

Household Expenditure on Energy

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Content



Background



Coverage



Data Collection



Survey Content



Sample Design



Major Findings

Background

-  National Statistical Office (NSO) first conducted the Household Energy Consumption Survey in 1984
-  The questionnaire was attached to the Labor Force Survey and continually conducted for 2 years
-  In 1986, the survey items were a part of expenditure questionnaire of the Household Socio-Economic Survey (HSES)
-  SES was conducted every 2 years, and from 2006 onwards NSO has conducted the survey annually

Coverage

-  Covered all private, noninstitution households residing in all provinces
-  Both municipal and non-municipal areas
-  Excluding households of foreign diplomats and other temporary residents

Data Collection

- Collected by an interviewing method every month
- The reference period is the month before the month in which the interview was conducted
- For example, an interview was taken place in July, 2017; hence, the reference period referred to “1st to 30th June, 2017”

Survey Content

-  General information of household members such as, number of household member, sex, age, education, marital status, employment, etc.
-  Household expenditure includes consumption expenditure and non-consumption expenditure
-  Expenditure on energy includes expenditure on petroleum products and other products
-  Household appliances and vehicles

Sample Design



Stratified Two-stage Sampling



Provinces were considered to be constituted strata, altogether 77 strata



Each stratum was divided into municipal areas and non-municipal areas



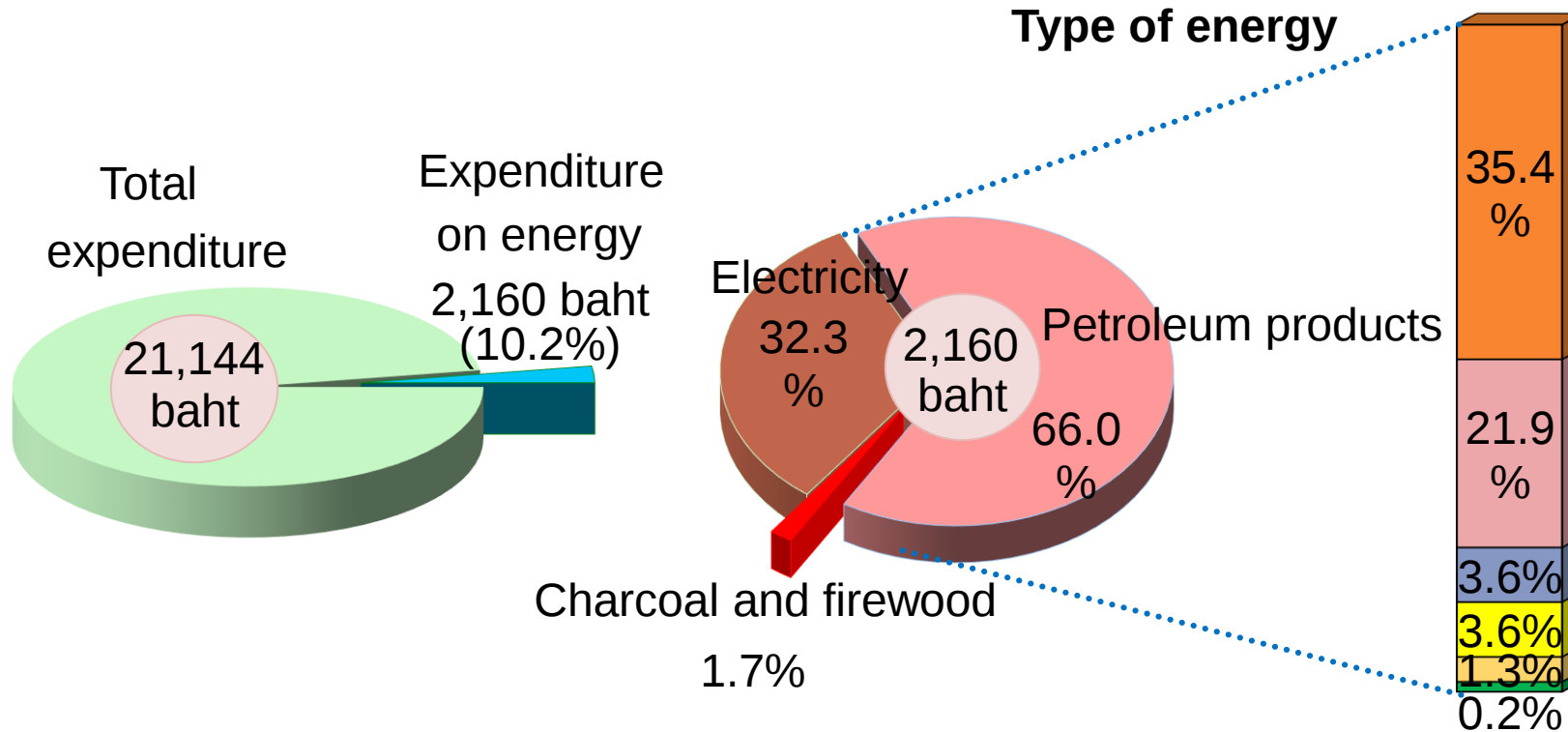
The primary sampling unit was enumeration area (EA)



Private households were the ultimate sampling unit (52,000 households)

Major Findings

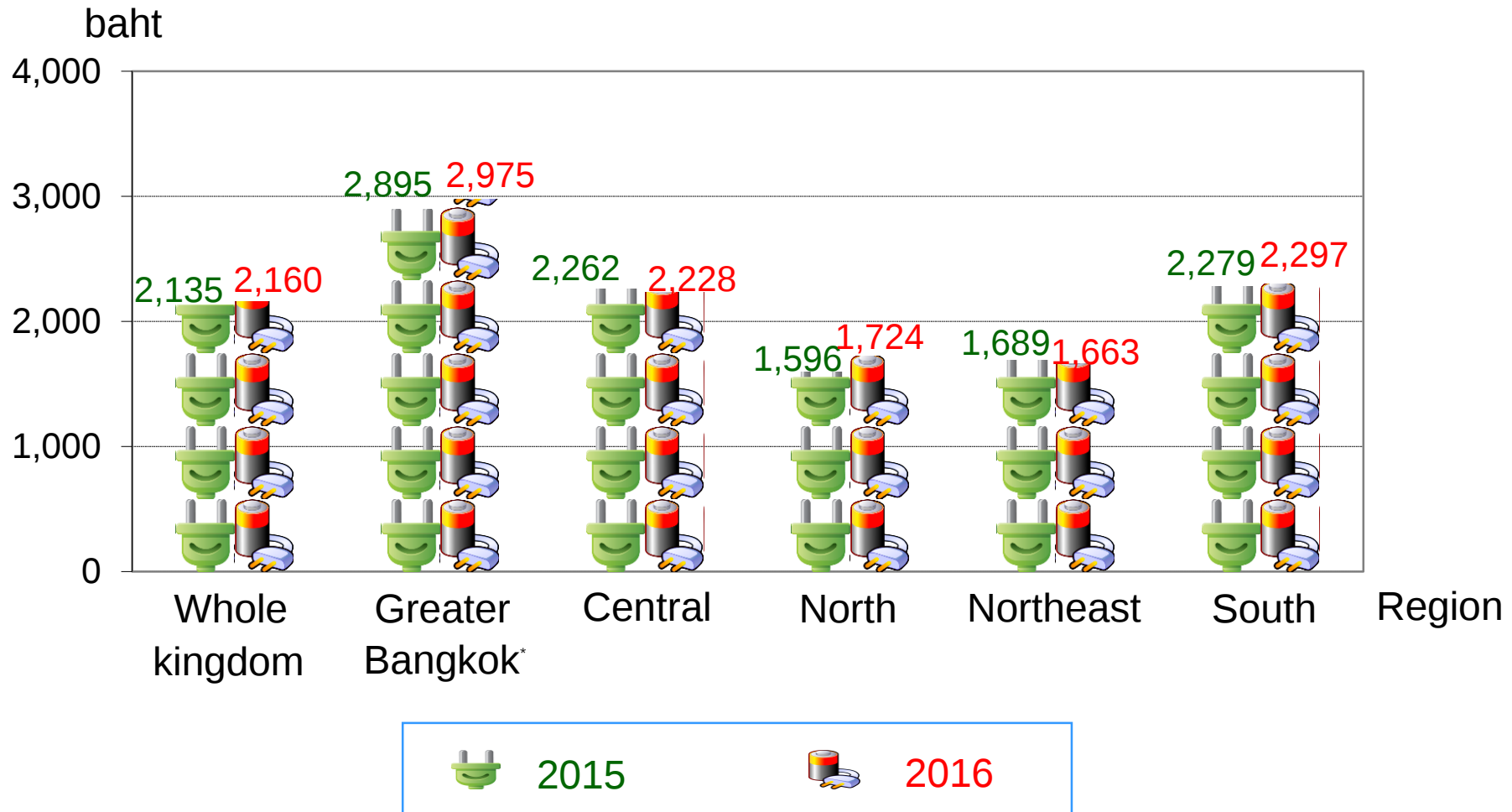
Average monthly household expenditure on energy by type of energy, 2016



- | | |
|----------|--|
| Gasohol | Gas used in households |
| Diesel | Gas for vehicles |
| Gasoline | Biodiesel and other alternative energy |

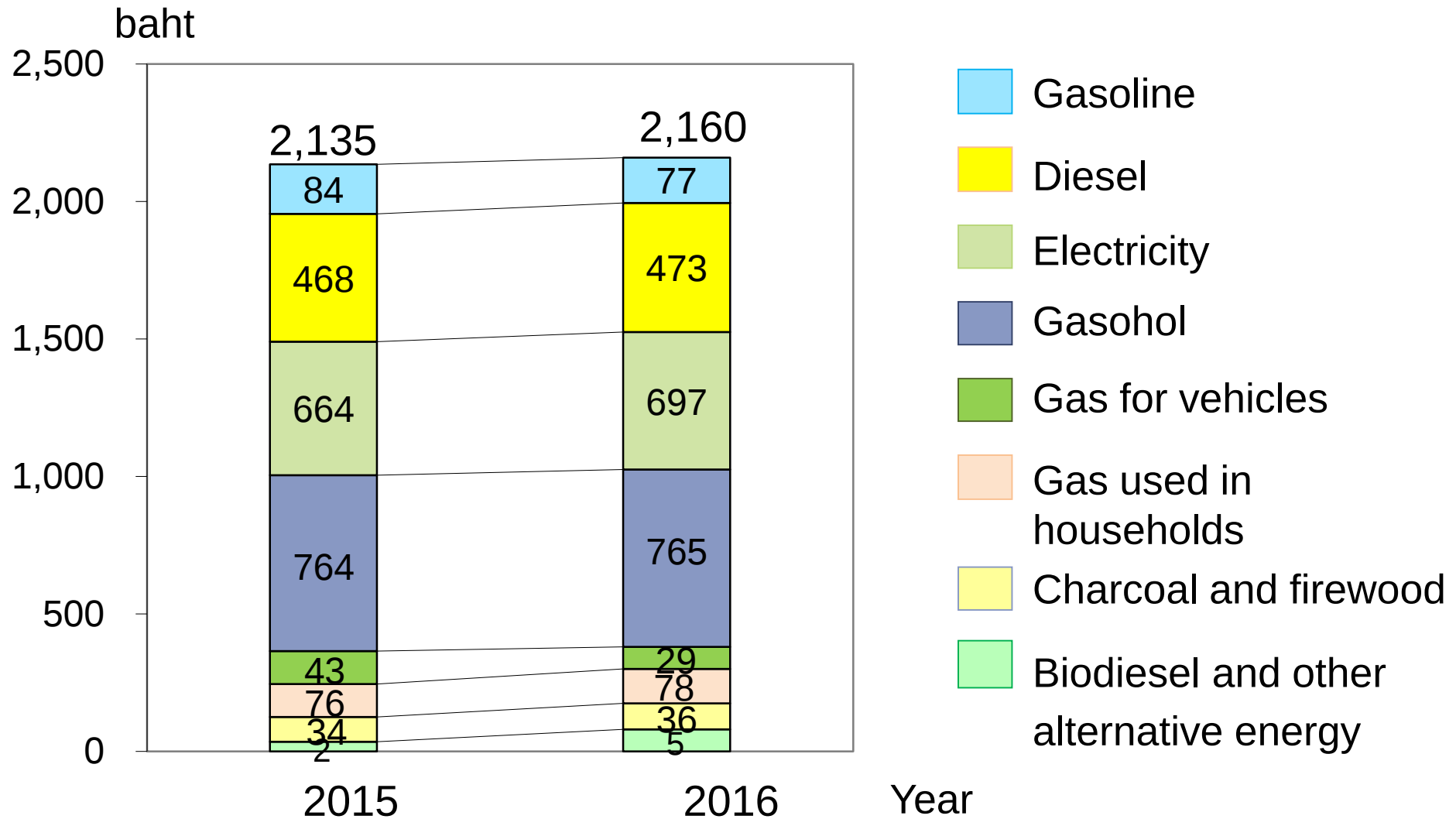
Major Findings

Comparing average monthly household expenditure on energy by region: 2015 - 2016



Major Findings

Comparing average monthly household expenditure on energy by type of energy: 2015 - 2016



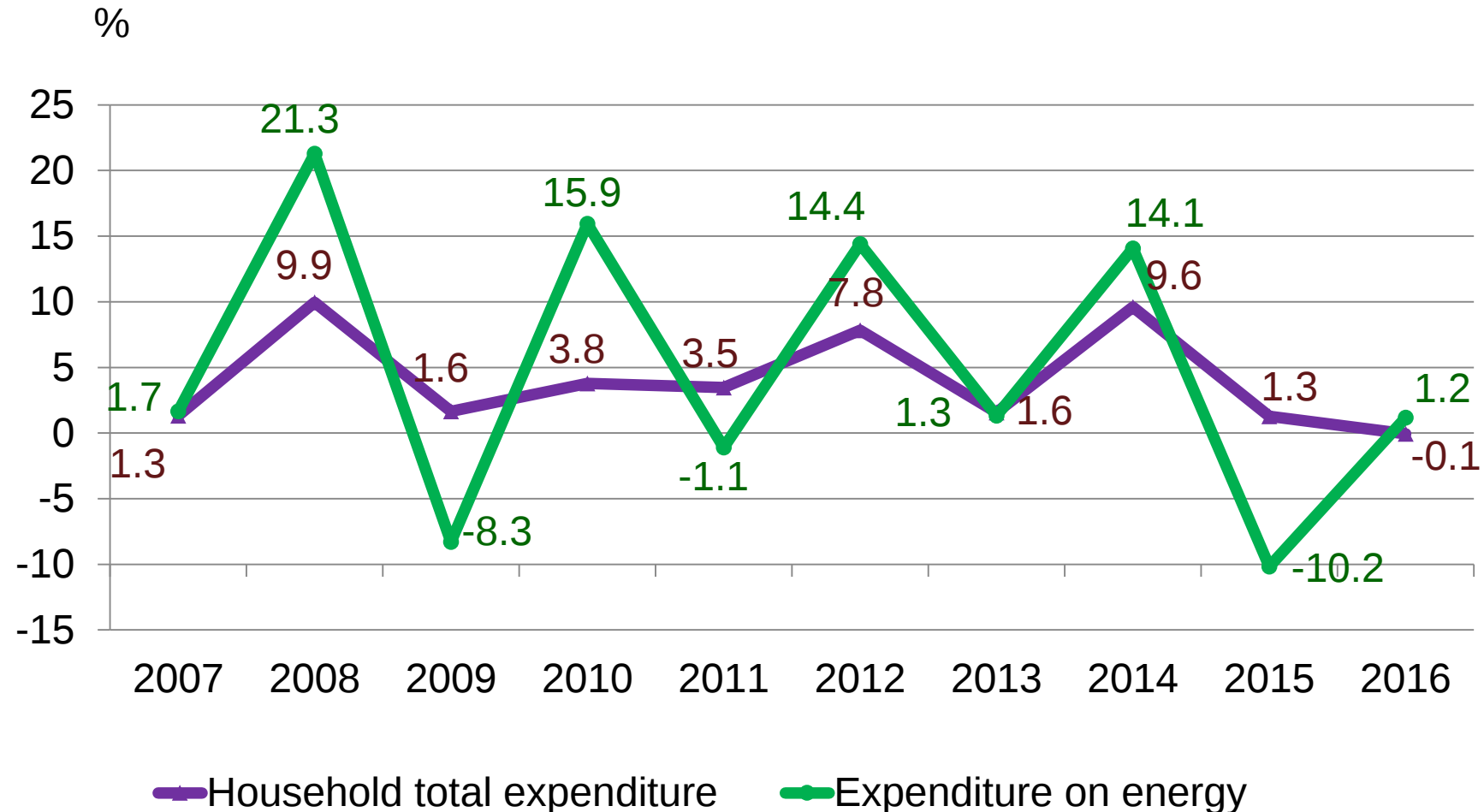
Major Findings

Share of monthly household expenditure on energy by type of energy and household expenditure quintile, 2016

Item	Overall	Household expenditure quintile				
		1st group	2nd group	3rd group	4th group	5th group
Total expenditure on energy (baht)	2,160	601	1,112	1,616	2,473	4,997
Share of expenditure on energy	100.0	100.0	100.0	100.0	100.0	100.0
Petroleum products	66.0	47.9	59.9	64.6	68.6	68.9
Gasoline	36	4.2	4.0	3.6	3.6	3.4
Diesel	21.9	4.6	13.6	21.1	27.2	23.5
Gasohol	35.4	34.6	36.1	34.1	32.4	37.2
Gas for vehicles	1.3	0.0	0.4	0.6	1.1	2.2
Gas used in households	3.6	4.5	5.7	5.1	4.1	2.3
Biodiesel and other alternative energy	0.2	0.0	0.1	0.1	0.2	0.3
Other products	34.0	52.1	40.1	35.4	31.4	31.1
Electricity	32.3	43.1	35.6	33.1	30.5	30.8
Charcoal and firewood	1.7	9.0	4.5	2.3	0.9	0.3

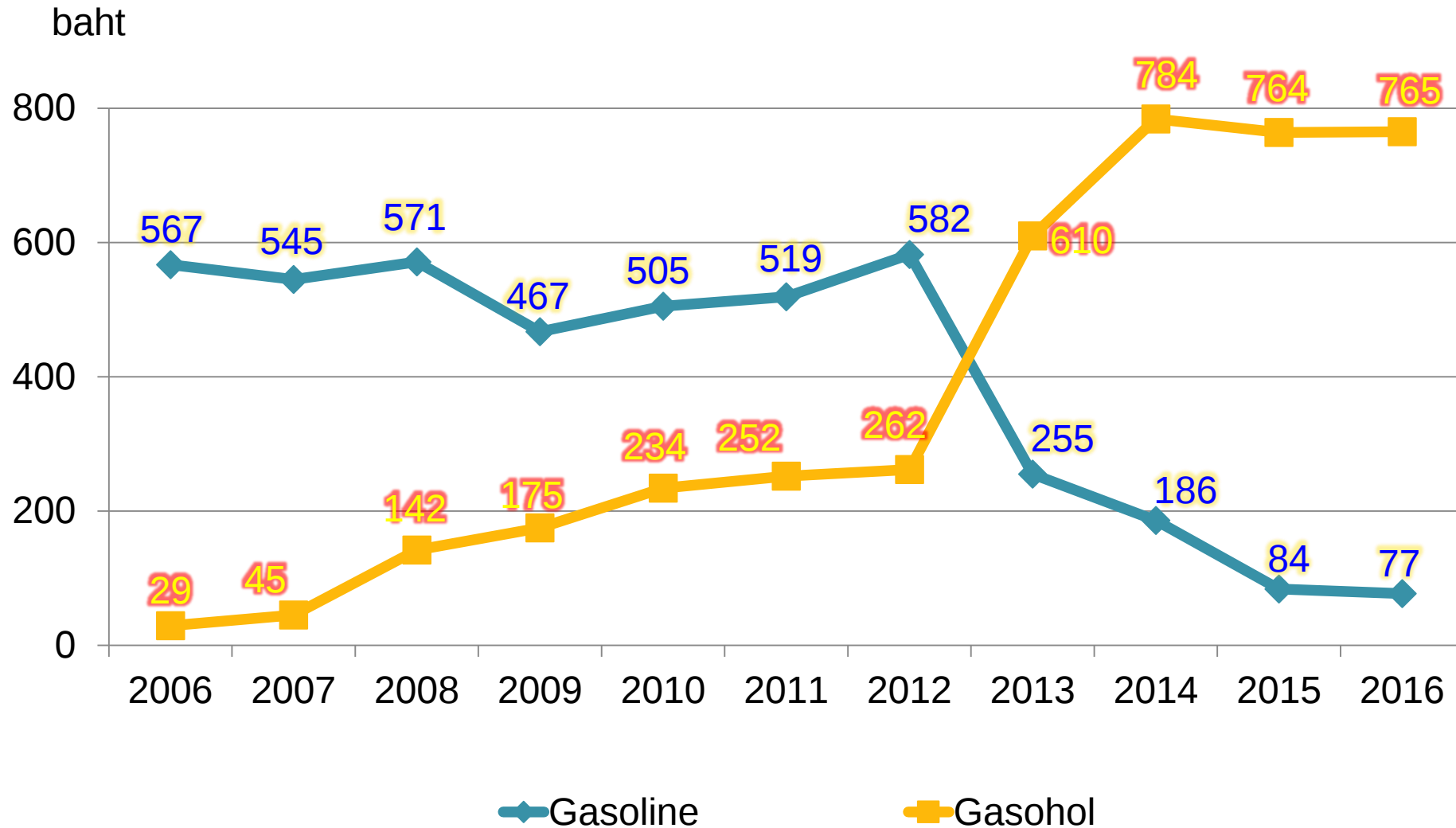
Major Findings

Percentage change of household total expenditure and expenditure on energy, 2007-2016



Major Findings

Comparing expenditure on gasoline and gasohol, 2006 - 2016



Thank
you!

