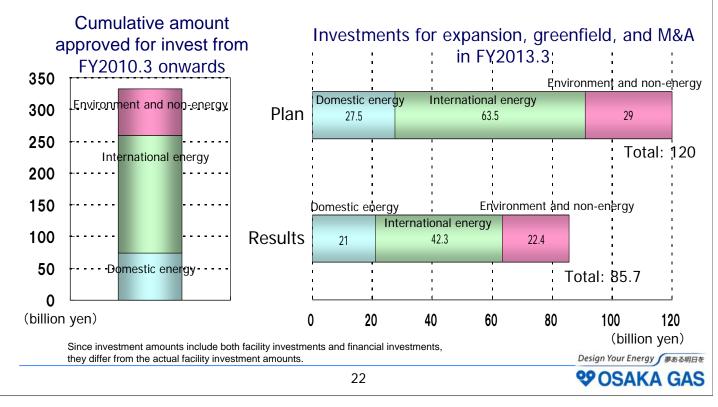


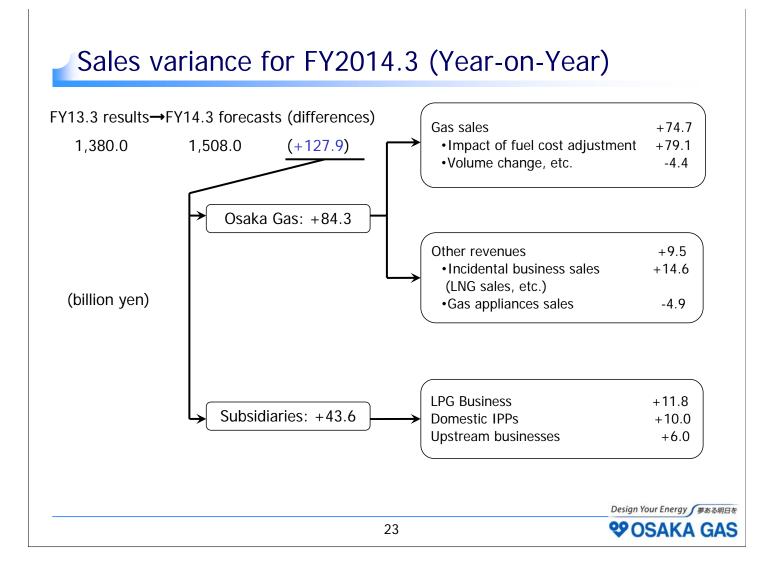
Results for FY2013.3 by Segments

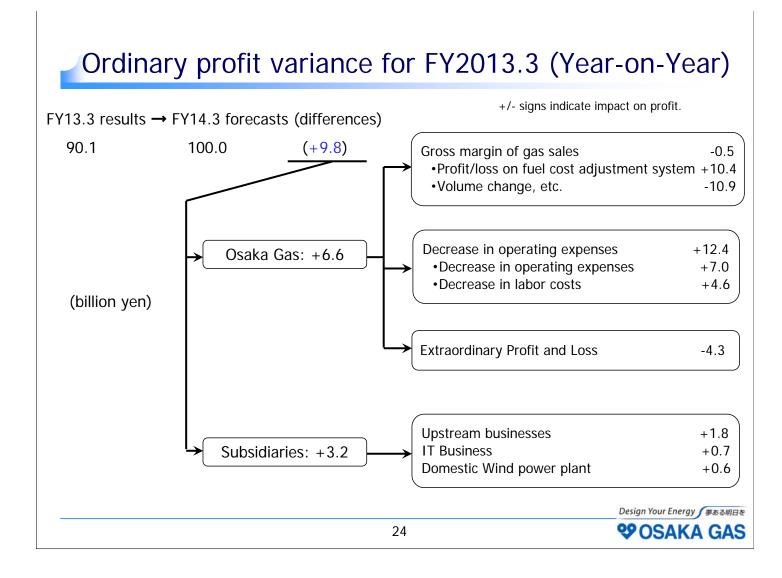
(billion yen)	Operating	revenues	Operating equity met	g profit + hod earnings	Remarks
	FY13.3	FY12.3	FY13.3	FY12.3	
Gas	1,038.5	976.5	23.3	20.9	Revenues: Rise in the price of gas sales
					Profit: Decrease in loss on fuel cost adjustment system
LPG, electricity, and other energies	215.5	198.0	38.2	32.4	Revenues: Increase in LNG and electric power sales, etc. <u>Profit</u> : Increase in electric power sales, etc. <u>Electric power business profit</u> ^(*) FY12.3:20.6, FY13.3:25.2
International energies	10.7	11.1	7.6	8.6	Decrease in profit from the LNG terminal in Spain and IPP in the US.
Environment and non-energies	185.6	184.5	19.0	18.5	<u>Revenues</u> : Increase in sales of chemical business, etc. <u>Profit</u> : Increase in profit of fitness business, etc.
Elimination/ consolidation	-70.4	-75.5	2.7	2.2	
Consolidated	1,380.0	1,294.7	91.1	82.9	
(*) Profit from electricity bus	iness represents o	perating income e	arned by Osaka G	as's related electr	ricity business. Design Your Energy 夢ある明日を
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Results of Investments for expansion, greenfield, and M&A in FY2013.3

Cumulative amount approved for investment from FY2010.3 onwards are ¥332 billion (83% of the amount originally projected for the period between FY2010.3 and FY2014.3).

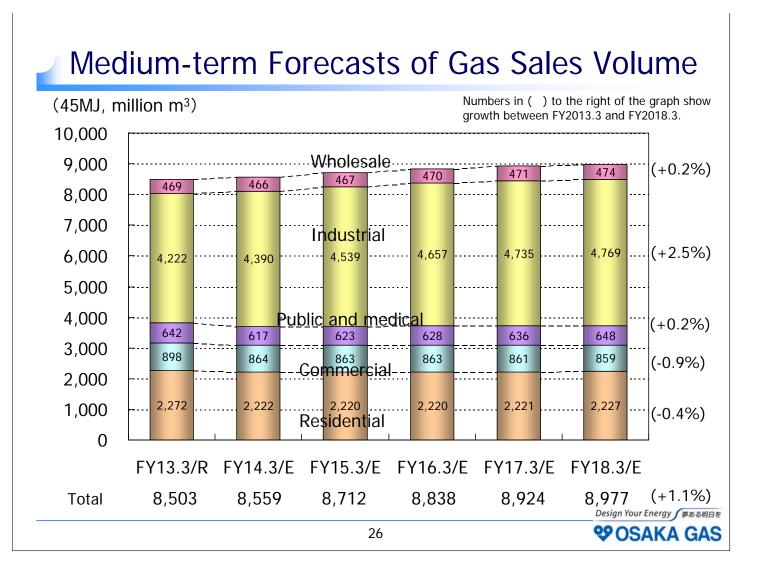




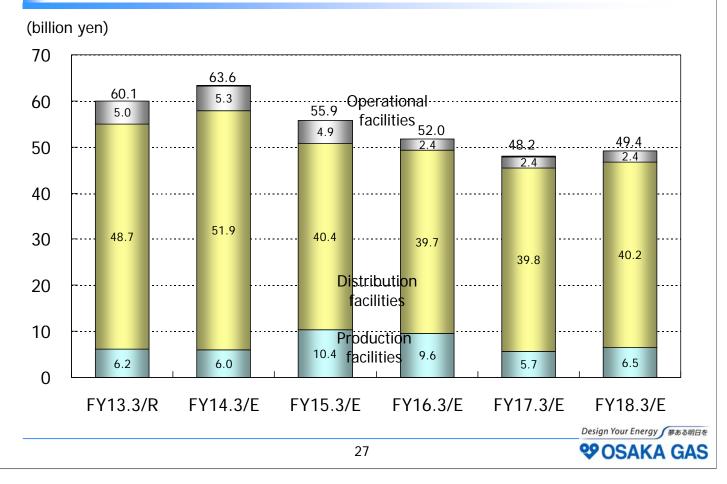


Forecasts for FY2014.3 by Segments

(billion yen)	Operating	revenues	Operating profit + equity method earnings		Remarks
	FY14.3 forecasts	FY13.3 results	FY14.3 forecasts	FY13.3 results	
Gas	1,084.0	1,038.5	34.3	23.3	<u>Revenues</u> : Rise in the price of gas sales <u>Profit</u> : Decrease in loss on fuel cost adjustment system
LPG, electricity, and other energies	258.0	215.5	38.9	38.2	<u>Revenues</u> : Rise in the price of LNG and LPG sales, etc. <u>Profit</u> : Increase in gross margin of LNG and LPG sales, etc.
International energies	17.5	10.7	9.4	7.6	Mainly increase in profit from upstream businesses
Environment and non- energies	199.5	185.6	20.1	19.0	<u>Revenues</u> : Increase in sales of real estate business, etc. <u>Profit</u> : Increase in profit of IT business, etc.
Elimination/ consolidation	-51.0	-70.4	2.9	2.7	
Consolidated	1,508.0	1,380.0	105.6	91.1	
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Medium-term Forecasts of Capital Expenditures



Residential Gas Sales

FY2013.3 results

	YoY change	Remarks
Number of customers	+0.3%	
Influence of temperature	+0.0%	Average annual temperature: 16.7 degrees Celsius (16.9 degrees Celsius in FY2012.3)
Others	- 0.3%	
Total	+0.1%	



FY2014.3 forecasts

 Residential gas sales volume is expected to decrease from the previous year by 51 million m³ (down 2.2% YoY) to 2,222 million m³, assuming that temperatures will be the same as usual years and will become higher than the previous year.

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Commercial Gas Sales

FY2013.3 results

	YoY change	Remarks
Demand development	+0.9%	New contracts with public/medical institutions
Impact of change in number of hot/cold days	+0.4%	Increase in heating demand supported by colder weather in the second half of the year
Others	- 3.6%	Customer's energy-saving consciousness, etc.
Total	- 2.2%	



FY2014.3 forecasts

 Commercial gas sales volume is expected to decrease by 59 million m³ (down 3.8% YoY) to 1,481 million m³, assuming that temperatures will be the same as usual years and customers will make energy-saving efforts.



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Industrial Gas Sales

FY2013.3 results

	YoY	Remarks
	change	
Demand	+2.4%	New contracts
development		
Increase/	- 5.4%	Decreased operation
decrease of		of customers' facilities,
operating rates		etc.
Total	- 3.1%	

Breakdown	by	sectors
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(45MJ, million m³)

	Volume	Percen- tage to total sales volume	Y-o-Y
Machinery	376	8.9%	100.6%
Metal	1,011	23.9%	92.9%
Glass	335	7.9%	99.6%
Chemical	1,166	27.6%	102.6%
Food	520	12.3%	100.5%



FY2014.3 forecasts

Industrial gas sales volume is expected to increase by 169 million m³ (up 4.0% YoY) to 4,390 million m³ supported by the development of new demand by continuing to encourage customers to shift from oil and other fuels to natural gas, and increased operation of customers' facilities.

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Monthly Gas Sales for FY2013.3

Change from the same month the previous year (%)

100.7 99.1	98.0	90.0	102.6	101.6	88.8	87.3	111.9	117.7	105.3	96.1	91.5	100.1
99.1	07.5									70.1	71.0	
	97.5	90.7	90.2	96.2	101.2	95.3	102.2	110.8	106.9	94.5	91.6	97.8
99.6	102.8	100.6	102.4	96.7	96.1	98.3	99.2	98.9	88.7	88.7	93.9	96.9
121.2	109.2	111.2	118.4	104.6	105.4	106.4	104.5	95.3	94.1	81.0	75.2	100.6
96.4	102.5	104.3	102.6	96.9	95.1	88.6	85.0	86.0	85.8	82.9	90.9	92.9
100.5	97.1	99.4	100.0	99.5	100.9	94.8	107.0	101.6	100.2	95.1	99.7	99.6
99.6	100.5	99.2	104.1	103.3	100.2	102.6	102.0	103.3	101.1	94.3	96.0	100.5
96.1	102.5	101.0	105.8	102.3	102.0	96.8	99.0	119.2	101.3	102.9	103.1	102.6
96.7	92.8	93.2	108.4	90.5	92.1	111.2	100.9	103.6	94.8	96.6	95.5	97.7
99.8	100.0	96.1	100.1	96.8	96.2	96.4	102.8	106.5	98.0	92.6	92.8	97.9
	21.2 96.4 00.5 99.6 96.1 96.7	21.2 109.2 96.4 102.5 00.5 97.1 99.6 100.5 96.1 102.5 96.7 92.8	21.2109.2111.296.4102.5104.300.597.199.499.6100.599.296.1102.5101.096.792.893.2	21.2109.2111.2118.496.4102.5104.3102.600.597.199.4100.099.6100.599.2104.196.1102.5101.0105.896.792.893.2108.4	21.2109.2111.2118.4104.696.4102.5104.3102.696.900.597.199.4100.099.599.6100.599.2104.1103.396.1102.5101.0105.8102.396.792.893.2108.490.5	21.2109.2111.2118.4104.6105.496.4102.5104.3102.696.995.100.597.199.4100.099.5100.999.6100.599.2104.1103.3100.296.1102.5101.0105.8102.3102.096.792.893.2108.490.592.1	21.2109.2111.2118.4104.6105.4106.496.4102.5104.3102.696.995.188.600.597.199.4100.099.5100.994.899.6100.599.2104.1103.3100.2102.696.1102.5101.0105.8102.3102.096.896.792.893.2108.490.592.1111.2	21.2109.2111.2118.4104.6105.4106.4104.596.4102.5104.3102.696.995.188.685.000.597.199.4100.099.5100.994.8107.099.6100.599.2104.1103.3100.2102.6102.096.1102.5101.0105.8102.3102.096.899.096.792.893.2108.490.592.1111.2100.9	21.2109.2111.2118.4104.6105.4106.4104.595.396.4102.5104.3102.696.995.188.685.086.0100.597.199.4100.099.5100.994.8107.0101.699.6100.599.2104.1103.3100.2102.6102.0103.396.1102.5101.0105.8102.3102.096.899.0119.296.792.893.2108.490.592.1111.2100.9103.6	21.2109.2111.2118.4104.6105.4106.4104.595.394.196.4102.5104.3102.696.995.188.685.086.085.8100.597.199.4100.099.5100.994.8107.0101.6100.299.6100.599.2104.1103.3100.2102.6102.0103.3101.196.1102.5101.0105.8102.3102.096.899.0119.2101.396.792.893.2108.490.592.1111.2100.9103.694.8	21.2109.2111.2118.4104.6105.4106.4104.595.394.181.096.4102.5104.3102.696.995.188.685.086.085.882.9100.597.199.4100.099.5100.994.8107.0101.6100.295.199.6100.599.2104.1103.3100.2102.6102.0103.3101.194.396.1102.5101.0105.8102.3102.096.899.0119.2101.3102.996.792.893.2108.490.592.1111.2100.9103.694.896.6	21.2109.2111.2118.4104.6105.4106.4104.595.394.181.075.296.4102.5104.3102.696.995.188.685.086.085.882.990.9100.597.199.4100.099.5100.994.8107.0101.6100.295.199.799.6100.599.2104.1103.3100.2102.6102.0103.3101.194.396.096.1102.5101.0105.8102.3102.096.899.0119.2101.3102.9103.196.792.893.2108.490.592.1111.2100.9103.694.896.695.5

- Atmospheric and water temperatures
 - A 1 degree Celsius change in atmospheric and water temperatures will affect the residential gas sales volume: increase/decrease of approx. 5% in spring and autumn, approx. 6% in summer, and approx. 4% in winter.
- Crude oil prices
 - LNG prices are linked to crude oil prices. A \$1/bbl. change in crude oil prices will have an effect of approx. 1.1 billion yen on annual ordinary profit.
- Foreign exchange rate
 - LNG prices are affected by fluctuations in the US\$/JPY exchange rate. A 1 yen fluctuation in the US\$/JPY exchange rate will have an effect of approx. 1.5 billion yen on annual ordinary profit.
- Materials costs
 - Although the materials cost adjustment system allows us to reflect changes in materials costs in gas rates in the medium- and long-term, an increase in materials costs is likely to affect business results due to a time lag in reflecting cost fluctuations, and also depends on the composition of materials suppliers.
- Interest rate
 - A 1% change in the interest rate will have an effect of approx. 500 million yen on annual consolidated non-operating expenses.



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