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## GREENGEEKS: A COMPLETE GUIDE ON ECHO-FRIENDLY HOSTING

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### *GreenGeeks: Green Hosting*

A Complete Guide on why we should opt for Echo-Friendly hosting?

How GreenGeeks is reducing its carbon print and helping the environment sustainability?

What is Renewable Energy?

Why should we opt for Renewable Energy to further save the environment?



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# GreenGeeks: A Complete Guide On Echo-Friendly Hosting

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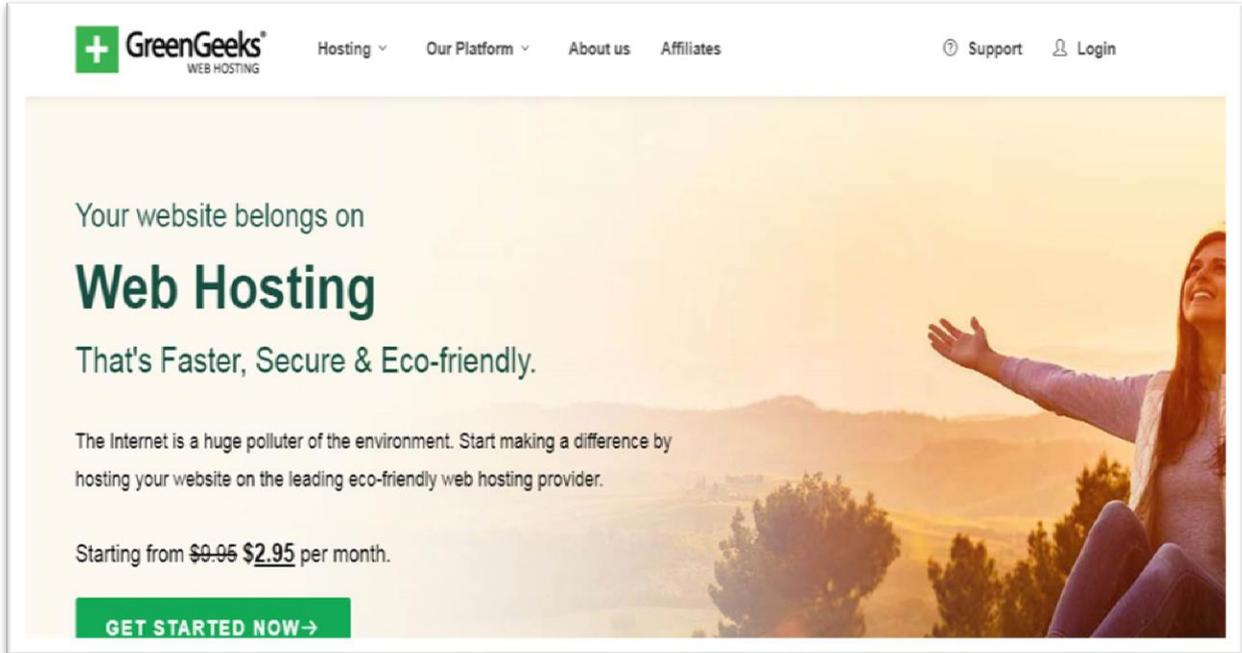
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# GreenGeeks: A Complete Guide On Echo-Friendly Hosting

## Green Geeks: A Complete Guide on why we should opt for Echo-Friendly hosting?



Hey, welcome to the Echo-Friendly **GreenGeeks world's number one** Green Energy web hosting provider.

Usually when we want to choose a web hosting provider we look for

- Speed
- Security
- Support
- Scalability and
- Stability (up-time)

These 5 'S' are the deciding factors for someone who is looking for a hosting provider. Not in any particular order but all are important factors.

However, as responsible citizens I guess we need to look for one more "S" before we buy any products from the web hosting companies.

That is "**Sustainability**".

Because it is not only the responsibility of the organizations to provide green products but as a consumer we too should be responsible in matters of the environment.

That is being responsible and consciously choosing and deciding on our purchases.

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Did I purchase? No, because when I purchased my hosting plan, I was not aware that such Echo-friendly web hosting providers are available.

Recently I came to know from some other blog that there are echo friendly hosting(s) too.

So my journey started on to investigate and research more on this sustainability hosting.

And, you don't believe I was astonished to know the facts how internet can pollute the world where we live in.

Yes, I did know that systems generate heat. However, what I did not know is that systems carbon print is in par with the **Airline Industry**.

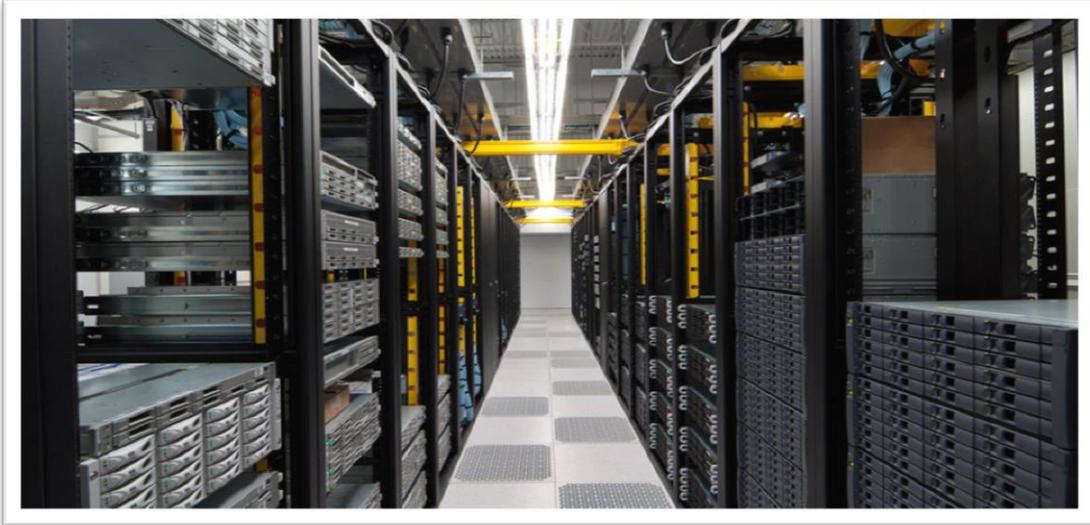
Right now, let us see how GreenGeeks a hosting company is contributing to the environment by providing echo friendly hosting services to the customers.

Before that, first, let us see why do we need to opt for Echo-friendly web hosting?



# GreenGeeks: A Complete Guide On Echo-Friendly Hosting

## Why do we need to opt for Echo-friendly web hosting?



Do you know that the internet data centers are the enormous energy guzzlers?

Moreover, each data hosting centers has thousands (millions) of servers stacked on top of each other in rows of racks running 24/7, 365 days nonstop.

Imagine all the racked up servers running all day consuming mammoth of energy generating heat might damage the servers eventually. To mitigate that heat, they are blasted with arctic temperatures air all day every day.

More than the internet server power utilization, from this total energy consumption **40% of the energy is used** to keep those servers from overheating.

The energy that comes into these data centers is mostly from power grids that produce energy from polluting sources like fossil fuels, Gas and Oil that emit enormous amount of carbon dioxide into our environment.

So how can we solve this problem?

Well, though we might not be able to solve all of the problems. However, first acknowledging the fact and doing something towards it is what matters.

GreenGeeks solution is, using **renewable energy**, energy that is produced from the natural resources like, sun (solar), water, Biomass and Thermodynamics.

So let us see what is renewable energy?

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## What is renewable energy?

Renewable energy is a source of energy that is not depleted by use. For example, solar, wind, water (Hydroelectric), Biomass, and Geothermal power. This energy is produced from the natural resources that are always available in the environment.

Unlike the fossil fuels which are limited in supply and deplete eventually.

For example, Coal, gas, oil when used in power generation produce enormous amount of carbon dioxide into the air, polluting our air, polluting us and the environment.



Further down, we will read how GreenGeeks is using the renewable energy in their facilities.

But, before that let us see

## Why we should use renewable energy?

Internet is the fastest growing carbon polluting industry and might grow even further surpassing all other industries. As more and more users start using the internet globally so does the pollution.

Read this!

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In 2012 there were 500,000 data centers worldwide. Today there are **8 million data centers** worldwide, this is an increase of **16 fold in 7 years**.

Today, datacenters account for 2% of the carbon emissions. That is equal to as much as present day **Airline industry**.

This is not going to stop here.

During the pandemic many started to use more internet services like never before. This means more carbon emission in the future.

Data center pollution is expected to grow to **14% of the world carbon emission** as much as the United States of America by 2040. (This data is before pandemic)

Now, if you are further interested to read more facts on this subject, you can head over [here](#).

These are some of the reasons why we have to opt for an echo-friendly hosting.

Later, we will see how GreenGeeks is [using the renewable energy](#) in their facilities and contributing to the green environment. If you want to jump right over there you can click [here](#).

If you are further interested in reading what is Global warming? What is climate change?

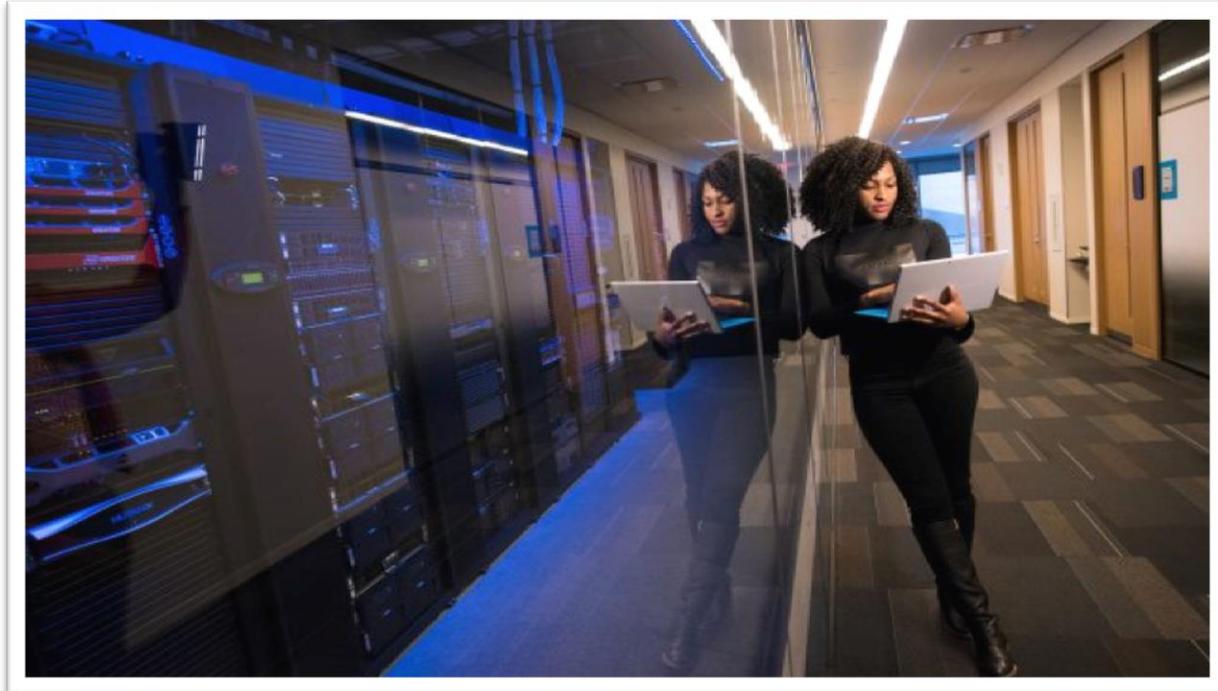
How does it affect us? You can head [over here](#) for further readings.

Now, let us quickly breeze through what is web hosting?....



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## What is web hosting or hosting company?



Hosting company is one who houses your blog or website on the web for certain period on rent.

Just like a host hosts guests at their house for a certain period. A hosting company hosts your blog on their servers for certain period on a contract. Hosting companies are responsible for the maintenance and management of your blog or website.

Here, for the hosting company you pay a certain amount according to the time period.

Most hosting companies offer

- **Monthly** or
- **Yearly** or
- **More than a year** (24 Months or 36 Months)

Moreover, there would be **different packages** to choose from according to your plan, your requirements and your affording capacity.

Alright, next let us see Why opt for Echo-friendly GreenGeeks?

# GreenGeeks: A Complete Guide On Echo-Friendly Hosting

## Why opt for Echo-friendly GreenGeeks?

### Who are GreenGeeks?

GreenGeeks is a green web hosting provider.

### What is the distinctive factor in GreenGeeks from the other hosting companies?

GreenGeeks is a leading Echo-friendly web hosting provider that uses renewable energy.

GreenGeeks motto from the start is to provide echo-friendly hosting to their customers.

### What is Echo-friendly hosting?

Echo-friendly means, a hosting platform that is built to be as energy efficient as possible by reducing the carbon print in the environment.

### Why should I opt for Echo-friendly hosting?

To provide a helping hand in making a difference by hosting on a platform that is helping the environment by being Echo-friendly.

### What does GreenGeeks do to stand by Echo-friendly hosting?

GreenGeeks had partnered with Bonneville Environmental Foundation (BEF) in Portland, Oregon which is a Green e-partner that produces renewable energy.

BEF provides GreenGeeks an estimation of the power that might be consumed by the GreenGeeks based on the GreenGeeks many servers, personnel and the facilities.

Then, GreenGeeks purchases REC (Renewable Energy Credits) from the **BEF, 3 times** more than what GreenGeeks consumes. The remaining REC's are put back into the grid that can be used by other individuals or companies.

So GreenGeeks is purchasing energy for their own consumption, at the same time purchasing the REC's for two other companies the size of GreenGeeks.

For example, just to make you understand, let us assume that if GreenGeeks consumes 6 Units of energy from their servers, personnel and facilities.

Now, GreenGeeks purchases in total 18 Units of REC's (6\*3) from the BEF. The remaining 12 Units of renewable energy are placed back into the Grid. And, those 12 units of renewable energy can be used by the other individuals or companies.

This means, as GreenGeeks consumer base increases so does the consumption of energy increases and so does the purchase of REC's that can provide energy for two other companies the size of GreenGeeks.

## GreenGeeks: A Complete Guide On Echo-Friendly Hosting

This is the GreenGeeks commitment to the environment and a differentiating factor from their competitors.

Now, as a customer of GreenGeeks you will be contributing and helping the environment by partnering with echo-friendly hosting.



Now, the question, what is renewable energy?

### What is renewable energy?

Renewable energy is a source of energy that is not depleted by use. For example, solar, wind, water (Hydroelectric), Biomass, and Geothermal power. This energy is produced from the natural resources that are always available in the environment.

Unlike the fossil fuels which are limited in supply and deplete eventually. For example, Coal, gas, oil when used for energy generation emits Carbon dioxide into the air, polluting our air, polluting us and the environment.

Here are some facts on using **Fossil Fuels** for energy generation from [Union of Concerned Scientist](#).

Producing electricity/power is a **major source of air pollution** and **single largest** source of global warming in the U.S. and many other countries.

The power sector is a leading source of **cancer-causing air pollution**, and the nation's **second-largest** source of **carbon dioxide**.

And, **63% of US** electricity is still from Fossil fuels.

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## What are RECs?

Renewable Energy credits or certificates or green energy certificates or tradable renewable certificates are proof that energy has been generated from renewable sources such as wind or wind power.

Each REC represents the environmental benefits of 1MWh of renewable energy generation.

When you purchase RECs, renewable energy is generated on your behalf.

GreenGeeks: KWH/year Replaced 615000+

