

Integration of solar technologies into buildings in Mediterranean communities SOLAR-BUILD

Market Analysis - Palestine

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Challenges in Housing & Construction

- **High cost of building & shortage of suitable land for construction**
- **Critical economic situation & low income-families**
- **Inadequate regulating legislations**
- **Absent of national policy/ strategy for EEB**
- **Scarcity of resources and financing opportunities**
- **High disruptions during building new housing projects**
- **Repressive Israeli measures & policies towards sector development**

Problems in Energy Sector

➤ Energy resources either dwindling or non exist

➤ High energy prices

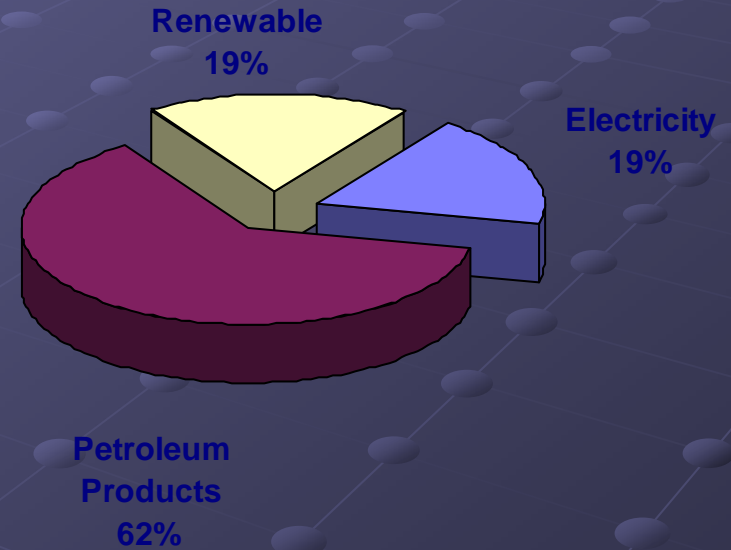
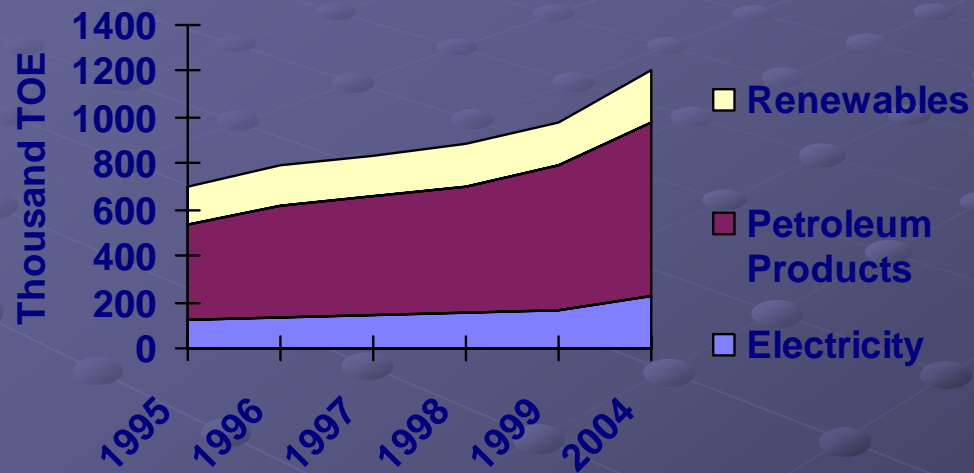
➤ Renewable energy not reached satisfactory level of

➤ Environmental pollution threatening

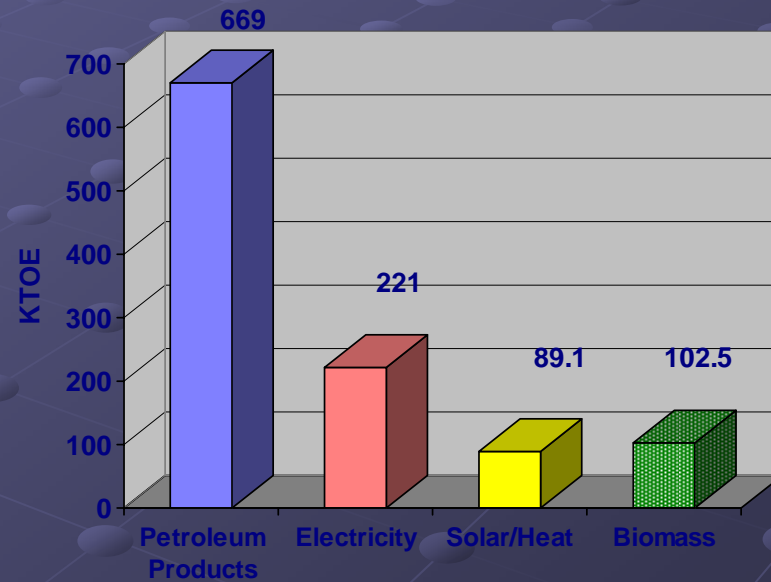
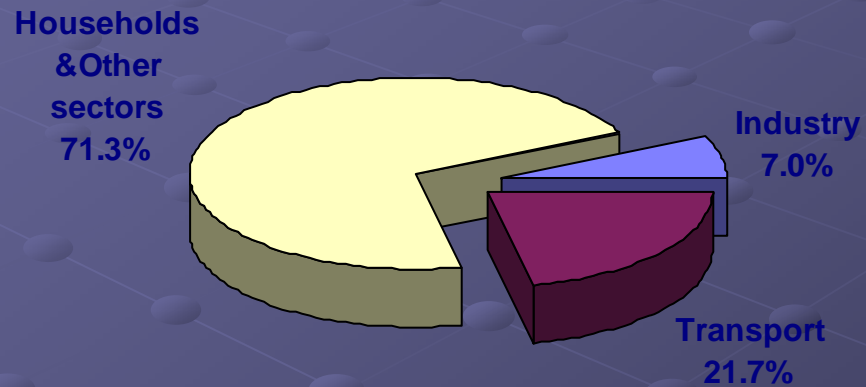
➤ Supply of conventional energy monopolised by Israel



Total Primary Energy Supply



Total Final Energy Consumption



Legislations

- **A clear comprehensive and general energy policy at a national level is being developed.**
- **This late is due to the continuous Israeli occupation.**
- **Weak and fragmented institutional framework.**
- **The incomplete framework of the Palestinian State.**

Policy & National Targets

- **Adaptation and implementation of national regulations and energy norms for RE&EE.**
- **Development and implementation of national programs and projects for best utilization of RE and energy conservation.**
- **Upgrading of the local market for clean and efficient technology.**
- **Awareness dissemination, upgrading of technical capacities for the new and efficient technologies.**
- **Provision of suitable scientific and technological research & testing facilities.**
- **Contribution to the regional efforts and global initiatives (CDM, GEF, etc) of the climate change.**

Financial Schemes

- **Neither specific financial scheme nor incentives/ subsidies is adopted at a national level for development and investment in solar technologies.**
- **Inadequate financial supports are received from the med-euro partnership and EC energy programs for feasibility studies, seminars, and pilot projects.**

Solar Energy Technology Penetration

- **SWH: installations > 1.5 M m², 90 M\$ saving**
- **PV for Rural, Installations > 100 SHS, 50 KW_p, 0.4 M\$**



Barriers

- **Lack of incentives & proper financing schemes.**
- **Lack of regulations & provisions to implement standards and to mandatory solar installations in new buildings.**
- **Lack of qualified testing & certification facilities.**
- **Lack of awareness, pilot projects and expertise.**
- **Absence of private sector involvement.**
- **Unstructured framework of the local solar industry and inefficient industrial processing.**

Thank you

