

2.4. Action plan for biogas for heating/cooking and efficient stoves technology

Biogas for heating/cooking and use of efficient stoves is mainly suitable for application in rural areas-- mostly remote areas with no gas supply, dependent on wood resources. It will lead to less harm to forest resources and reduce subsequent GHG emissions.

There are no specific governmental programmes related to development of biogas for heating/cooking and efficient stoves technology in Azerbaijan. The government has identified initial targets for application of alternative energy sources within the State Program on Utilization of Alternative Energy Sources (2005 – 2013), including application of biogas technology.

There are different initiatives for the demonstration of advantages and best practices of biogas technology under various international projects funded by donor organizations. The government of Azerbaijan, through the Ministry of Industry and Energy, also plans to construct combined biogas devices at sizable livestock farms in the Siyasen district. The main goal of this initiative is to demonstrate effective results and advantages of the proposed technology.

There are no specific programs or policies related to technology deployment, however socio-economic development and provision of sustainable energy supply to rural regions are priority issues for the government.

According to rough estimates, for the year 2030, total GHG emission reduction will be 1.7 million tons of CO₂.

Regarding the mechanisms and institutional arrangements for deployment of the technology, it should be mentioned that the key institution involved in the implementation of measures will be the Ministry of Ecology and Natural Resources.

During the preparation of TAP for biogas for heating/cooking and efficient stoves technology, measures have been assessed taking into account their priorities, time scale, related stakeholders, key indicators for measuring implementation and funding resources.

TAP for the technology is provided in table 7.

Table 7: TAP for biogas for heating/cooking and efficient stoves technology

#	Measures	Priority	Why it is important	Time scale	Related stakeholders, implementers	Key indicators	Risks	Funding sources	Costs
Policy and regulatory									
1	Develop a package of recommendations for improvement of enabling environment, including subsidy mechanism and tax regulations, in order to stimulate private sector initiatives	Medium	- Create enabling environment for private sector initiatives to launch local production	0-5 years	National Parliament, MENR, NGOs	- New subsidy mechanism and tax regulations related to sector	- Lengthy state procedures and bureaucracy leading to slow endorsements of proposed recommendations	State	\$ 250,000
Economic/financial									
2	Develop mechanism for provision of long-term and low-interest loans, as well as grants through state, private and international funds	High	- Create easy access to affordable loans for private initiatives/local residents	0-5 years	MED, Agency on Agricultural Credits	- Easy access to funds created	- Low interest of financial institutions - Insufficient state funds	State, International	\$ 100,000
Information/capacity building									
3	Specific capacity building programs to increase technical capacity of service providers	Medium	- Increase capacity on technology deployment	0-5 years	MED, MENR, NGOs	- Improved capacity on technology deployment	- Low interest of private sector and technical service providers	State, International	\$ 250,000
4	Information campaigns on the advantages of applied technology	High	- Raise awareness on advantages	0-5 years	MENR, NGOs	- Increased awareness of technology application	- No major risks	State, International	\$ 250,000
Other measures									
5	Implementation of pilot projects at municipal or community level to demonstrate advantages of the technology in order to promote its production and use	Medium	- Demonstrate practical application	5-10 years	MENR, MED, NGOs	- Increased level of awareness - Local production launched	- Weak collaboration of related organizations	State, International	\$ 850,000