

Abe Issa former executive of EnviroSolar Discusses the Role of Carbon Capture and Storage

EnviroSolar's previous CEO Abe Issa on how utilities and manufacturers play a central role in climate control



Colorado, Denver, Aug 6, 2021 ([Issuewire.com](https://www.issuewire.com)) - Investing in renewable energy—such as solar and wind to reduce greenhouse gas emissions— is only one part of a total strategy required to address global warming, according to [Abe Issa](#). As the previous CEO of America's leading company for solar, smart home, and security solutions, he believes there is a need for various tools and strategies that include new technologies to help utilities and manufacturers capture and store carbon dioxide (CO₂).

What is carbon capture and storage?

Carbon capture and storage or CCS technologies can significantly reduce CO₂ emissions from manufacturing and existing coal- and gas-fired power plants. When paired with solar power generation, these two systems have the ability to greatly diminish [energy usage](#) while also recouping almost all the CO₂ that companies produce up to 90 or even 100 percent.

The captured carbon can then be put back into industrial processes rather than storing it permanently. [EnviroSolar](#) already plays a key role in reducing carbon emissions by allowing residential and commercial property owners to control their energy costs and usage with state-of-art solar panel installations.

While [carbon capture and storage](#) technology are still in development, [Abe Issa](#) believes the benefits of pursuing this technology will outweigh the costs and be critical to future climate control initiatives.

The Benefits of Carbon Capture

When CO₂ is captured and stored, the product can be put back into manufacturing processes that require technical chemicals such as making plastics and soft foams. This would also assist in the creation of thousands of new jobs to support the installation and operation of CCS equipment.

The greatest benefit of carbon capture is that CO₂ is not being released into the air. Instead, it can be pressurized to create a thermal fluid to power generators and turbines. Additionally, the captured carbon can be used to support future infrastructure projects because CO₂ can be used to stabilize and strengthen concrete mixtures.

In addition to implementing the research and manpower to support CCS technologies, the US can further combat climate change by limiting fossil fuel production on public lands, and with the banning of hydraulic fracturing,

EnviroSolar on Climate Control Initiatives

EnviroSolar is already playing its part in supplying energy for a future that promotes clean air and water. As more homes and businesses opt for [solar panel installations](#), and more governments put more climate initiatives into place, the world will experience a significant reduction in emissions.

CCS technology requires energy to operate. This is where wind and solar power can help. As [renewable energy](#) sources continue to drop in price and expand in capability, these two technologies may play a significant role in curbing greenhouse gas emissions.

Climate control is handled by governments as a foreign policy issue. However, [Abe Issa](#) believes that the United States must take a lead and central role by supporting companies like EnviroSolar and new technologies like carbon capture and storage.

According to a European Commission study "CCS produces climate change benefits as a result of reduced CO₂ emissions. These benefits significantly reduce climate-related damage to human health, by 74% for pulverized coal (PC), 78% for coal-based integrated gasification combined cycle (IGCC), and 68% for natural gas combined cycle (NGCC) power plants with CCS, compared with conventional power plants without CCS."

These are significant numbers that can change the world's trajectory as we charge forward in a world that must commit to renewable energy sources and eliminate the use of fossil fuels.

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