

**Attached Table 1 World primary energy consumption (by region)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
North America	<b>1,735</b> (35.3)	<b>2,595</b> (25.3)	<b>2,708</b> (24.2)	<b>3,036</b> (22.4)	<b>3,355</b> (21.1)	1.2	0.7	1.1	1.0	1.0
Central and South America	<b>202</b> (4.1)	<b>540</b> (5.3)	<b>609</b> (5.4)	<b>789</b> (5.8)	<b>1,012</b> (6.4)	3.0	2.0	2.6	2.5	2.4
OECD Europe	<b>1,266</b> (25.7)	<b>2,102</b> (20.5)	<b>1,920</b> (17.1)	<b>2,068</b> (15.3)	<b>2,215</b> (13.9)	1.5	-1.5	0.7	0.7	0.2
Non-OECD Europe	<b>851</b> (17.3)	<b>1,066</b> (10.4)	<b>1,179</b> (10.5)	<b>1,421</b> (10.5)	<b>1,543</b> (9.7)	0.7	1.7	1.9	0.8	1.4
Africa	<b>76</b> (1.5)	<b>287</b> (2.8)	<b>299</b> (2.7)	<b>386</b> (2.8)	<b>491</b> (3.1)	4.1	0.7	2.6	2.4	2.1
Middle East	<b>51</b> (1.0)	<b>445</b> (4.3)	<b>494</b> (4.4)	<b>652</b> (4.8)	<b>825</b> (5.2)	6.8	1.8	2.8	2.4	2.4
Asia	<b>669</b> (13.6)	<b>3,063</b> (29.9)	<b>3,828</b> (34.2)	<b>5,007</b> (36.9)	<b>6,209</b> (39.1)	4.7	3.8	2.7	2.2	2.8
China	<b>237</b> (4.8)	<b>1,389</b> (13.6)	<b>1,869</b> (16.7)	<b>2,416</b> (17.8)	<b>2,857</b> (18.0)	5.5	5.1	2.6	1.7	2.8
Japan	<b>269</b> (5.5)	<b>533</b> (5.2)	<b>536</b> (4.8)	<b>542</b> (4.0)	<b>530</b> (3.3)	2.1	0.1	0.1	-0.2	-0.0
India	<b>61</b> (1.2)	<b>358</b> (3.5)	<b>456</b> (4.1)	<b>692</b> (5.1)	<b>1,005</b> (6.3)	5.5	4.1	4.3	3.8	4.0
Other Asian countries	<b>101</b> (2.1)	<b>782</b> (7.6)	<b>966</b> (8.6)	<b>1,357</b> (10.0)	<b>1,816</b> (11.4)	6.4	3.6	3.4	3.0	3.3
Oceania	<b>59</b> (1.2)	<b>133</b> (1.3)	<b>146</b> (1.3)	<b>173</b> (1.3)	<b>203</b> (1.3)	2.5	1.6	1.7	1.6	1.6
Other regions	<b>9</b> (0.2)	<b>16</b> (0.2)	<b>18</b> (0.2)	<b>22</b> (0.2)	<b>27</b> (0.2)	1.7	2.1	1.9	2.1	2.0
OECD country total	<b>3,391</b> (68.9)	<b>5,742</b> (56.0)	<b>5,738</b> (51.2)	<b>6,350</b> (46.8)	<b>6,934</b> (43.7)	1.6	-0.0	1.0	0.9	0.7
Non-OECD country total	<b>1,528</b> (31.1)	<b>4,504</b> (44.0)	<b>5,463</b> (48.8)	<b>7,204</b> (53.2)	<b>8,946</b> (56.3)	3.3	3.3	2.8	2.2	2.7
World total	<b>4,919</b> (100.0)	<b>10,246</b> (100.0)	<b>11,201</b> (100.0)	<b>13,554</b> (100.0)	<b>15,880</b> (100.0)	2.2	1.5	1.9	1.6	1.7

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 2 Primary energy consumption in Asia (by region)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>237</b> (35.5)	<b>1,389</b> (45.3)	<b>1,869</b> (48.8)	<b>2,416</b> (48.3)	<b>2,857</b> (46.0)	5.5	5.1	2.6	1.7	2.8
Japan	<b>269</b> (40.3)	<b>533</b> (17.4)	<b>536</b> (14.0)	<b>542</b> (10.8)	<b>530</b> (8.5)	2.1	0.1	0.1	-0.2	-0.0
South Korea	<b>17</b> (2.5)	<b>213</b> (7.0)	<b>241</b> (6.3)	<b>296</b> (5.9)	<b>339</b> (5.5)	8.0	2.1	2.1	1.4	1.8
India	<b>61</b> (9.1)	<b>358</b> (11.7)	<b>456</b> (11.9)	<b>692</b> (13.8)	<b>1,005</b> (16.2)	5.5	4.1	4.3	3.8	4.0
Indonesia	<b>9</b> (1.3)	<b>127</b> (4.1)	<b>152</b> (4.0)	<b>219</b> (4.4)	<b>316</b> (5.1)	8.4	3.0	3.7	3.8	3.6
Taiwan	<b>11</b> (1.6)	<b>103</b> (3.4)	<b>113</b> (3.0)	<b>144</b> (2.9)	<b>174</b> (2.8)	7.2	1.6	2.4	1.9	2.0
Singapore	<b>3</b> (0.4)	<b>26</b> (0.8)	<b>29</b> (0.8)	<b>38</b> (0.8)	<b>51</b> (0.8)	6.8	2.3	2.7	2.9	2.7
Malaysia	<b>5</b> (0.7)	<b>54</b> (1.8)	<b>103</b> (2.7)	<b>141</b> (2.8)	<b>171</b> (2.8)	7.6	11.4	3.2	1.9	4.5
Philippines	<b>9</b> (1.3)	<b>34</b> (1.1)	<b>45</b> (1.2)	<b>68</b> (1.3)	<b>98</b> (1.6)	4.2	4.8	4.3	3.8	4.2
Thailand	<b>7</b> (1.0)	<b>81</b> (2.7)	<b>100</b> (2.6)	<b>159</b> (3.2)	<b>233</b> (3.8)	7.9	3.6	4.7	3.9	4.1
Vietnam	<b>7.3</b> (1.1)	<b>27</b> (0.9)	<b>28</b> (0.7)	<b>48</b> (1.0)	<b>81</b> (1.3)	4.0	1.0	5.5	5.3	4.4
Hong Kong	<b>3</b> (0.5)	<b>17</b> (0.6)	<b>18</b> (0.5)	<b>21</b> (0.4)	<b>25</b> (0.4)	5.0	1.1	1.5	1.6	1.4
Other Asian countries	<b>31</b> (4.7)	<b>101</b> (3.3)	<b>136</b> (3.6)	<b>223</b> (4.5)	<b>328</b> (5.3)	3.6	5.1	5.1	3.9	4.6
Asian total	<b>669</b> (100.0)	<b>3,063</b> (100.0)	<b>3,828</b> (100.0)	<b>5,007</b> (100.0)	<b>6,209</b> (100.0)	4.7	3.8	2.7	2.2	2.8
Asia (exc. Japan)	<b>400</b> (59.7)	<b>2,529</b> (82.6)	<b>3,292</b> (86.0)	<b>4,465</b> (89.2)	<b>5,679</b> (91.5)	5.7	4.5	3.1	2.4	3.2

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 3 Primary energy consumption in the world and Asia  
(by energy source)**

**World**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
Coal	1,438 (29.2)	2,804 (27.4)	3,210 (28.7)	3,724 (27.5)	4,260 (26.8)	2.0	2.3	1.5	1.4	1.6
Oil	2,342 (47.6)	3,849 (37.6)	3,988 (35.6)	4,794 (35.4)	5,633 (35.5)	1.5	0.6	1.9	1.6	1.5
Natural gas	895 (18.2)	2,369 (23.1)	2,633 (23.5)	3,405 (25.1)	4,117 (25.9)	3.0	1.8	2.6	1.9	2.1
Hydro	104 (2.1)	240 (2.3)	272 (2.4)	318 (2.3)	355 (2.2)	2.6	2.1	1.6	1.1	1.5
Geothermal	4 (0.1)	46 (0.4)	54 (0.5)	82 (0.6)	113 (0.7)	7.5	3.0	4.2	3.2	3.6
Nuclear	29 (0.6)	735 (7.2)	753 (6.7)	851 (6.3)	920 (5.8)	10.3	0.4	1.2	0.8	0.9
Other renewables	76 (1.5)	203 (2.0)	283 (2.5)	375 (2.8)	479 (3.0)	3.0	5.7	2.8	2.5	3.3
World total	4,919 (100.0)	10,246 (100.0)	11,201 (100.0)	13,554 (100.0)	15,880 (100.0)	2.2	1.5	1.9	1.6	1.7
GDP (billions of US dollars at 2000 value)	12,970	35,945	43,813	59,650	79,068	3.1	3.4	3.1	2.9	3.1
GDP intensity (TPES/GDP) (1971=100)	100.0	75.2	67.4	59.9	53.0	-0.9	-1.8	-1.2	-1.2	-1.3
CO2 emissions (Mt-C)	3,927	7,354	8,126	9,767	11,390	1.9	1.7	1.9	1.5	1.7

**Asia**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
Coal	312 (46.6)	1,475 (48.2)	1,849 (48.3)	2,245 (44.8)	2,579 (41.5)	4.8	3.8	2.0	1.4	2.2
Oil	329 (49.2)	1,069 (34.9)	1,243 (32.5)	1,650 (33.0)	2,105 (33.9)	3.6	2.5	2.9	2.5	2.6
Natural gas	11 (1.7)	300 (9.8)	417 (10.9)	632 (12.6)	890 (14.3)	10.5	5.7	4.2	3.5	4.3
Hydro	15 (2.2)	55 (1.8)	67 (1.8)	89 (1.8)	100 (1.6)	4.1	3.2	2.9	1.2	2.3
Geothermal	0 (0.0)	18 (0.6)	18 (0.5)	25 (0.5)	31 (0.5)	-	0.3	3.4	2.1	2.2
Nuclear	2 (0.4)	136 (4.4)	195 (5.1)	284 (5.7)	357 (5.7)	13.0	6.1	3.9	2.3	3.8
Other renewables	0 (0.0)	10 (0.3)	39 (1.0)	86 (1.7)	156 (2.5)	-227.3	25.8	8.2	6.1	11.2
World total	669 (100.0)	3,063 (100.0)	3,828 (100.0)	5,007 (100.0)	6,209 (100.0)	4.7	3.8	2.7	2.2	2.8
GDP (billions of US dollars at 2000 value)	2,506	9,845	13,017	18,960	26,523	4.2	4.8	3.8	3.4	3.9
GDP intensity (TPES/GDP) (1971=100)	100.0	116.4	110.1	98.8	87.6	0.5	-0.9	-1.1	-1.2	-1.1
CO2 emissions (Mt-C)	589	2,526	3,157	4,015	4,843	4.5	3.8	2.4	1.9	2.5

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 4 Final energy consumption in Asia**

(Unit: Mtoe)

		Actual		Forecast			AAGR(%)				
		1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
Sector	Industry	<b>268</b> (53.1)	<b>920</b> (48.7)	<b>1,045</b> (47.0)	<b>1,241</b> (42.7)	<b>1,418</b> (39.0)	3.8	2.1	1.7	1.3	1.7
	Residential/Commercial	<b>137</b> (27.3)	<b>498</b> (26.4)	<b>615</b> (27.7)	<b>872</b> (30.0)	<b>1,163</b> (32.0)	4.0	3.6	3.5	2.9	3.3
	Transportation	<b>86</b> (17.1)	<b>394</b> (20.8)	<b>491</b> (22.1)	<b>698</b> (24.0)	<b>941</b> (25.8)	4.7	3.7	3.6	3.0	3.4
	Non-energy etc.	<b>13</b> (2.6)	<b>77</b> (4.1)	<b>85</b> (3.8)	<b>108</b> (3.7)	<b>130</b> (3.6)	5.5	1.7	2.4	1.9	2.0
Energy	Coal	<b>200</b> (39.6)	<b>469</b> (24.8)	<b>441</b> (19.8)	<b>435</b> (15.0)	<b>401</b> (11.0)	2.6	-1.0	-0.1	-0.8	-0.6
	Oil	<b>244</b> (48.4)	<b>882</b> (46.7)	<b>1,056</b> (47.5)	<b>1,418</b> (48.8)	<b>1,823</b> (50.1)	4.0	3.1	3.0	2.5	2.8
	Natural Gas	<b>11</b> (2.1)	<b>127</b> (6.7)	<b>168</b> (7.6)	<b>256</b> (8.8)	<b>367</b> (10.1)	7.8	4.8	4.3	3.7	4.2
	Electricity	<b>50</b> (9.9)	<b>364</b> (19.3)	<b>483</b> (21.7)	<b>687</b> (23.6)	<b>910</b> (25.0)	6.2	4.8	3.6	2.8	3.6
	Heat	<b>0</b> (0.0)	<b>42</b> (2.2)	<b>71</b> (3.2)	<b>105</b> (3.6)	<b>133</b> (3.7)	-	9.1	4.0	2.5	4.5
	Renewables	<b>0</b> (0.0)	<b>5</b> (0.2)	<b>5</b> (0.2)	<b>6</b> (0.2)	<b>6</b> (0.2)	-	0.3	1.8	0.4	0.9
Asian Total		<b>504</b> (100.0)	<b>1,888</b> (100.0)	<b>2,224</b> (100.0)	<b>2,906</b> (100.0)	<b>3,639</b> (100.0)	4.1	2.8	2.7	2.3	2.6

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 5 Power generation in Asia**

(Unit: TWh)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
Coal	<b>179</b> (26.8)	<b>2,878</b> (55.5)	<b>4,035</b> (57.3)	<b>5,573</b> (55.7)	<b>7,213</b> (54.7)	8.8	5.8	3.3	2.6	3.6
Oil	<b>300</b> (45.0)	<b>384</b> (7.4)	<b>334</b> (4.7)	<b>351</b> (3.5)	<b>423</b> (3.2)	0.8	-2.3	0.5	1.9	0.4
Natural gas	<b>10</b> (1.5)	<b>709</b> (13.7)	<b>1,063</b> (15.1)	<b>1,756</b> (17.6)	<b>2,625</b> (19.9)	13.8	7.0	5.2	4.1	5.2
Hydro	<b>169</b> (25.3)	<b>644</b> (12.4)	<b>780</b> (11.1)	<b>1,034</b> (10.3)	<b>1,164</b> (8.8)	4.1	3.2	2.9	1.2	2.3
Geothermal	<b>0</b> (0.0)	<b>20</b> (0.4)	<b>21</b> (0.3)	<b>29</b> (0.3)	<b>36</b> (0.3)	-	0.3	3.5	2.1	2.2
Nuclear	<b>9</b> (1.4)	<b>523</b> (10.1)	<b>747</b> (10.6)	<b>1,091</b> (10.9)	<b>1,369</b> (10.4)	13.0	6.1	3.9	2.3	3.8
Other renewables	<b>0</b> (0.0)	<b>24</b> (0.5)	<b>85</b> (1.2)	<b>249</b> (2.5)	<b>541</b> (4.1)	14.7	23.4	11.3	8.1	12.7
Asian total	<b>667</b> (100.0)	<b>5,183</b> (100.0)	<b>7,045</b> (100.0)	<b>10,006</b> (100.0)	<b>13,191</b> (100.0)	6.4	5.3	3.6	2.8	3.7

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ

Note: 1. Figures in parentheses indicate percentage shares of totals.

2. Figures for other renewables, include photovoltaic generation, wind power, and other such sources.

**Attached Table 6 World primary energy consumption (Coal)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
North America	<b>295</b> (20.5)	<b>574</b> (20.5)	<b>595</b> (18.6)	<b>663</b> (17.8)	<b>857</b> (20.1)	2.0	0.6	1.1	2.6	1.6
Central and South America	<b>7</b> (0.5)	<b>26</b> (0.9)	<b>30</b> (0.9)	<b>36</b> (1.0)	<b>44</b> (1.0)	4.1	2.3	1.9	2.0	2.0
OECD Europe	<b>436</b> (30.3)	<b>367</b> (13.1)	<b>331</b> (10.3)	<b>336</b> (9.0)	<b>331</b> (7.8)	-0.5	-1.7	0.2	-0.2	-0.4
Non-OECD Europe	<b>329</b> (22.9)	<b>203</b> (7.2)	<b>257</b> (8.0)	<b>272</b> (7.3)	<b>259</b> (6.1)	-1.4	4.0	0.6	-0.5	0.9
Africa	<b>36</b> (2.5)	<b>96</b> (3.4)	<b>88</b> (2.8)	<b>93</b> (2.5)	<b>92</b> (2.2)	3.0	-1.4	0.5	-0.1	-0.2
Middle East	<b>0</b> (0.0)	<b>9</b> (0.3)	<b>6</b> (0.2)	<b>20</b> (0.5)	<b>34</b> (0.8)	11.8	-6.3	12.6	5.1	5.1
Asia	<b>312</b> (21.7)	<b>1,475</b> (52.6)	<b>1,849</b> (57.6)	<b>2,245</b> (60.3)	<b>2,579</b> (60.5)	4.8	3.8	2.0	1.4	2.2
China	<b>192</b> (13.3)	<b>993</b> (35.4)	<b>1,321</b> (41.2)	<b>1,527</b> (41.0)	<b>1,588</b> (37.3)	5.1	4.9	1.5	0.4	1.8
Japan	<b>56</b> (3.9)	<b>116</b> (4.1)	<b>105</b> (3.3)	<b>107</b> (2.9)	<b>103</b> (2.4)	2.2	-1.6	0.1	-0.4	-0.5
India	<b>36</b> (2.5)	<b>196</b> (7.0)	<b>217</b> (6.8)	<b>303</b> (8.1)	<b>432</b> (10.1)	5.3	1.8	3.4	3.6	3.1
Other Asian countries	<b>29</b> (2.0)	<b>171</b> (6.1)	<b>205</b> (6.4)	<b>308</b> (8.3)	<b>456</b> (10.7)	5.6	3.1	4.1	4.0	3.9
Oceania	<b>22</b> (1.5)	<b>51</b> (1.8)	<b>50</b> (1.6)	<b>56</b> (1.5)	<b>61</b> (1.4)	2.6	-0.4	1.1	0.9	0.7
Other regions	<b>0</b> (0.0)	<b>1</b> (0.0)	<b>2</b> (0.0)	<b>2</b> (0.1)	<b>3</b> (0.1)	3.0	4.4	3.9	4.2	4.1
OECD country total	<b>817</b> (56.8)	<b>1,166</b> (41.6)	<b>1,148</b> (35.8)	<b>1,238</b> (33.2)	<b>1,441</b> (33.8)	1.1	-0.3	0.8	1.5	0.8
Non-OECD country total	<b>621</b> (43.2)	<b>1,638</b> (58.4)	<b>2,061</b> (64.2)	<b>2,486</b> (66.8)	<b>2,818</b> (66.2)	3.0	3.9	1.9	1.3	2.1
World total	<b>1,438</b> (100.0)	<b>2,804</b> (100.0)	<b>3,210</b> (100.0)	<b>3,724</b> (100.0)	<b>4,260</b> (100.0)	2.0	2.3	1.5	1.4	1.6

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 7 Primary energy consumption in Asia (Coal)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>192</b> (61.5)	<b>993</b> (67.3)	<b>1,321</b> (71.5)	<b>1,527</b> (68.0)	<b>1,588</b> (61.6)	5.1	4.9	1.5	0.4	1.8
Japan	<b>56</b> (18.0)	<b>116</b> (7.9)	<b>105</b> (5.7)	<b>107</b> (4.8)	<b>103</b> (4.0)	2.2	-1.6	0.1	-0.4	-0.5
South Korea	<b>6</b> (2.0)	<b>50</b> (3.4)	<b>58</b> (3.1)	<b>66</b> (3.0)	<b>78</b> (3.0)	6.5	2.4	1.4	1.7	1.7
India	<b>36</b> (11.4)	<b>196</b> (13.3)	<b>217</b> (11.7)	<b>303</b> (13.5)	<b>432</b> (16.7)	5.3	1.8	3.4	3.6	3.1
Indonesia	<b>0</b> (0.0)	<b>22</b> (1.5)	<b>21</b> (1.2)	<b>39</b> (1.7)	<b>70</b> (2.7)	16.9	-0.6	6.1	6.1	4.5
Taiwan	<b>3</b> (0.8)	<b>37</b> (2.5)	<b>38</b> (2.1)	<b>60</b> (2.7)	<b>83</b> (3.2)	8.5	0.4	4.5	3.4	3.1
Singapore	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	1.7	-100.0	-	-	-100.0
Malaysia	<b>0</b> (0.0)	<b>6</b> (0.4)	<b>19</b> (1.0)	<b>30</b> (1.3)	<b>39</b> (1.5)	21.8	21.8	4.8	2.8	7.7
Philippines	<b>0</b> (0.0)	<b>5</b> (0.4)	<b>6</b> (0.4)	<b>8</b> (0.4)	<b>16</b> (0.6)	17.2	3.1	2.7	6.4	4.2
Thailand	<b>0</b> (0.0)	<b>10</b> (0.7)	<b>15</b> (0.8)	<b>30</b> (1.4)	<b>62</b> (2.4)	14.7	6.1	7.5	7.4	7.1
Vietnam	<b>1.4</b> (0.5)	<b>8</b> (0.6)	<b>7</b> (0.4)	<b>13</b> (0.6)	<b>22</b> (0.8)	5.5	-2.0	6.2	4.8	3.7
Hong Kong	<b>0</b> (0.0)	<b>7</b> (0.4)	<b>8</b> (0.5)	<b>11</b> (0.5)	<b>15</b> (0.6)	18.5	4.1	3.0	2.9	3.2
Other Asian countries	<b>18</b> (5.8)	<b>25</b> (1.7)	<b>32</b> (1.7)	<b>50</b> (2.2)	<b>71</b> (2.7)	0.9	4.5	4.5	3.6	4.2
Asian total	<b>312</b> (100.0)	<b>1,475</b> (100.0)	<b>1,849</b> (100.0)	<b>2,245</b> (100.0)	<b>2,579</b> (100.0)	4.8	3.8	2.0	1.4	2.2
Asia (exc.Japan)	<b>256</b> (82.0)	<b>1,359</b> (92.1)	<b>1,744</b> (94.3)	<b>2,138</b> (95.2)	<b>2,476</b> (96.0)	5.2	4.2	2.1	1.5	2.3

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 8 World primary energy consumption (Oil)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
North America	<b>800</b> (34.2)	<b>1,046</b> (27.2)	<b>1,050</b> (26.3)	<b>1,164</b> (24.3)	<b>1,268</b> (22.5)	0.8	0.1	1.0	0.9	0.7
Central and South America	<b>129</b> (5.5)	<b>305</b> (7.9)	<b>321</b> (8.1)	<b>387</b> (8.1)	<b>463</b> (8.2)	2.6	0.9	1.9	1.8	1.6
OECD Europe	<b>664</b> (28.3)	<b>783</b> (20.3)	<b>685</b> (17.2)	<b>723</b> (15.1)	<b>751</b> (13.3)	0.5	-2.2	0.5	0.4	-0.2
Non-OECD Europe	<b>308</b> (13.1)	<b>225</b> (5.8)	<b>235</b> (5.9)	<b>276</b> (5.8)	<b>291</b> (5.2)	-0.9	0.7	1.6	0.5	1.0
Africa	<b>35</b> (1.5)	<b>117</b> (3.0)	<b>119</b> (3.0)	<b>150</b> (3.1)	<b>189</b> (3.4)	3.7	0.4	2.3	2.4	1.9
Middle East	<b>39</b> (1.7)	<b>247</b> (6.4)	<b>272</b> (6.8)	<b>368</b> (7.7)	<b>478</b> (8.5)	5.7	1.6	3.1	2.7	2.6
Asia	<b>329</b> (14.1)	<b>1,069</b> (27.8)	<b>1,243</b> (31.2)	<b>1,650</b> (34.4)	<b>2,105</b> (37.4)	3.6	2.5	2.9	2.5	2.6
China	<b>40</b> (1.7)	<b>311</b> (8.1)	<b>410</b> (10.3)	<b>610</b> (12.7)	<b>803</b> (14.3)	6.4	4.7	4.0	2.8	3.7
Japan	<b>201</b> (8.6)	<b>255</b> (6.6)	<b>237</b> (5.9)	<b>218</b> (4.5)	<b>198</b> (3.5)	0.7	-1.2	-0.9	-0.9	-1.0
India	<b>22</b> (1.0)	<b>127</b> (3.3)	<b>174</b> (4.4)	<b>267</b> (5.6)	<b>389</b> (6.9)	5.4	5.3	4.4	3.8	4.4
Other Asian countries	<b>66</b> (2.8)	<b>376</b> (9.8)	<b>421</b> (10.6)	<b>556</b> (11.6)	<b>715</b> (12.7)	5.4	1.9	2.8	2.6	2.5
Oceania	<b>29</b> (1.2)	<b>44</b> (1.1)	<b>48</b> (1.2)	<b>58</b> (1.2)	<b>66</b> (1.2)	1.3	1.4	1.9	1.4	1.6
Other regions	<b>8</b> (0.4)	<b>14</b> (0.4)	<b>15</b> (0.4)	<b>18</b> (0.4)	<b>21</b> (0.4)	1.6	1.7	1.5	1.6	1.6
OECD country total	<b>1,730</b> (73.9)	<b>2,325</b> (60.4)	<b>2,231</b> (55.9)	<b>2,406</b> (50.2)	<b>2,555</b> (45.4)	0.9	-0.7	0.8	0.6	0.4
Non-OECD country total	<b>612</b> (26.1)	<b>1,524</b> (39.6)	<b>1,757</b> (44.1)	<b>2,388</b> (49.8)	<b>3,078</b> (54.6)	2.8	2.4	3.1	2.6	2.7
World total	<b>2,342</b> (100.0)	<b>3,849</b> (100.0)	<b>3,988</b> (100.0)	<b>4,794</b> (100.0)	<b>5,633</b> (100.0)	1.5	0.6	1.9	1.6	1.5

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 9 Primary energy consumption in Asia (Oil)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>40</b> (12.1)	<b>311</b> (29.1)	<b>410</b> (33.0)	<b>610</b> (36.9)	<b>803</b> (38.1)	6.4	4.7	4.0	2.8	3.7
Japan	<b>201</b> (61.0)	<b>255</b> (23.8)	<b>237</b> (19.1)	<b>218</b> (13.2)	<b>198</b> (9.4)	0.7	-1.2	-0.9	-0.9	-1.0
South Korea	<b>11</b> (3.2)	<b>101</b> (9.5)	<b>106</b> (8.6)	<b>120</b> (7.3)	<b>130</b> (6.2)	7.1	0.8	1.2	0.8	1.0
India	<b>22</b> (6.8)	<b>127</b> (11.9)	<b>174</b> (14.0)	<b>267</b> (16.2)	<b>389</b> (18.5)	5.4	5.3	4.4	3.8	4.4
Indonesia	<b>8</b> (2.5)	<b>64</b> (6.0)	<b>83</b> (6.7)	<b>112</b> (6.8)	<b>148</b> (7.0)	6.4	4.2	3.1	2.9	3.3
Taiwan	<b>7</b> (2.1)	<b>46</b> (4.3)	<b>46</b> (3.7)	<b>52</b> (3.2)	<b>60</b> (2.8)	6.0	0.2	1.1	1.4	1.0
Singapore	<b>3</b> (0.9)	<b>20</b> (1.9)	<b>23</b> (1.9)	<b>29</b> (1.8)	<b>37</b> (1.8)	6.0	2.3	2.3	2.5	2.3
Malaysia	<b>5</b> (1.4)	<b>27</b> (2.5)	<b>33</b> (2.7)	<b>43</b> (2.6)	<b>53</b> (2.5)	5.5	3.3	2.7	2.1	2.6
Philippines	<b>8</b> (2.5)	<b>17</b> (1.6)	<b>18</b> (1.5)	<b>28</b> (1.7)	<b>43</b> (2.0)	2.1	1.4	4.5	4.3	3.7
Thailand	<b>6</b> (1.9)	<b>46</b> (4.3)	<b>47</b> (3.8)	<b>73</b> (4.4)	<b>102</b> (4.9)	6.2	0.5	4.5	3.4	3.2
Vietnam	<b>5.8</b> (1.8)	<b>12</b> (1.1)	<b>14</b> (1.1)	<b>24</b> (1.4)	<b>38</b> (1.8)	2.2	2.8	5.3	4.6	4.5
Hong Kong	<b>3</b> (1.0)	<b>8</b> (0.8)	<b>8</b> (0.6)	<b>8</b> (0.5)	<b>8</b> (0.4)	2.7	-0.2	0.0	0.0	-0.1
Other Asian countries	<b>9</b> (2.7)	<b>34</b> (3.2)	<b>42</b> (3.3)	<b>66</b> (4.0)	<b>96</b> (4.6)	4.1	3.5	4.8	3.8	4.1
Asian total	<b>329</b> (100.0)	<b>1,069</b> (100.0)	<b>1,243</b> (100.0)	<b>1,650</b> (100.0)	<b>2,105</b> (100.0)	3.6	2.5	2.9	2.5	2.6
Asia (exc.Japan)	<b>128</b> (39.0)	<b>814</b> (76.2)	<b>1,005</b> (80.9)	<b>1,433</b> (86.8)	<b>1,907</b> (90.6)	5.8	3.6	3.6	2.9	3.3

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.



**Attached Table 10 World primary energy consumption (Gas)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
North America	<b>548</b> (61.3)	<b>593</b> (25.0)	<b>637</b> (24.2)	<b>739</b> (21.7)	<b>740</b> (18.0)	0.2	1.2	1.5	0.0	0.9
Central and South America	<b>27</b> (3.0)	<b>135</b> (5.7)	<b>170</b> (6.5)	<b>260</b> (7.6)	<b>374</b> (9.1)	5.0	4.0	4.3	3.7	4.0
OECD Europe	<b>93</b> (10.4)	<b>526</b> (22.2)	<b>503</b> (19.1)	<b>604</b> (17.8)	<b>705</b> (17.1)	5.4	-0.7	1.9	1.5	1.1
Non-OECD Europe	<b>200</b> (22.4)	<b>540</b> (22.8)	<b>584</b> (22.2)	<b>745</b> (21.9)	<b>863</b> (21.0)	3.1	1.3	2.5	1.5	1.8
Africa	<b>2</b> (0.3)	<b>63</b> (2.7)	<b>78</b> (3.0)	<b>127</b> (3.7)	<b>189</b> (4.6)	10.3	3.7	5.0	4.1	4.3
Middle East	<b>11</b> (1.2)	<b>187</b> (7.9)	<b>210</b> (8.0)	<b>257</b> (7.5)	<b>306</b> (7.4)	8.9	2.0	2.0	1.8	1.9
Asia	<b>11</b> (1.3)	<b>300</b> (12.6)	<b>417</b> (15.8)	<b>632</b> (18.6)	<b>890</b> (21.6)	10.5	5.7	4.2	3.5	4.3
China	<b>3</b> (0.4)	<b>42</b> (1.8)	<b>55</b> (2.1)	<b>108</b> (3.2)	<b>193</b> (4.7)	8.2	4.6	7.0	6.0	6.1
Japan	<b>3</b> (0.4)	<b>70</b> (3.0)	<b>74</b> (2.8)	<b>79</b> (2.3)	<b>81</b> (2.0)	9.7	0.7	0.7	0.3	0.5
India	<b>1</b> (0.1)	<b>23</b> (1.0)	<b>36</b> (1.4)	<b>68</b> (2.0)	<b>105</b> (2.6)	11.9	7.5	6.4	4.5	5.9
Other Asian countries	<b>4</b> (0.5)	<b>164</b> (6.9)	<b>253</b> (9.6)	<b>378</b> (11.1)	<b>511</b> (12.4)	11.7	7.5	4.1	3.1	4.5
Oceania	<b>2</b> (0.2)	<b>26</b> (1.1)	<b>33</b> (1.2)	<b>41</b> (1.2)	<b>50</b> (1.2)	8.3	3.7	2.2	2.0	2.5
Other regions	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>1</b> (0.0)	0.5	4.9	4.5	4.8	4.8
OECD country total	<b>655</b> (73.2)	<b>1,285</b> (54.2)	<b>1,332</b> (50.6)	<b>1,588</b> (46.6)	<b>1,746</b> (42.4)	2.1	0.6	1.8	1.0	1.2
Non-OECD country total	<b>240</b> (26.8)	<b>1,085</b> (45.8)	<b>1,301</b> (49.4)	<b>1,817</b> (53.4)	<b>2,372</b> (57.6)	4.7	3.1	3.4	2.7	3.1
World total	<b>895</b> (100.0)	<b>2,369</b> (100.0)	<b>2,633</b> (100.0)	<b>3,405</b> (100.0)	<b>4,117</b> (100.0)	3.0	1.8	2.6	1.9	2.1

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 11 Primary energy consumption in Asia (Gas)**

(Unit: Mtoe)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>3</b> (27.8)	<b>42</b> (14.0)	<b>55</b> (13.1)	<b>108</b> (17.0)	<b>193</b> (21.7)	8.2	4.6	7.0	6.0	6.1
Japan	<b>3</b> (29.4)	<b>70</b> (23.5)	<b>74</b> (17.6)	<b>79</b> (12.4)	<b>81</b> (9.1)	9.7	0.7	0.7	0.3	0.5
South Korea	<b>0</b> (0.0)	<b>25</b> (8.4)	<b>33</b> (7.9)	<b>47</b> (7.4)	<b>59</b> (6.6)	-	4.5	3.6	2.3	3.3
India	<b>1</b> (5.1)	<b>23</b> (7.8)	<b>36</b> (8.7)	<b>68</b> (10.7)	<b>105</b> (11.8)	11.9	7.5	6.4	4.5	5.9
Indonesia	<b>0</b> (2.2)	<b>34</b> (11.3)	<b>45</b> (10.7)	<b>64</b> (10.1)	<b>93</b> (10.4)	16.1	4.8	3.7	3.8	4.0
Taiwan	<b>1</b> (8.1)	<b>9</b> (3.0)	<b>12</b> (2.9)	<b>17</b> (2.7)	<b>20</b> (2.2)	7.2	5.2	3.7	1.4	3.2
Singapore	<b>0</b> (0.0)	<b>5</b> (1.8)	<b>6</b> (1.4)	<b>9</b> (1.4)	<b>13</b> (1.5)	-	2.1	4.1	4.1	3.7
Malaysia	<b>0</b> (0.6)	<b>20</b> (6.8)	<b>51</b> (12.2)	<b>67</b> (10.6)	<b>76</b> (8.6)	18.7	16.3	2.8	1.3	5.2
Philippines	<b>0</b> (0.0)	<b>2</b> (0.7)	<b>6</b> (1.5)	<b>12</b> (1.9)	<b>16</b> (1.8)	-	21.3	6.2	3.1	8.3
Thailand	<b>0</b> (0.0)	<b>24</b> (8.1)	<b>36</b> (8.7)	<b>54</b> (8.5)	<b>67</b> (7.5)	-	6.9	4.0	2.2	3.9
Vietnam	<b>0.0</b> (0.0)	<b>5</b> (1.5)	<b>4</b> (1.0)	<b>7</b> (1.1)	<b>13</b> (1.4)	-	-1.8	5.6	6.0	4.0
Hong Kong	<b>0</b> (0.0)	<b>2</b> (0.6)	<b>1</b> (0.3)	<b>1</b> (0.2)	<b>1</b> (0.1)	-	-5.9	0.0	0.0	-1.4
Other Asian countries	<b>3</b> (26.8)	<b>38</b> (12.5)	<b>58</b> (13.9)	<b>100</b> (15.9)	<b>153</b> (17.2)	7.9	7.5	5.6	4.3	5.5
Asian total	<b>11</b> (100.0)	<b>300</b> (100.0)	<b>417</b> (100.0)	<b>632</b> (100.0)	<b>890</b> (100.0)	10.5	5.7	4.2	3.5	4.3
Asia (exc.Japan)	<b>8</b> (70.6)	<b>229</b> (76.5)	<b>343</b> (82.4)	<b>553</b> (87.6)	<b>809</b> (90.9)	10.7	7.0	4.9	3.9	5.0

Source: Based on data from "Energy Balances of OECD Countries" and "Energy Balances of Non-OECD Countries," IEA; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 12 Nuclear capacity (World)**

(Unit: GW)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
North America	<b>11</b> (42.7)	<b>116</b> (30.2)	<b>114</b> (28.5)	<b>123</b> (26.8)	<b>124</b> (24.9)	7.1	-0.3	0.8	0.1	0.3
Central and South America	<b>0</b> (0.0)	<b>4</b> (1.1)	<b>6</b> (1.4)	<b>6</b> (1.2)	<b>7</b> (1.3)	-	5.3	0.0	1.6	1.7
OECD Europe	<b>11</b> (41.6)	<b>138</b> (35.9)	<b>132</b> (32.8)	<b>112</b> (24.4)	<b>108</b> (21.6)	7.7	-1.0	-1.6	-0.4	-1.0
Non-OECD Europe	<b>2</b> (8.8)	<b>43</b> (11.1)	<b>45</b> (11.2)	<b>63</b> (13.8)	<b>64</b> (12.8)	8.9	1.2	3.5	0.1	1.6
Africa	<b>0</b> (0.0)	<b>2</b> (0.5)	<b>2</b> (0.5)	<b>3</b> (0.7)	<b>3</b> (0.7)	-	2.1	4.9	0.0	2.4
Middle East	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>2</b> (0.5)	<b>2</b> (0.4)	<b>2</b> (0.4)	-	-	0.0	0.0	-
Asia	<b>2</b> (6.9)	<b>82</b> (21.3)	<b>101</b> (25.1)	<b>150</b> (32.6)	<b>191</b> (38.3)	11.8	4.3	4.1	2.5	3.5
China	<b>0</b> (0.0)	<b>7</b> (1.8)	<b>15</b> (3.7)	<b>31</b> (6.7)	<b>50</b> (10.0)	-	16.0	7.6	5.0	8.2
India	<b>0</b> (1.4)	<b>3</b> (0.9)	<b>9</b> (2.3)	<b>20</b> (4.3)	<b>32</b> (6.4)	6.6	22.4	8.2	4.8	9.5
Other Asian countries	<b>1</b> (5.5)	<b>72</b> (18.6)	<b>77</b> (19.2)	<b>99</b> (21.6)	<b>109</b> (21.9)	12.2	1.5	2.6	1.0	1.7
Oceania	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	-	-	-	-	-
Other regions	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	<b>0</b> (0.0)	-	-	-	-	-
OECD country total	<b>24</b> (89.3)	<b>322</b> (83.5)	<b>316</b> (78.7)	<b>326</b> (70.9)	<b>330</b> (66.0)	8.0	-0.4	0.3	0.1	0.1
Non-OECD country total	<b>3</b> (10.7)	<b>63</b> (16.5)	<b>85</b> (21.3)	<b>134</b> (29.1)	<b>170</b> (34.0)	9.6	6.2	4.6	2.4	4.0
World total	<b>27</b> (100.0)	<b>385</b> (100.0)	<b>402</b> (100.0)	<b>460</b> (100.0)	<b>499</b> (100.0)	8.2	0.8	1.4	0.8	1.0

Source: Based on data from "Energy Balances of OECD Countries" (IEA) and other sources; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

Attached Table 13 CO<sub>2</sub> emissions in Asia

(Unit: Mt-C)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>241</b> (40.8)	<b>1,311</b> (51.9)	<b>1,775</b> (56.2)	<b>2,184</b> (54.4)	<b>2,445</b> (50.5)	5.3	5.2	2.1	1.1	2.4
Japan	<b>207</b> (35.1)	<b>349</b> (13.8)	<b>326</b> (10.3)	<b>319</b> (7.9)	<b>303</b> (6.3)	1.6	-1.1	-0.2	-0.5	-0.5
South Korea	<b>15</b> (2.6)	<b>128</b> (5.1)	<b>145</b> (4.6)	<b>169</b> (4.2)	<b>194</b> (4.0)	6.7	2.1	1.6	1.4	1.6
India	<b>55</b> (9.3)	<b>312</b> (12.3)	<b>375</b> (11.9)	<b>550</b> (13.7)	<b>793</b> (16.4)	5.4	3.1	3.9	3.7	3.7
Indonesia	<b>7</b> (1.2)	<b>96</b> (3.8)	<b>117</b> (3.7)	<b>171</b> (4.3)	<b>252</b> (5.2)	8.2	3.4	3.8	3.9	3.8
Taiwan	<b>9</b> (1.5)	<b>74</b> (2.9)	<b>75</b> (2.4)	<b>102</b> (2.5)	<b>129</b> (2.7)	6.7	0.3	3.1	2.4	2.2
Singapore	<b>2</b> (0.4)	<b>15</b> (0.6)	<b>18</b> (0.6)	<b>22</b> (0.5)	<b>27</b> (0.6)	5.9	2.3	2.1	2.2	2.2
Malaysia	<b>4</b> (0.7)	<b>41</b> (1.6)	<b>78</b> (2.5)	<b>108</b> (2.7)	<b>133</b> (2.7)	7.4	11.2	3.3	2.0	4.6
Philippines	<b>7</b> (1.2)	<b>21</b> (0.8)	<b>26</b> (0.8)	<b>40</b> (1.0)	<b>63</b> (1.3)	3.4	3.9	4.3	4.6	4.3
Thailand	<b>5</b> (0.9)	<b>63</b> (2.5)	<b>76</b> (2.4)	<b>120</b> (3.0)	<b>166</b> (3.4)	7.9	3.2	4.6	3.3	3.8
Vietnam	<b>6.4</b> (1.1)	<b>22</b> (0.9)	<b>22</b> (0.7)	<b>39</b> (1.0)	<b>63</b> (1.3)	3.8	0.2	5.8	4.9	4.1
Hong Kong	<b>3</b> (0.5)	<b>15</b> (0.6)	<b>16</b> (0.5)	<b>19</b> (0.5)	<b>23</b> (0.5)	5.1	1.8	1.7	1.9	1.8
Other Asian countries	<b>29</b> (4.9)	<b>78</b> (3.1)	<b>105</b> (3.3)	<b>172</b> (4.3)	<b>253</b> (5.2)	3.1	5.1	5.0	3.9	4.6
Asian total	<b>589</b> (100.0)	<b>2,526</b> (100.0)	<b>3,157</b> (100.0)	<b>4,015</b> (100.0)	<b>4,843</b> (100.0)	4.5	3.8	2.4	1.9	2.5
Asia (exc. Japan)	<b>382</b> (64.9)	<b>2,176</b> (86.2)	<b>2,830</b> (89.7)	<b>3,697</b> (92.1)	<b>4,540</b> (93.7)	5.4	4.5	2.7	2.1	2.9

Source: Based on data from "Energy Balances of OECD Countries" (IEA) and other sources; forecast figures prepared by the IEEJ.

Note: Figures in parentheses indicate percentage shares of totals.

## Attached Table 14 GDPs in Asia

(Unit: billions of US dollars at 2000 value)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>99</b> (4.0)	<b>1,715</b> (17.4)	<b>2,917</b> (22.4)	<b>5,152</b> (27.2)	<b>8,081</b> (30.5)	9.0	9.3	5.9	4.6	6.1
Japan	<b>1,888</b> (75.4)	<b>4,933</b> (50.1)	<b>5,597</b> (43.0)	<b>6,498</b> (34.3)	<b>7,285</b> (27.5)	3.0	2.1	1.5	1.1	1.5
South Korea	<b>66</b> (2.6)	<b>613</b> (6.2)	<b>799</b> (6.1)	<b>1,129</b> (6.0)	<b>1,496</b> (5.6)	7.0	4.5	3.5	2.9	3.5
India	<b>117</b> (4.7)	<b>591</b> (6.0)	<b>853</b> (6.6)	<b>1,528</b> (8.1)	<b>2,561</b> (9.7)	5.0	6.3	6.0	5.3	5.8
Indonesia	<b>27</b> (1.1)	<b>197</b> (2.0)	<b>337</b> (2.6)	<b>523</b> (2.8)	<b>774</b> (2.9)	6.2	9.3	4.5	4.0	5.4
Taiwan	<b>34</b> (1.3)	<b>349</b> (3.5)	<b>430</b> (3.3)	<b>619</b> (3.3)	<b>800</b> (3.0)	7.4	3.6	3.7	2.6	3.2
Singapore	<b>10</b> (0.4)	<b>102</b> (1.0)	<b>132</b> (1.0)	<b>190</b> (1.0)	<b>280</b> (1.1)	7.2	4.3	3.7	3.9	3.9
Malaysia	<b>13</b> (0.5)	<b>107</b> (1.1)	<b>180</b> (1.4)	<b>294</b> (1.6)	<b>457</b> (1.7)	6.7	9.1	5.0	4.5	5.7
Philippines	<b>28</b> (1.1)	<b>89</b> (0.9)	<b>113</b> (0.9)	<b>171</b> (0.9)	<b>253</b> (1.0)	3.5	4.2	4.2	4.0	4.1
Thailand	<b>20</b> (0.8)	<b>150</b> (1.5)	<b>200</b> (1.5)	<b>323</b> (1.7)	<b>516</b> (1.9)	6.3	4.9	4.9	4.8	4.9
Vietnam	<b>8.3</b> (0.3)	<b>41</b> (0.4)	<b>62</b> (0.5)	<b>117</b> (0.6)	<b>210</b> (0.8)	5.0	7.1	6.5	6.0	6.5
Hong Kong	<b>25</b> (1.0)	<b>189</b> (1.9)	<b>252</b> (1.9)	<b>348</b> (1.8)	<b>482</b> (1.8)	6.3	4.9	3.3	3.3	3.7
Other Asian countries	<b>169</b> (6.8)	<b>770</b> (7.8)	<b>1,144</b> (8.8)	<b>2,069</b> (10.9)	<b>3,331</b> (12.6)	4.7	6.8	6.1	4.9	5.8
Asian total	<b>2,506</b> (100.0)	<b>9,845</b> (100.0)	<b>13,017</b> (100.0)	<b>18,960</b> (100.0)	<b>26,523</b> (100.0)	4.2	4.8	3.8	3.4	3.9
Asia (exc. Japan)	<b>618</b> (24.6)	<b>4,913</b> (49.9)	<b>7,420</b> (57.0)	<b>12,463</b> (65.7)	<b>19,239</b> (72.5)	6.5	7.1	5.3	4.4	5.4

Based on data from "World Development Indicators" (World Bank) and other sources; forecast figures prepared by the IEEJ.  
Note: Figures in parentheses indicate percentage shares of totals.

**Attached Table 15 Automobile ownership volume in Asia**

(Unit: millions of vehicles)

	Actual		Forecast			AAGR(%)				
	1971	2004	2010	2020	2030	2004 /1971	2010 /2004	2020 /2010	2030 /2020	2030 /2004
China	<b>0.5</b> (2.0)	<b>27</b> (16.3)	<b>56</b> (25.4)	<b>127</b> (37.1)	<b>233</b> (45.7)	12.9	13.0	8.5	6.3	8.7
Japan	<b>20</b> (79.4)	<b>74</b> (44.9)	<b>77</b> (35.2)	<b>80</b> (23.4)	<b>79</b> (15.4)	4.1	0.7	0.3	-0.1	0.2
South Korea	<b>0.1</b> (0.5)	<b>15</b> (9.0)	<b>20</b> (9.3)	<b>26</b> (7.8)	<b>29</b> (5.7)	15.4	5.3	2.6	0.9	2.6
India	<b>1.1</b> (4.5)	<b>15</b> (8.9)	<b>22</b> (9.9)	<b>42</b> (12.3)	<b>73</b> (14.4)	8.1	6.8	6.8	5.7	6.4
Indonesia	<b>0.4</b> (1.6)	<b>6</b> (3.7)	<b>9</b> (4.1)	<b>12</b> (3.5)	<b>15</b> (3.0)	8.7	7.0	2.8	2.4	3.6
Taiwan	<b>0.1</b> (0.4)	<b>7</b> (4.0)	<b>7</b> (3.2)	<b>8</b> (2.4)	<b>9</b> (1.7)	13.2	0.8	1.5	0.8	1.1
Singapore	<b>0.2</b> (0.7)	<b>1</b> (0.4)	<b>1</b> (0.3)	<b>1</b> (0.2)	<b>1</b> (0.2)	3.8	1.0	1.1	0.7	0.9
Malaysia	<b>0.4</b> (1.6)	<b>7</b> (4.1)	<b>8</b> (3.7)	<b>10</b> (2.9)	<b>12</b> (2.3)	9.0	3.0	2.2	1.7	2.2
Philippines	<b>0.5</b> (1.9)	<b>3</b> (1.8)	<b>3</b> (1.5)	<b>7</b> (2.1)	<b>12</b> (2.4)	5.6	2.0	8.3	5.6	5.8
Thailand	<b>0.4</b> (1.6)	<b>7</b> (4.1)	<b>10</b> (4.6)	<b>19</b> (5.6)	<b>35</b> (6.8)	8.9	6.9	6.6	6.1	6.5
Vietnam	<b>0.2</b> (0.8)	<b>0</b> (0.3)	<b>1</b> (0.3)	<b>1</b> (0.4)	<b>2</b> (0.5)	2.5	8.5	6.5	6.0	6.8
Hong Kong	<b>0.2</b> (0.7)	<b>1</b> (0.3)	<b>1</b> (0.3)	<b>1</b> (0.2)	<b>1</b> (0.2)	3.7	1.9	1.2	1.1	1.3
Other Asian countries	<b>1.1</b> (4.5)	<b>4</b> (2.2)	<b>5</b> (2.3)	<b>7</b> (2.1)	<b>10</b> (1.9)	3.7	5.5	3.7	2.7	3.7
Asian total	<b>25</b> (100.0)	<b>165</b> (100.0)	<b>220</b> (100.0)	<b>341</b> (100.0)	<b>510</b> (100.0)	5.9	4.9	4.5	4.1	4.4
Asia (exc.Japan)	<b>5</b> (20.6)	<b>91</b> (55.1)	<b>143</b> (64.8)	<b>261</b> (76.6)	<b>431</b> (84.6)	9.1	7.8	6.3	5.1	6.2

Based on data from "World Motor Vehicle Statistics" published by the Japan Automobile Manufacturers Association, Inc. and other sources; forecast figures prepared by the IEEJ.

Contact: [report@tky.ieej.or.jp](mailto:report@tky.ieej.or.jp)