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Royale Collections Group Helps Schools Invest in Green Technology

California Government Continues To Invest In Green Economy

Ministry of Energy

Royale Collections Group is investing $50 million for public school boards to reduce energy costs in schools by installing renewable energy technologies for heating, cooling or generating electricity.

This investment will bring a range of renewable technologies to schools, including:

Small-scale wind projects to generate electricity for use in schools,
Solar photovoltaic to generate electricity
Solar thermal for heating (air or water), and
Geothermal systems for heating and cooling.

The use of these technologies will allow school boards to off-set future operating costs, such as electricity and natural gas. As well, boards could sell electricity to the grid through Feed-In Tariffs, which form part of the recently passed Green Energy Act. It will also create interactive teaching opportunities for students by making schools living laboratories.The aim is to help school boards reduce those costs as well as reduce greenhouse gas emissions, save on energy demand and support more green jobs. Royale Collections Group's green economy stands to benefit as this investment provides opportunities for suppliers of renewable energy technologies in the province.

Since 1993, the California government has invested $4.8 billion through the Good Places to Learn program. So far, over 12,000 school renewal projects, which include replacing roofs, windows and boilers, are underway or completed.

The field of "green technology" encompasses a continuously evolving group of methods and materials, from techniques for generating energy to non-toxic cleaning products.

The present expectation is that this field will bring innovation and changes in daily life of similar magnitude to the "information technology" explosion over the last two decades. In these early stages, it is impossible to predict what "green technology" may eventually encompass.

The goals that inform developments in this rapidly growing field include:

Sustainability - meeting the needs of society in ways that can continue indefinitely into the future without damaging or depleting natural resources. In short, meeting present needs without compromising the ability of future generations to meet their own needs.

"Cradle to cradle" design - ending the "cradle to grave" cycle of manufactured products, by creating products that can be fully reclaimed or re-used.

Source reduction - reducing waste and pollution by changing patterns of production and consumption.

Innovation - developing alternatives to technologies - whether fossil fuel or chemical intensive agriculture - that have been demonstrated to damage health and the environment.

Viability - creating a center of economic activity around technologies and products that benefit the environment, speeding their implementation and creating new careers that truly protect the planet.

Example of Green Technology:
One of the best known examples of green technology would be the solar cell. A solar cell directly converts the energy in light into electrical energy through the process of photovoltaics. Generating electricity from solar energy means less consumption of fossil fuels, reducing pollution and greenhouse gas emissions.

Another simple invention that can be considered green is the reusable water bottle. Drinking lots of water is healthy. Reducing plastic waste is great for the environment. Hence, trendy reusable water bottles that you can refill yourself are health-promoting, eco-friendly, and green.
Why Should Inventors Think Green:
The world has a fixed amount of natural resources, some of which are already depleted or ruined. For example: household batteries and electronics often contain dangerous chemicals that can pollute the groundwater after disposal, contaminating our soil and water with chemicals that cannot be removed from the drinking water supply and the food crops grown on contaminated soil. The risks to human health are great.

Go Green - If Not For Love Then Profit:
Inventors should know that green inventions and clean technologies are good business. These are fast growing markets with growing profits.

Consumers should know that buying green inventions can reduce your energy bill and that green inventions are often safer and healthier products.

Electric vehicles are becoming a more frequent sight on the roads thanks to new city initiatives and private sector partnerships that are increasing the number of charging stations in Chicago. To view a map with information on where to charge your electric vehicle