

Lululemon Athletica Inc. - Moving Forward With Humility

Thecasesolutions.com

Solar Power

Thecasesolutions.com

- Converts sun rays into electricity by utilizing solar panels
- A 5 kW cost about \$25,000 to \$30,000
- Takes 20 years to pay back
- Need little maintenance
- stores and utilizes energy
- takes 1 to 2 days to install
- solar panels can last up to 202 years



Wind Power

Thecasesolutions.com

- Uses wind turbines to convert wind into electricity
- A 10kW system cost \$48,000 to \$60,000
- takes little maintenance
- payback will take 6 to 30 years
- takes 6 months to set up
- wind turbines can last up to 25 years



Hydrogen Solutions

Thecasesolutions.com

- takes a lot of maintenance daily
- has a lot of parts to maintain
- hydrogen solution uses plant material and animal waste to create electricity by burning it
- the system last 20 years
- takes 2 days to set up
- system need to near a trailer or burner



My Choice

Thecasesolutions.com



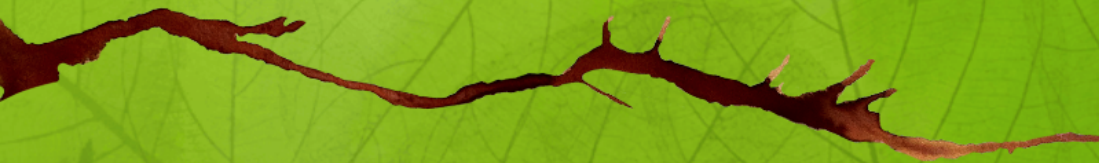
Wind Power

Thecasesolutions.com

Wind power is a clean, renewable energy source that can be used to generate electricity. It is a sustainable and cost-effective way to power your business. Wind turbines are available in a variety of sizes and can be installed in a variety of locations. They are easy to maintain and can last for many years. Wind power is a great choice for businesses that want to reduce their carbon footprint and save money on energy costs.

Lululemon Athletica Inc. - Moving Forward With Humility

Thecasesolutions.com



Solar Power
Thecasesolutions.com

- Converts sun rays into electricity by utilizing solar panels.
- A 5 kW cost about \$25,000 to \$30,00.
- Takes 20 years to pay back
- Need little maintenance
- stores and utilizes energy
- takes 1 to 2 days to install
- solar panels can last up to 202 years



Wind Power
Thecasesolutions.com

- Uses wind turbines to convert wind into electricity
- A 10kW system cost \$48,000 to \$50,000
- takes little maintenance
- payback will take 6 to 30 years
- takes 6 months to set up
- wind turbines can last up to 25 years



Biomass Solutions
Thecasesolutions.com

- takes a lot of maintenance daily
- have a lot of parts to maintain
- biomass solution uses plant material and animal waste to create electricity by burning it
- the system last 20 years
- takes 2 days to set up
- system must be near a heater or burner



My Choice
Thecasesolutions.com



My Choice
Thecasesolutions.com

Solar Power

Thecasesolutions.com

- Converts sun rays into electricity by utilizing solar panels.
- A 5 kW cost about \$25,000 to \$30,00.
- Takes 20 years to pay back
- Need little maintenance
- stores and utilizes energy
- takes 1 to 2 days to install
- solar panels can last up to 202 years

Thecasesolutions.com



Thecasesolutions.com



Wind Power

Thecasesolutions.com

- Uses wind turbines to convert wind into electricity
- A 10kW system cost \$48,000 to \$60,000
- takes little maintenance
- payback will take 6 to 30 years
- takes 6 months to set up
- wind turbines can last up to 25 years

Thecasesolutions.com



Thecasesolutions.com



Biomass Solution

Thecasesolutions.com

- takes a lot of maintenance daily
- has a lot of parts to maintain
- biomass solution uses plant material and animal waste to create electricity by burning it
- the system last 20 years
- takes 2 days to set up
- system must be near a heater or burner



My Choice

Thecasesolutions.com

Out of the three options; solar power, wind power, and a biomass solution, i would choose the solar power system. While all these choices are green and will be a very educational learning experience for students, a solar power system is the best choice for a school. Wind turbines are amazing source of power, but will need to much land that the school does not have, and will cost more than a solar power system. A biomass system cost more than a wind power system and will require a lot of maintenance. The solar panels is the best choice for a school because it is the most cost effective, the school has the land to put the panels on, save the school money, good learning experience, saving the planet, and the setup is only one to two days (the school can set up the solar panels during the end of spring so the panels can charge up during the summer).



Work Cited

Thecasesolutions.com

Greenhouse Mangement. "Choosing the Best Biomass Heating Option." greenhousemag.com, Nov. 2009. www.greenhousemag.com/article/gm_1109_heating_sanford/.

---. "Choosing the Best Biomass Heating Option." greenhousemag.com, Nov. 2009. www.greenhousemag.com/article/gm_1109_heating_sanford/.

"How Biopower Works." ucsusa.org, 12 Nov. 2015. www.ucsusa.org/clean_energy/our-energy-choices/renewable-energy/how-biomass-energy-works.html#WRm30UuLcu.

"HOW DO WIND TURBINES WORK?" energy.gov, energy.gov/eere/wind/how-do-wind-turbines-work.

"How Much Does it Cost to Install Solar on an Average US House?" solarpowerauthority.com, 25 Apr. 2016. www.solarpowerauthority.com/how-much-does-it-cost-to-install-solar-on-an-average-us-house/.

Lombardo, Tom. "What Is the Lifespan of a Solar Panel?" engineering.com, 20 Mar. 2014. www.engineering.com/DesignerEdge/DesignerEdgeArticles/ArticleID/7475/What-Is-the-Lifespan-of-a-Solar-Panel.aspx.

--. "What Is the Lifespan of a Solar Panel?" engineering.com, 20 Mar. 2014. www.engineering.com/DesignerEdge/DesignerEdgeArticles/ArticleID/7475/What-Is-the-Lifespan-of-a-Solar-Panel.aspx.

"Maintaining your biomass system HEATING." hegreenage.co.uk, www.thegreenage.co.uk/tech/maintaining-your-biomass-system/.

"Small Wind Turbines for Homes & Businesses." <http://bergey.com>, bergey.com/wind-school/residential-wind-energy-systems.

"Solar Energy Basics." nrel.gov, www.nrel.gov/workingwithus/re-solar.html. Accessed 12 May 2017.

Stockley, Louisa. "How to compare biomass boilers." energymyway.co.uk, 31 Oct. 2013. www.energymyway.co.uk/news/biomass-boiler/.

---. "How to compare biomass boilers." energymyway.co.uk, 31 Oct. 2013. www.energymyway.co.uk/news/biomass-boiler/.

TECHNOLOGIST ONLINE. "Life cycle of a wind turbine." technologist.eu, 27 July 2015. www.technologist.eu/life-cycle-of-a-wind-turbine/.

---. "Life cycle of a wind turbine." technologist.eu, 27 July 2015. www.technologist.eu/life-cycle-of-a-wind-turbine/.

U.S. Department of Energy Federal Energy Management Program (FEMP). "BIOMASS FOR ELECTRICITY GENERATION." wbdg.org, 15 Sept. 2016. www.wbdg.org/resources/biomass-electricity-generation.

--. "BIOMASS FOR ELECTRICITY GENERATION." wbdg.org, 15 Sept. 2016. www.wbdg.org/resources/biomass-electricity-generation.