
Haverstraw King's Daughters Public Library

December 31, 2019



Organizational Commitment

Hello there from HKDPL's Green Team:

Tip of the week: Take the Stairs

Elevator usage contributes to a significant fraction of the total energy used in buildings today.

Need a good reason to take the stairs? Here are six of them: <https://www.verywellhealth.com/reasons-to-take-the-stairs-2509609>

Green Tip #5 – Get Outdoors

Monday will mark the first day of Autumn. Cooler temperatures are a perfect opportunity to be outside. Recent research is showing that spending time outdoors can improve mood, concentration, lower stress, and improve overall health. "[Forest Bathing](#)" is growing in popularity across the world. How can you get some outside time?

- Eat your lunch outside. At the Main Library we have a wonderful picnic bench outside the break room (thank you custodial staff!). At the Village Branch, munch on the stone wall, the benches overlooking the park, the benches in the park by the water, and then walk along the beach for some additional soothing sounds of water lapping.

Tip of the week: Discontinue the use of screen savers on all computers.

"Screen savers protect screens by providing moving images at times of user inactivity. The simplest way to protect a screen (if not in use) is to switch it off. Most screen savers use the same amount of energy as when the screen is in normal use. Some more sophisticated screen savers actually use more energy"

~ <https://www.environment.admin.cam.ac.uk/resources/mythbusters-facts-top-tips/screens>

- Our environmental policy is in place and accessible to all employees
- Our green team took a trip to tour our local recycling center & arranged an information workshop for our staff
- Environmental topics are included in department meetings and administration meetings

Green Team:

Catherine Campos, Claudia Depkin,
Debbie DiBernardo, Terry Eagle, Nicola
McDonald, Julio Morales,
Annadora Pedro, Lori Salotto,
Elyse Stoller



Green team tips sent to staff bimonthly

Green Community Efforts

- We share “green tips” via a green section in our newsletters
- We donate unused materials to the public
- We hope to offer mobile shredding to the public use at least once yearly
- We highlight our nearby recycling facility that take battery/phone and other recyclables



HKDPL is Going GREEN

In an effort to become more environmentally responsible, HKDPL is participating in the Sustainable Library Certification Program (SLCP) through the New York Library Association. We want to keep you updated with various steps that we will take through the process and share some green tips that we share with all our staff.

So far we have:

- conducted an energy assessment identifying our energy use and strategies for adjustments.
- participated in a tour of our local recycling facility to get a better sense of waste management.

Energy

- We operate on about 15% LED lighting and have funding approval to upgrade to 100% by December 2020
- We have solar panel installed at our main branch
- Our thermostats operate on pre-set timers to monitor temperatures
- Restroom and other low use areas have auto on-off lighting sensors
- Printers are defaulted to 2-sided printing & screensavers have been discontinued

Haverstraw King's Daughters Public Library Environmental Metrics

	ReUsed or Recycled	Books Trees (lbs) (g)	Water	Green-house Gases (lbs)	Electricity (kwh)
End Destination of Book	5	6	57	10	16
Recycled	1	1	5	2	3
Reused	4	5	52	8	13
Recycled Totals	1	1	5	2	3
Reused Totals	4	5	52	8	13
Grand Totals	5	6	57	10	16

EXPLANATION OF DATA VALUES

REUSED BOOKS – This category is made up of the sum of books sold and donated. The reuse of these books is considered waste prevention. Reducing the volume of waste we create results in limiting the environmental impact of disposal or recycling¹.

RECYCLED BOOKS – Books we deem unsalable and not appropriate for donation to our participating literacy partners. Recycling books is termed waste reduction¹. Our recyclers report that the efficiency of recycling a book yields 97% of that book as usable fiber.

POUNDS OF BOOKS – The average weight of the outbound books that Better World Books has processed is 1.37 pounds. This average weight is multiplied by the number of books categorized as ReUsed. Recycled books are multiplied by the efficiency rating of generating recycled fiber (see Usable Fiber below).

TREES – The number of typical trees assumes a mix of hardwoods and softwoods 6-8inches in diameter and 40feet tall. The number of trees saved per ton of 100% recycled fiber produced is twenty four².

WATER (g) - There are 8,750 gallons of water saved per ton of paper produced when comparing 100% forest fiber sources to 100% postconsumer fiber².

Waste & Recycling

- We inventoried all electronics and placed a plan to purchase similar equipment to best maximize our resources
- We default to use color paper for printing fliers as opposed to color ink
- We've installed recycling bins and educated staff and patrons on proper disposal of various waste
- We repurpose scrap paper



Green Purchasing

- We created a purchase plan to replace current supplies with Certified Green Seal products
- Our paper is recycled with 30% minimum post-consumer content
- We eliminated disposable dishes & utensils purchases for staff & most programming
- We inventoried all electronics and have created a purchase plan



We started using a display cover for color fliers to advertise while printing fliers that patrons take on color paper with black ink to cut down on color ink usage.

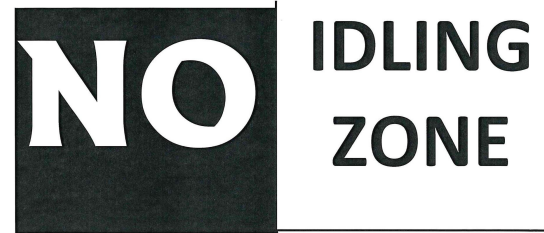
Water & Land Use



- We posted signs to remind staff and patrons to turn off faucets completely
 - Interior & exterior waste & recycling areas are consistently upkeep
 - Faucets at our Main building use sensors for auto on/off and we will upgrade others accordingly as necessary
-

Transportation

- We provide resources & encourage various transportation methods like bicycling, walking, carpooling
- We installed signage outside the library prohibiting idling vehicles
- We encourage staff to carpool for meetings
- We employ environmentally conscious decisions for business travel



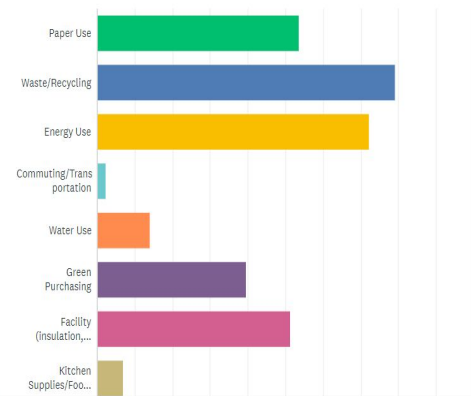
PLEASE TURN OFF YOUR
ENGINES

Staff Survey

Q9

What are the top 4 areas where you believe your organization should focus its efforts? (Please check only 4 boxes)

Answered: 43 Skipped: 2



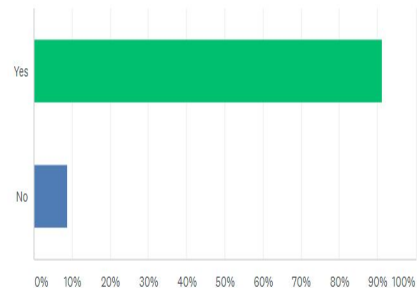
- 45 staff members took the survey
- Waste/Recycling, energy use and staff awareness are top three areas where staff think we should focus
- 67% of staff consider HKDPL to be environmentally friendly
- 100% who answered said it is worthwhile for us to investigate ways to be more environmentally responsible.

Q3



I consider myself to be an environmentally conscious person.

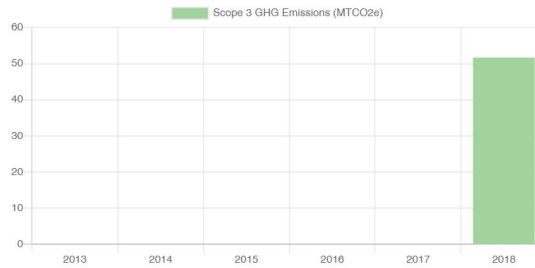
Answered: 45 Skipped: 0



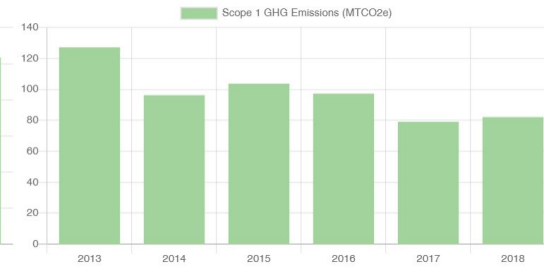
ANSWER CHOICES	RESPONSES	
Yes	91.11%	41
No	8.89%	4
TOTAL		45

Greenhouse Emission Results

Scope 3 GHG Emissions (MTCO₂e)

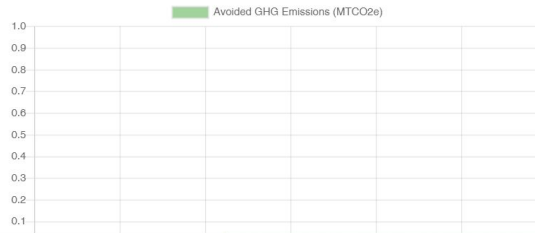


Scope 1 GHG Emissions (MTCO₂e)



note

Avoided GHG Emissions (MTCO₂e)



Scope 2 GHG Emissions (MTCO₂e)



Water (ccf)



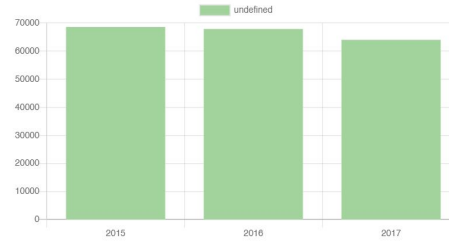
Metric Tons of CO2e Emissions per sq. ft.

The ratio metric tons of CO2e per square foot shows the relative greenhouse gas emissions released per square foot of the building. It allows to compare the company performance over time independent of the increase or decrease in the size of the building/s. It provides an insight into how efficient the building/s are after the change in square footage.

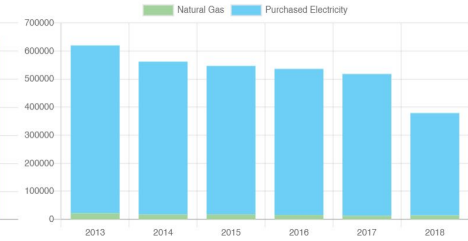
	2013	2014	2015	2016	2017	2018
Purchased Electricity metric tons of CO2e per sq. ft.	0	0	0	0	2.4065	1.0649
Natural Gas metric tons of CO2e per sq. ft.	0	0	0	0	2.1968	2.281

Employee Commuting (miles)	0	0	0	0	0	3817.0909
Waste (pounds)	0	0	0	0	0	3185049600
Water Usage (ccf)	864	2254	800	780	770	1729

Renewable Energy (kWh)



Energy Usage by Type



Usage analysis reveals how many units of each activity releasing greenhouse gas emissions were used or consumed.

	2013	2014	2015	2016	2017	2018
Energy Consumed Yearly	21506.1084	16958.52	17344.08	15316.32	12345	13952
Purchased Electricity (kWh)	590079.6288	532658.368	505620	496473.4528	503961.92	346725.2544
Heating Oil (gallons)						
Natural Gas (therms)	21443.7407	16225.9119	17481.0982	16396.1206	13327.662	13838.9888
Propane (gallons)						
Diesel (gallons)						
Energy Avoided Yearly (kWh)			68616.29	67885.385	64027.525	
Business Travel (miles)	0	0	0	0	0	4147.01
Fleet (miles)	0	0	0	0	0	0
Employee Commuting (miles)	0	0	0	0	0	3817.0909
Waste (pounds)	0	0	0	0	0	3185049600
Water Usage (ccf)	864	2254	800	780	770	1729

Future Goals

- Earth day celebration on April 22, 2020 and yearly after
- Creating a purchasing manual for green products and facilitate a more centralized purchasing policy
- Continue to review other areas and implement ways to become greener
- Received grant to complete full LED upgrade by December 2020

