



List of Educational Programs: Renewable sources of energy. Ecology

Form of Training: full-time

№ пп	Set number	Title of the Educational Program	Main Category	Description	Language of Training: 1	Target Audience: 1	Training Period	Cost (in USD)
1	5.1.01	Operating Principle and Maintenance of Photovoltaic Panels	Professional courses	During the training, you will learn: the operating principle and functioning mode of photovoltaic panels; classification of photovoltaic panels; correct installation and connection of panels; safety requirements while working with photovoltaic panels. As a result of training, you will be able to: choose the installation option and put the photovoltaic panel into operation.	Russian, English (accompanied by an Interpreter)	Youth and adults	From 1 week	120
2	5.1.02	Construction and Maintenance of Small Wind Power Plants	Professional courses	As a result of training, you will learn: the operating principle and functioning mode of wind turbines, the physical fundamentals of the operation of wind turbines. As a result of training, you will be able to: conduct experiments to determine the main characteristics and methods of controlling the power of wind turbines, carry out installation and start-up of an asynchronous generator of double power supply, adjustment of the generator's operation at variable wind strength and regulation of the output voltage and frequency.	Russian, English (accompanied by an Interpreter)	Youth and adults, students of secondary specialized institutions/higher educational institutions, young scientists	From 1 week	120
3	5.1.03	Efficiency of Using Heat Pumps in Civil Engineering	Professional courses	As a result of training, you will learn the operating principle and functioning mode of heat pumps; classification of heat pumps depending on the heat source; options for	Russian, English (accompanied by an Interpreter)	Youth and adults, students of secondary specialized institutions/higher educational institutions,	From 1 week	180

				connection schemes for heat pumps; the main parameters for determining the efficiency of the heat pump; safety requirements while working with heat pumps.		young scientists, organization/enterprise personnel, vocational training instructors		
4	5.1.04	Solar Collector Operation in Everyday Life	Professional courses	As a result of training, you will know: the operating principle and functioning mode of solar collector; classification of gelcollectors; configuring the controller; safety requirements when working with heat pumps. You will be able to put into operation a solar collector and tune the controller to the specified operating modes.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions/ higher educational institutions, young scientists, organization/enterprise personnel, teachers, vocational training instructors	From 1 day	120