

Sustainable Energy



Why use Sustainable Energy?

- It reduces carbon emissions.
- Lowers and regulates energy bills.
- Decreases dependence on fossil fuels.
- Government incentives are available for installation.



Sustainable Energy SUGGESTIONS & TIPS



Benefits of Sustainable Energy in you Home

- It reduces greenhouse gas emissions, air and water pollution in your local area.
- Reduces and regulates or removes fuel bills.

First steps

- Take advantage of government incentives and rebates for renewable energy installations.
- Conduct an energy audit to identify areas for improvement in energy efficiency.



Solar Electric



Key Benefits of Solar Panels

- They cut electricity bills.
- Reduce carbon footprint.
- Require minimal maintenance.
- Can use Government funding available.
- Increase value of home.



Solar Electric SUGGESTIONS & TIPS



How Solar Panels Generate Power

- They convert sunlight into electricity using photovoltaic cells.
- Work effectively even on cloudy days.

Why Choose Solar Energy?

- Save significantly on energy bills.
- Reduce reliance on fossil fuels and emissions.



Battery Storage



Key Benefits of Energy Storage

- Store excess renewable energy
- Use energy during peak hours
- Lower electricity bills
- Reduce grid reliance
- Increase power reliability



Battery Storage

SUGGESTIONS & TIPS



How Energy Storage Works

- Collects and keeps extra energy from solar panels or wind.
- Supplies power to your home when needed, like at night.

Why Store Energy?

- Save money by using stored energy during expensive peak times.
- Have a backup power source during outages or when the grid is down.



Solar Water Heating



Benefits of Solar Water Heating

- It provides free hot water from the sun.
- Cuts down on gas or electric bills.
- Reduces carbon emissions.
- Works year-round, even in winter.
- Low maintenance after installation.



Solar Water Heating SUGGESTIONS & TIPS



How Solar Water Heating Works

- It uses solar collectors on the roof to capture sunlight and convert it into heat.
- The heat is transferred to your water tank, providing hot water for your home.

Why Choose Solar Water Heating?

- You can save money on your energy bills by using free solar energy to heat your water.
- You have a reliable hot water supply, even during cloudy days and winter months.



Air Source Heat Pumps



Benefits of ASHPs

- They heat your home with outside air.
- Save on heating and cooling costs.
- Lower carbon emissions.
- Work in cold and hot weather.
- Are easy to install and maintain.



Air Source Heat Pumps

SUGGESTIONS & TIPS



How Air Source Heat Pumps Work

- They absorb heat from the outside air and transfer it inside to heat your home.
- Can also work in reverse to cool your home in the summer, using the same system.

Why Choose Air Source Heat Pumps?

- They reduce your energy bills by using renewable energy.
- They are environmentally friendly, reliable and quiet solution to heat your home.



Ground Source Heat Pumps



Benefits of GSHPs

- Lower heating and cooling costs
- Lower carbon emissions
- Consistent energy year-round
- Low maintenance and long lifespan



Ground Source Heat Pumps

SUGGESTIONS & TIPS



How Ground Source Heat Pumps Work

- They extract heat from the ground using buried pipes and transfer it to your home.
- Can cool your home by reversing the process, transferring heat back into the ground.

Why Choose Ground Source Heat Pumps?

- They reduce your energy bills.
- Are environmentally friendly, significantly reducing your reliance on fossil fuels and lowering greenhouse gas emissions.

