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Research on Increasing the Energy Indicators of Reconstructed Residential Buildings Under Different Climate Conditions

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Abstract: Today in the day in our country separately attention being given field this of course construction is the field. Well building let it be facility let it be his at the core population marriage style lies _ So it is under construction object good quality level to be necessary _ This in the article Uzbekistan climate conditions reconstruction done of residential buildings energy indicators increase about information giving transition with one in line one how much measures and solutions are also presented.

Key words: Project, energy, consumption, heat insulation, housing, modern, engineering, buildings, climate.

Energy efficiency in the field in the world enough experience and tests done increased being them _ Uzbekistan climate to the conditions according to seeing exit Demand will be done . the world from experience come out in them achievement and shortcomings by learning exit and them our to the circumstances according to appropriation need _ Of course above all thoughts in consideration in getting QMQ and normative documents comply with the requirements reach necessary _

"If the buildings modern to standards adapting non-builder if you are how much energy from joining strictly look energy consumption is 50 percent and from him more than level will remain . High energy consumption means while this the gas surroundings to the environment to throw and climate o' changes means ", he says thought said Marco Mantovanelli .

of buildings energy efficiency increase the following main of criteria consists of :

- natural lighting;
- ventilation , heating and cooling ;
- heat insulation .

in Uzbekistan heating spend (compar heat consumption) on average 320-390 kW . the clock organize does _

in Uzbekistan total electricity of energy about 60 percent public buildings consumption right is coming Housing and communal services service to show minister deputy Nazirjan Nazirov according to " housing and buildings exploitation in doing energy savings according to big problems available ".

of Uzbekistan common energy in the balance sheet public of buildings consumption share industry and the transport sector behind leaving about 60 percent _ organize is doing

It's November 11 day Energy Ministry and the world bank in cooperation held " Buildings _ energy efficiency increase program work on the exit » topic circle in the conversation It was reported that it was emphasized will give Energy Ministry the press service _

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Housing and communal services service to show minister of the deputy at the event known According to him , in Uzbekistan main from problems one this energy savings issue with depends being remains _
Energetic of the audit wide current to be restored energy from sources use important and yet complete attraction not done from reserves one is considered He is in the future natural gas and oil deficiency the problem solution to do will help and of experts to his words according to consumers to energy expendable expenses two even saving can _
Housing construction _ modern trends one construction planned of houses convenience , ecological and energy efficiency account received without design and to build their work take to go
To us known the world scale main energy sources into (oil , gas and coal) reserves is considered Experts to calculations according to , energy sources maximum use duration up to 100 years continue reach possible _ Many developed countries energy of consumption almost half to houses right will come That's why for resources save main methods one of buildings energy efficiency improve is considered
Energy thrifty the house design main principle this of the building strong construction and therefore with together alternative energy from sources use through ventilation and heating from systems without using comfortable internal the temperature save is to get Such houses classification criteria energy consumption is : if per year buildings heating costs from 90 kWh /m2 less if home energy thrifty is _ from 45 kVh /m2 less if energy less saves ; From 15 kWh / m2 less if energy consumption zero is (heating for never thing not spent , but Hot the water preparation for energy Demand will be done).
of the building energy consumption the sun from radiation , two layered closed from structures and of the building engineering equipment computer from management efficient use at the expense of decreased _ This of the project done increase whole in the world energy thrifty buildings to the construction the ground created _
The sun of collectors common area is 1248 m2. Energy savings technology and alternative energy consumption traditional to the houses relative to 40% energy spending reduces _
Energy spending maximum level reduce for planning the following constructive and engineering solutions is used .
Planning point of view in terms of 1-3 floors houses and their facade in the part walls area reduce (window put) and that's it through heat to be lost prevention get _
That's why with together the main thing access in the part of the drum design and home to the south looked at in case construction need will be because , the house heating for main heat source the sun energy is considered
To the houses another buildings and trees shadow touching took is taken . of walls heat transmission resistance from 0.15 kW /m2 not to exceed it is necessary for internal or two lateral (internal and external) heat insulation application necessary _
Above counting passed solutions Uzbekistan the climate account received without the most optimal and right work developed solutions is considered

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