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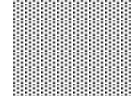
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United Nations Environment Program Division of Technology, Industry and Economics,
Reforming Energy Subsidies, (۲۰۰۲).

۳. Clements, Benedict & Gerd Schwartz (۱۹۹۹),

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١. Human Development Group Middle East and North Africa Region, Consumer Food Subsidy Programs in the MENA Region. Document of the World Bank. November ١٢, (١٩٩٩).
٢. Clements, Benedict & Gerd Schwartz (١٩٩٩).

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Document of the World Bank. Iran Medium Term Framework for Transition (Converting Oil Wealth to Development a Country Economic Memorandum).

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Hidden Public Expenditures and Economic Performance in Iran. The International Journal of Middle Eastern Studies.

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| 1378 | 1379 | 1378 | 1377 | 1376 | 1375 | 1374 | 1373 | 1372 | 1371 | 1370 | 1369 | | |
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| | | | | | | | | | | | | | |
| 12 | 11 | 10 | 9 | 8 | 7 | 6 | 10 | 10 | 10 | 10 | 4 | / | |
| 94 | 55 | 50 | 30 | 20 | 10 | 10 | 5 | 5 | 5 | 5 | 2 | / | |
| 450 | 385 | 350 | 200 | 160 | 130 | 100 | 50 | 50 | 50 | 50 | 50 | / | |
| 12 | 11 | 10 | 9 | 8 | 7 | 6 | 10 | 10 | 10 | 10 | 4 | / | |
| 99.8 | 88 | 72 | 60 | 50 | 41 | 34 | 29 | 17 | 11 | 9 | 6 | / | |
| 59 | 53.8 | 46.7 | 36 | 22 | 17.9 | 14.9 | 12.4 | 6.3 | 6 | 3.22 | 3.12 | / | |
| | | | | | | | | | | | | | |
| 10.2 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | / | |
| 9.1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | / | |
| 10.3 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | / | |
| 10.2 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | / | |
| 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | / | |
| 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | / | |
| | | | | | | | | | | | | | |
| 119.0 | 100.0 | 118.8 | 195.8 | 999.8 | 478.2 | 444.9 | 404.9 | 260.2 | 199.9 | 192.5 | 103.5 | / | |

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| 1378. | 1379 | 1378 | 1377 | 1376 | 1375 | 1374 | 1373 | 1372 | 1371 | 1370 | 1369 | | |
| 488. | 480. | 491.3 | 519.5 | 388.1 | 286.9 | 266.7 | 243. | 156.1 | 118.1 | 97.5 | 92.1 | / | |
| 1224. | 1200. | 1228.2 | 1298.7 | 970.3 | 717.2 | 666.8 | 607.4 | 390.3 | 295.3 | 243.7 | 230.3 | / | |
| 816. | 800. | 818.8 | 865.8 | 666.8 | 478.2 | 444.6 | 404.9 | 260.2 | 196.9 | 162.5 | 153.5 | / | |
| 304. | 296. | 303. | 320.3 | 239.3 | 176.9 | 164.5 | 149.8 | 96.3 | 72.8 | 60.1 | 56.8 | / | |
| 296. | 288. | 294.8 | 311.7 | 232.9 | 172.1 | 160. | 145.8 | 93.7 | 70.9 | 58.5 | 55.3 | / | |
| | | | | | | | | | | | | | |
| 85.3 | 86.3 | 87.8 | 93.1 | 93.8 | 93.7 | 95.5 | 96.3 | 94.2 | 92.4 | 90.8 | 97.4 | / | |
| 86.9 | 88.5 | 89.8 | 94.2 | 94.8 | 94.8 | 96.3 | 97.9 | 96.8 | 95.8 | 94.9 | 97.8 | / | |
| 93.2 | 97.9 | 71.5 | 84.6 | 83.5 | 81.9 | 850. | 91.8 | 87.2 | 83.1 | 79.5 | 78.3 | / | |
| 85.3 | 86.3 | 87.8 | 93.1 | 93.8 | 93.7 | 95.5 | 97.5 | 96.2 | 94.9 | 93.8 | 97.4 | / | |
| 68.2 | 70.3 | 76.2 | 81.3 | 79.1 | 76.8 | 79.3 | 80.6 | 82.3 | 84.9 | 850. | 89.4 | / | |
| 80.1 | 81.3 | 84.2 | 88.4 | 90.6 | 89.6 | 90.7 | 91.5 | 93.3 | 91.5 | 94.5 | 94.4 | / | |

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| 13A. | 13Y9 | 13Y8 | 13Y7 | 13Y6 | 13Y5 | 13Y4 | 13Y3 | 13Y2 | 13Y1 | 13Y. | 13F9 | |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-----|
| 19V3 | 91A5 | 92V. | 9AV4 | 1.1V3 | 1.92. | 1.04A | 1.02V | 1.0A2 | 1.059 | AVV4 | | () |
| V2.. | V9.. | V6.. | 92.. | AV.. | A5.. | A5.. | A5.. | A5.. | A5.. | A5.. | A5.. | () |
| 19V39 | 15519 | 14225 | 13696 | 12324 | 11A52 | 1144A | 1141A | 1.0V3F | 9A13 | A991 | | () |
| 25.84 | 242AA | 23.16 | 23.15 | 23A9V | 22614 | 21A16 | 22V.8 | 2195A | 2.0A2 | 2.164 | 2.164 | () |
| 9V1V1 | 9.366 | AV656 | VV666 | V335A | 696V1 | 65A54 | 63625 | 5A114 | 523.6 | F91V5 | F51.7 | () |
| 69243 | 66511 | 59954 | 52453 | 4A25A | F3395 | F113. | 31.9 | 2A9.. | 249.. | 2.0.. | | () |
| 9.53 | A.9V | 9.. | 12.4A | 12.11 | 9.0V | 9.12 | 11.41 | 1.02A | A.63 | 6.1V | 6.33 | |
| .7A | .7V | .7V | 1.23 | 1.29 | 1.0V | 1.1. | 1.62 | 1.36 | 1.1V | .14 | .81 | |
| .3A | .41 | .39 | .7. | .6V | .52 | .54 | .7A | .65 | .59 | .51 | .5. | |
| 1.62 | 1.54 | 1.96 | 2.33 | 2.09 | 1.5V | 1.6. | 2.45 | 1.86 | 1.4A | 1.13 | .9A | |
| 2.1A | 2.05 | 1.91 | 2.1V | 3.03 | 2.2A | 2.29 | 3.45 | 2.79 | 2.4. | 2.. | 1.9A | |
| 2.52 | 2.3. | 2.26 | 3.13 | 2.9. | 2.13 | 2.12 | 2.95 | 2.34 | 1.99 | 1.64 | 1.5. | |
| 2.05 | 1.9. | 1.72 | 2.24 | 2.13 | 1.51 | 1.4V | .16 | 1.2A | .99 | .75 | .56 | |
| .6A | .7V | .76 | 1.04 | 1.2A | 1.. | 1.05 | 1.53 | 1.84 | 1.09 | .71 | .71 | |
| .33 | .41 | .3A | .59 | .66 | .4A | .51 | .73 | .8A | .55 | .43 | .44 | |
| 1.42 | 1.54 | 1.94 | 1.9V | 2.0V | 1.46 | 1.53 | 2.31 | 2.52 | 1.3A | .95 | .86 | |
| 1.91 | 2.04 | 1.89 | 2.43 | 3.01 | 2.12 | 2.1A | 3.26 | 3.7A | 2.24 | 1.6A | 1.73 | |
| 2.2. | 2.29 | 2.24 | 2.65 | 2.8A | 1.9A | 2.03 | 2.79 | 3.1V | 1.86 | 1.3V | 1.31 | |
| 1.8. | 1.9. | 1.7. | 1.9. | 2.11 | 1.4. | 1.41 | .15 | 1.74 | .93 | .63 | .49 | |
| A.35 | A.95 | A.92 | 1.59 | 12.01 | A.44 | A.71 | 1.7V | 13.93 | A.04 | 5.7V | 5.54 | |

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۱. United Nations Environment Program Division of Technology, Industry and Economics.
Reforming Energy Subsidies. ۲۰۰۶

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(OECD)

Ahamd.A.U., Bouis.E.H., Gunter.T, and Hans Lofgren.(٢٠٠١). The Egyptian Food Subsidies System: Structure, Performances and Options for Reform. Research Reporting ١١٩.IFPER.Washington,D.C

Frend, L. Caroline and Walich I.Cheistine (١٩٩٥). Raising Household Energy Prices in Poland Who Gains? Who Loses? Policy Research Working Paper .The World Bank.

Human Development Group Middle East and North Africa Region. Consumer Food Subsidy Programs in the MENA Region. Document of the World Bank. November ١٢,١٩٩٩

٢. A Report of the World Energy Council (٢٠٠١).

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۱. United Nations Environment Program Division of Technology (۲۰۰۲).

۲. Hope, Einar & Balbir Singh (۱۹۹۵).

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۱. Fetini. Habib & Rabert Bacon (۱۹۹۹).
۲. Jensen, Jesper, & David Tarr (۲۰۰۲).
۳. Social and Economic Development, Group Middle East and North Africa Region. (۲۰۰۳).

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- ۱. Social Accounting Matrix (SAM)
- ۲. Stone, R., Foreword, in Pyatt, G. and A.R. Roe and associates (۱۹۷۷).

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۱. Institutions
۲. Pyatt, G. & I. Round, (۱۹۷۹).
۳. Thorbecke, E. (۲۰۰۰).

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| Y | X | T | . | T | | | |
| Y | X | . | . | T | | | |
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| Y _x | T | I _r ' | I _r ' | I _r ' | | | |
| | Y _x | Y _r ' | Y _r ' | Y _r ' | | | |

Thorbecke, E. ۱۹۹۹ :

۱. Pyatt, G. & I. Round, (۱۹۷۹).

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A_{ij}

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\bar{Y}_i

(Tij)

$$Y_r = A_{rr}Y_r + A_{ry}\bar{Y}_r + A_{rf}\bar{Y}_f$$

$$= (I - A_{rr})^{-1}(A_{ry}\bar{Y}_r + A_{rf}\bar{Y}_f) = M_{1,x}$$

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- 1. Endogenous
- 2. Exogenous
- 3. Multiplier coefficient

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x

$$M_{11} = (I - A_{rr})^{-1} \quad ()$$

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$$\Delta Y_r = M_{11} \Delta x \quad ()$$

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Pi

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$$\begin{aligned} P_1 &= \bar{P}_1 A_{11} + \bar{P}_r A_{r1} + \bar{P}_f A_{f1} \\ &= (\bar{P}_r A_{r1} + \bar{P}_f A_{f1})(I - A_{11})^{-1} = v_1 M_{11} \end{aligned} \quad ()$$

M₁₁

v₁

j

:

$$\begin{aligned} P_1 &= P_1 A_{11} + P_r A_{r1} + \bar{P}_f A_{f1} \\ P_r &= P_r A_{rr} + \bar{P}_f A_{fr} \\ P_f &= P_1 A_{1f} + P_r A_{rf} + \bar{P}_f A_{ff} \end{aligned} \quad ()$$

:

$$P = PA + v = v(I - A)^{-1} = vM \quad ()$$

$$: \quad \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} v \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} M \quad \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} A \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

$$A = \begin{bmatrix} A_{11} & \cdot & A_{1r} \\ A_{r1} & \cdot & \cdot \\ \cdot & A_{rr} & A_{rr} \end{bmatrix}$$

$$P = (P_1, P_r, P_r)$$

$$v = P_r A_{(r)} = P \begin{bmatrix} A_{r1} \\ A_{rr} \\ A_{rr} \end{bmatrix}$$

(i)

$$P_i = \sum v_j m_{ij}$$

$$\frac{\partial p_i}{\partial v_j} = m_{ij}$$

$$m_{ij} \in M$$

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| 20.13F | 5.933 | 1.1F1 | 2.500 | 1.068 | 12.401 | 1.757 | |
| 20.709 | 5.109 | 1.117 | 2.448 | 1.046 | 12.452 | 1.766 | |
| 19.780 | 5.278 | 1.015 | 2.224 | 0.950 | 12.278 | 1.739 | () |
| 15.957 | 4.065 | 0.782 | 1.713 | 0.732 | 10.180 | 1.442 | |
| 22.027 | 4.673 | 0.899 | 1.969 | 0.842 | 15.388 | 2.179 | |
| 16.835 | 4.581 | 0.881 | 1.930 | 0.825 | 10.324 | 1.462 | |
| 19.082 | 4.602 | 0.885 | 1.939 | 0.829 | 12.541 | 1.776 | |
| 19.913 | 5.269 | 1.013 | 2.220 | 0.949 | 12.424 | 1.760 | |
| 18.163 | 4.805 | 0.924 | 2.025 | 0.865 | 11.332 | 1.605 | |
| 18.340 | 4.753 | 0.914 | 2.003 | 0.856 | 11.588 | 1.641 | |
| 16.564 | 4.373 | 0.841 | 1.843 | 0.787 | 10.349 | 1.466 | |
| 14.585 | 4.266 | 0.820 | 1.798 | 0.768 | 8.521 | 1.207 | |
| 21.294 | 5.394 | 1.037 | 2.273 | 0.971 | 13.627 | 1.930 | |
| 20.028 | 5.388 | 1.036 | 2.271 | 0.970 | 12.368 | 1.752 | |
| 14.151 | 3.820 | 0.735 | 1.610 | 0.688 | 8.721 | 1.235 | |

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|--------|-------|-------|-------|-------|--------|-------|--|
| 1.50A | 2.282 | -.339 | -.962 | -.511 | 5.214 | -.739 | |
| 10.7FF | 2.279 | -.123 | 1.103 | -.771 | 9.661 | 1.368 | |
| 16.101 | 2.232 | -.114 | 1.784 | -.762 | 10.134 | 1.320 | |

| | % | % | % | % | % | % | |
|---------|--------|--------|---------|--------|---------|--------|---|
| 21.552 | 2.126 | -.792 | 1.728 | -.742 | 20.578 | 2.622 | |
| 16.103 | 5.042 | -.970 | 2.120 | -.908 | 9.620 | 1.360 | |
| 7.928 | 1.837 | -.302 | -.774 | -.321 | 5.227 | -.700 | |
| 10.687 | 2.009 | -.684 | 1.000 | -.641 | 5.628 | -.797 | |
| 262.600 | 2.219 | -.660 | 1.019 | -.426 | 260.166 | 51.010 | |
| 11.000 | 2.090 | -.094 | 1.302 | -.007 | 6.607 | -.926 | |
| 21.726 | 9.612 | 1.849 | 4.001 | 1.721 | 18.062 | 2.008 | |
| 17.661 | 5.210 | 1.041 | 2.282 | -.970 | 9.760 | 1.282 | |
| 10.287 | 2.012 | -.670 | 1.480 | -.622 | 5.290 | -.764 | |
| 6.229 | 1.801 | -.226 | -.709 | -.224 | 2.788 | -.027 | |
| 4.828 | 1.029 | -.294 | -.644 | -.270 | 2.600 | -.276 | |
| 174.472 | 2.027 | 2.969 | 120.996 | 02.716 | 28.140 | 2.986 | |
| 07.472 | 2.027 | 2.969 | 8.696 | 2.716 | 28.140 | 2.986 | |
| 217.669 | 28.620 | 02.968 | 8.690 | 2.716 | 28.128 | 2.986 | |
| 21.000 | 2.240 | -.162 | 1.192 | -.109 | 10.122 | 2.122 | |
| 24.790 | 5.220 | 1.027 | 2.200 | -.962 | 17.199 | 2.226 | |
| 20.129 | 5.262 | 1.012 | 2.218 | -.948 | 12.608 | 1.792 | |
| 19.701 | 5.049 | -.971 | 2.128 | -.909 | 12.074 | 1.781 | |
| 21.112 | 5.201 | 1.000 | 2.192 | -.927 | 12.719 | 1.922 | |
| 10.098 | 2.881 | -.766 | 1.620 | -.699 | 9.082 | 1.207 | |
| 16.721 | 2.201 | -.117 | 1.791 | -.760 | 10.689 | 1.014 | |
| 16.721 | 2.201 | -.117 | 1.791 | -.760 | 10.689 | 1.014 | |
| 10.020 | 2.702 | -.020 | 1.129 | -.487 | 6.688 | -.947 | % |
| 14.419 | 2.600 | -.692 | 1.017 | -.648 | 9.202 | 1.218 | % |
| 22.222 | 5.669 | 1.090 | 2.289 | 1.011 | 10.287 | 2.160 | % |

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|--------|--------|-------|-------|-------|--------|-------|---|
| 8.369 | 2.320 | 0.446 | 0.978 | 0.418 | 0.72 | 0.718 | % |
| 13.149 | 3.497 | 0.673 | 1.474 | 0.630 | 1.178 | 1.108 | % |
| 23.119 | 0.800 | 1.120 | 2.460 | 1.004 | 14.803 | 2.97 | % |
| 30.414 | 11.066 | 2.128 | 4.820 | 2.062 | 19.024 | 2.760 | |

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۴. A Report of the World Energy Council (۲۰۰۱); **Pricing Energy In Developing Countries.**
۵. Birol, F.Alegh, and Ferroukir (۱۹۹۵); “The Economics Impact of Subsidy Phaes-out in Oil exporting Developing Countries”, **Energy Policy**, ۲۳(۳), pp. ۲۰۹-۲۱۵.
۶. Clements, Benedict and Gerd Schwartz (۱۹۹۹); “Government Subsidies”, **Journal of Economic Surveys**, Vol. ۱۳, No. ۲, pp. ۱۱۹-۱۴۷.
۷. Document of the World Bank, Iran Medium Term Framework for Transition Converting Oil Wealth to Development a Country Economic Memorandum, April ۳۰, (۲۰۰۲). Social and Economic Development Group, Middle East and North Africa Region.
۸. Fetini. Habib, Rabert Bacon (۱۹۹۹); “Economics Aspects of Increasing Energy Prices to Border Prices in the IRAN”, **Document of World Bank.**
۹. Friend, L. Caroline and Walich I.Cheistine (۱۹۹۵); “Raising Household Energy Prices in Poland Who Gains? Who Loses?”, **Policy Research Working Paper.**
۱۰. Gupta, Sanlar, et.al. (۲۰۰۲); “Issues in Domestic Petroleum Prices in Oil Producing Countries”, **IMF Working Paper.**
۱۱. Hope, Einar and Balbir Singh. (۱۹۹۵); “Energy Price Increases in Developing Countries Case Studies of Colombia, Ghana, Indonesia, Malaysia, Turkey, and Zimbabwe”, **The World Bank Policy Research Department Public Economics Division.**

12. Jensen, Jesper, and David Tarr (2002); Trades, Foreign Exchange Rate, and Energy Policies in Iran: Reform Agenda, Economic Implications, and Impact on the Poor.
13. Pitt, M.M. (1988); "Equity, Externalities and Energy Subsidies: The Cases of Kerosene in Indonesia", **Journal of Development Economics**, 11, No. 3, pp. 201-217.
14. Pyatt, G. and I.Round (1988); "Social Accounting Matrices for Development Planning", **World Bank Documents**.
15. Pyatt, G. and I.Round (1979); "Accounting and Fixed Price Multiplier in Social Accounting matrix", **The Economic Journal**, 89, pp. 880-893.
16. Roland-Holest, D.W and F.Sancho (1998); "Modeling Prices in a SAM Structure", **The Review of Economics and Statistics**, 80, pp. 261-271.
17. Sirvavastave, D.k., Tapas K.Sen, et.al. (1997); **Governments Subsidies in India**, National Institute for Public Finance and Policy.
18. Sirvavastave, D.k., C. Bhujanga Rao. (2003); **Governments Subsidies in India Issues and Approach**, National Institute for Public Finance and Policy.
19. Social and Economic Development, Group Middle East and North Africa Region. Iran - Medium term framework for transition, converting oil wealth to development: economic memorandum, April 20, (2002).
20. Stone, R., Foreword, in Pyatt, G. and A.R. Roe and associates (1977); **Social Accounting for Development Planning with Special Reference to SriLanka**, Cambridge University Press.
21. The Bulgarian Governments Revised Energy Strategy (2002); **The Energy Sector and State Support**.
22. United Nations Environment Program Division of Technology, Industry and Economics, Reforming Energy Subsidies, (2002).
23. Thorbecke, E. (2000); "The Use of Social Accounting Matrix in Modeling", Paper prepared for the 26th General Conference of the International Association for Research in Income and Wealth Cracow, Poland, (2000).

149

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