



# Solar Panel Cleaning

Clean D Window Cleaning



## HOW OFTEN SHOULD YOU CLEAN YOUR SOLAR PANELS?

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- At least **twice a year**
- You could be losing up to the following percentages per quarter, if regular cleaning isn't on your agenda:
  - Year 1 Q1: 5% Energy Loss
  - Year 1 Q2: 10% Energy Loss
  - Year 1 Q3: 15% Energy Loss
  - Year 1 Q4: 20% Energy Loss
  - Year 2 Q1: 25% Energy Loss
  - Year 2 Q2: 30% Energy Loss
  - Year 2 Q3: 35% Energy Loss
  - Year 2 Q4: 40% Energy Loss





## HOW MUCH DOES SOLAR PANEL CLEANING COST?

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- Between **\$2-\$3 per panel**
- Now, these prices can fluctuate based on the amount of the work required, size of the solar panels, location, and the height and slant of the panels.







## DOES THE RAIN CLEAN MY SOLAR PANELS?

In most cases, rain will be enough to naturally keep your solar panels clean. Although, Arizona only gets **8 inches** of rain on average each year.

Therefore, in a dry climate where dust buildup is the main issue, the problem remains pretty simple: a **lack of rain** results in **dust buildup** that progressively gets worse the longer the dry spell lasts. “Long periods without rain, results in daily energy losses that can be **higher than 20%**” (Blue Raven Solar, 2019).

Think about it: if rain was really an effective method of cleaning, then why is the car wash everyone’s first stop when a rainstorm ends?



## WHY SHOULD YOU CLEAN YOUR SOLAR PANELS?

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- “An annual clean up has been found to **improve** energy output by as much as **12%** when compared to panels that were only cleaned by rainfall” (Luminar Solar, 2019).
- Everything from dust to grime to bird droppings can get on your solar panels and cause efficiency problems. Bird droppings are obvious. Dust, grime, and pollen are less obvious, but they DO reduce efficiency





## SOLAR PANEL CLEANING SERVICES

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In the Valley of the Sun, cleaning your solar panels is more important than ever! Due to the long dry seasons, high dust, and pollution your panels are **losing their efficiency** output.

A good rule of thumb is to arrange for a cleaning **at least every six months**. Preferably, have the cleaning at the end of the winter and summer, as these seasons will see a lot of residue build ups!

★ June and December





# CONTACT US

Clean D Window Cleaning will come up  
with a plan of service to make your solar  
panels look brand-new and streak-free!

**(480) 557-6219**

[CleanDWindows.com](http://CleanDWindows.com)







## References

*Cleaning solar panels: why, when and how you should do it.* (2020, July 22). Energy Matters.

<https://www.energymatters.com.au/renewable-news/solar-panels-cleaning/>

*How Often Do You Need to Clean Your Solar Panels?* (2019, October 19). Luminar Solar.

<https://www.luminasolar.com/blog/how-often-do-you-need-to-clean-your-solar-panels#:~:text=Beyond%20basic%20debris%20removing%2C%20it,were%20only%20cleaned%20by%20rainfall>

*SOLAR PANEL CLEANING.* (2020). Royal Flush.

<https://www.rffm.com.au/solar-panel-cleaning>