A Brief Summary of RREP Most Significant Change Stories (MSC); Q1, 2020

UKaid from the British people

UNOPS

Rural Renewable Energy Project (RREP)

Rural Renewable Energy Project (RREP) is funded by the United Kingdom Department for International Development (DFID). The M&E work package of RREP collected all the most significant change stories (MSC) with information provided by the project beneficiaries. To learn more about project impact monitoring and MSC, contact Ariful Islam, M&E Specialist at arifuli@unops.org

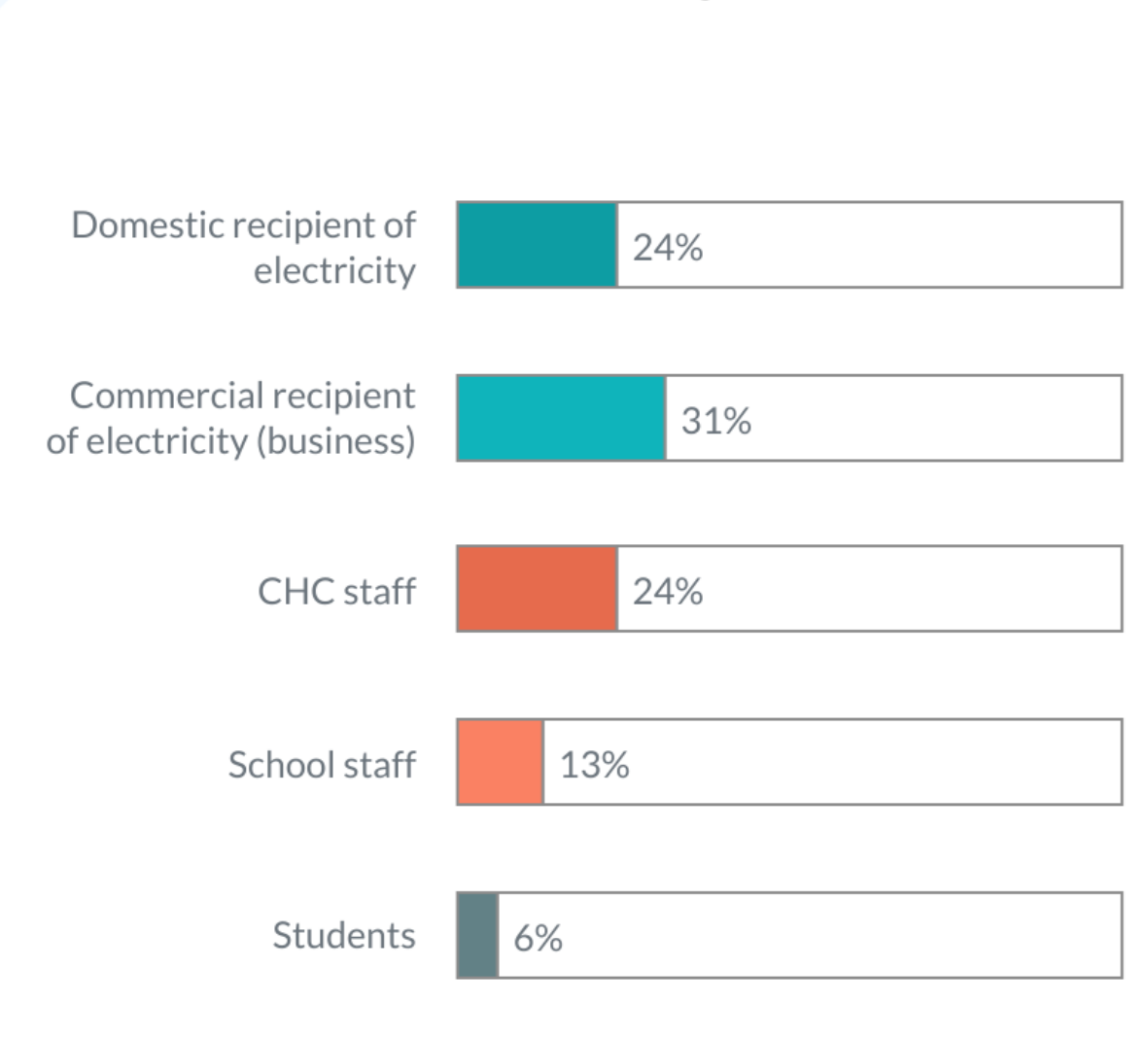
BACKGROUND & TYPE OF RESPONDENTS

Rural Renewable Energy project (RREP) is capturing the most significant change stories (MSC) as part of the project impact monitoring process (outcome harvesting) which entails a methodology to reach out to the project beneficiaries periodically and trace the domain of changes that happened as a result of electrification. The process also includes to gather the challenges, feedback and negative consequences realized by the beneficiaries of different categories.

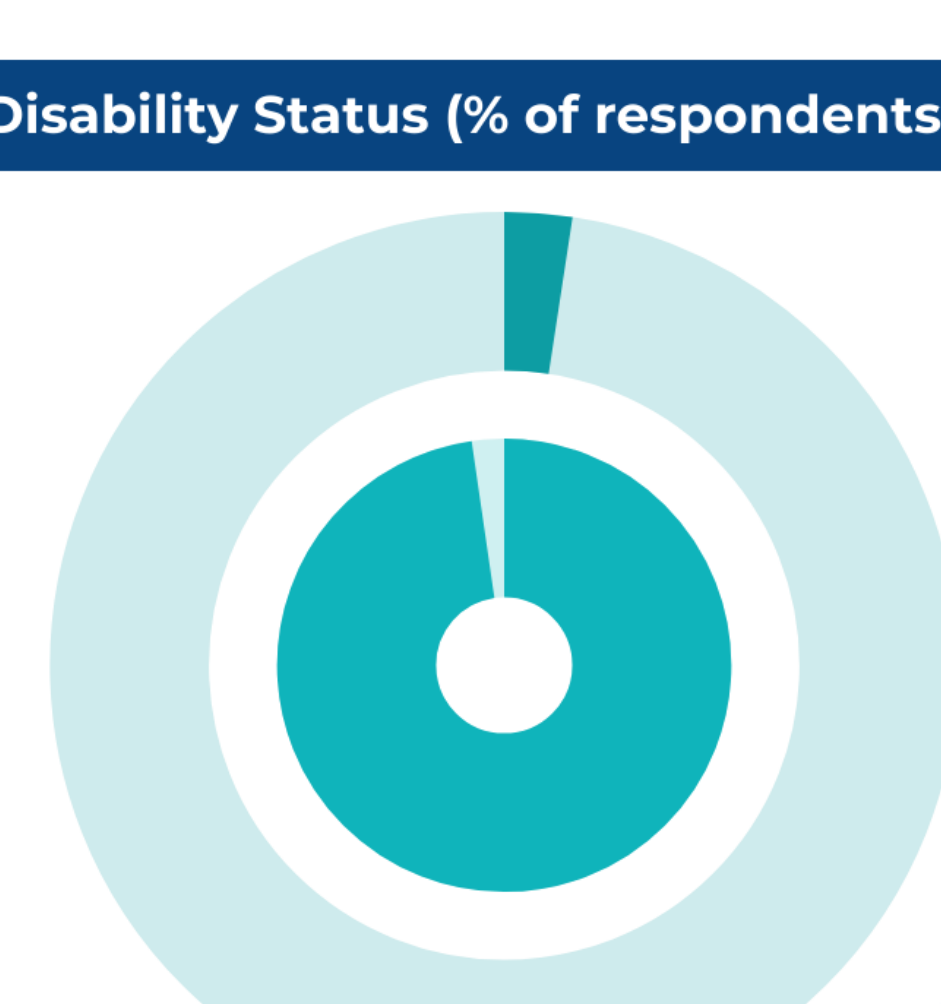
83 Total no. of respondents

49% Male Respondents

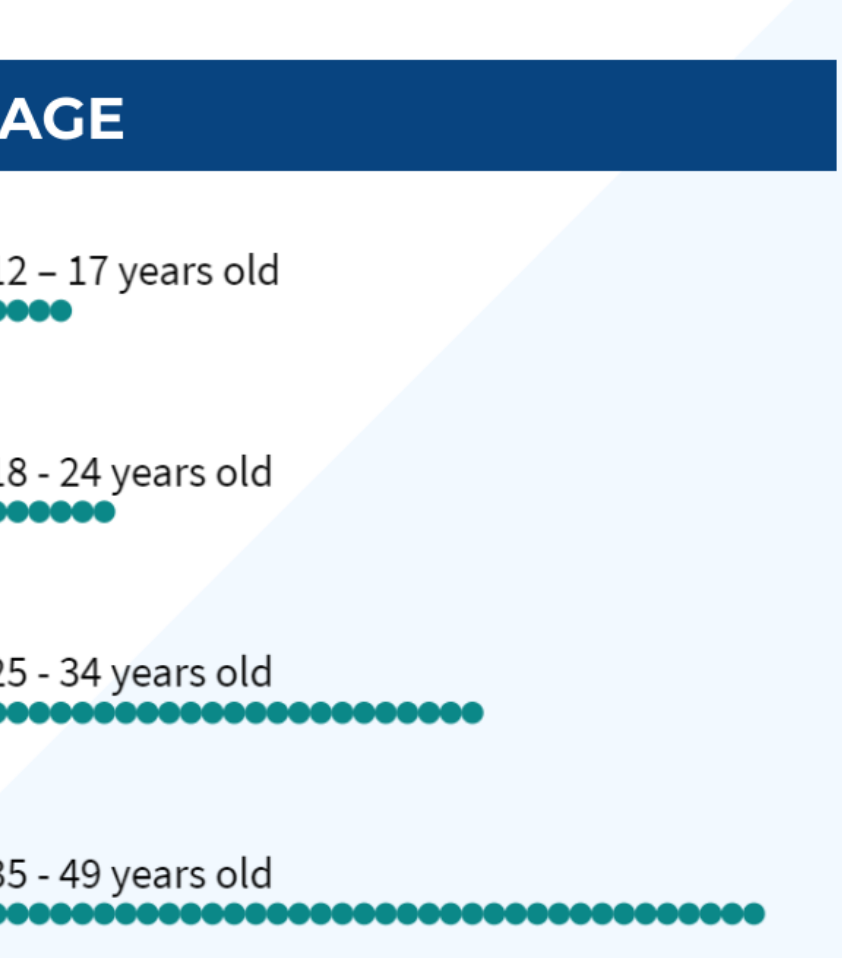
51% Female Respondents



Disability Status (% of respondents)

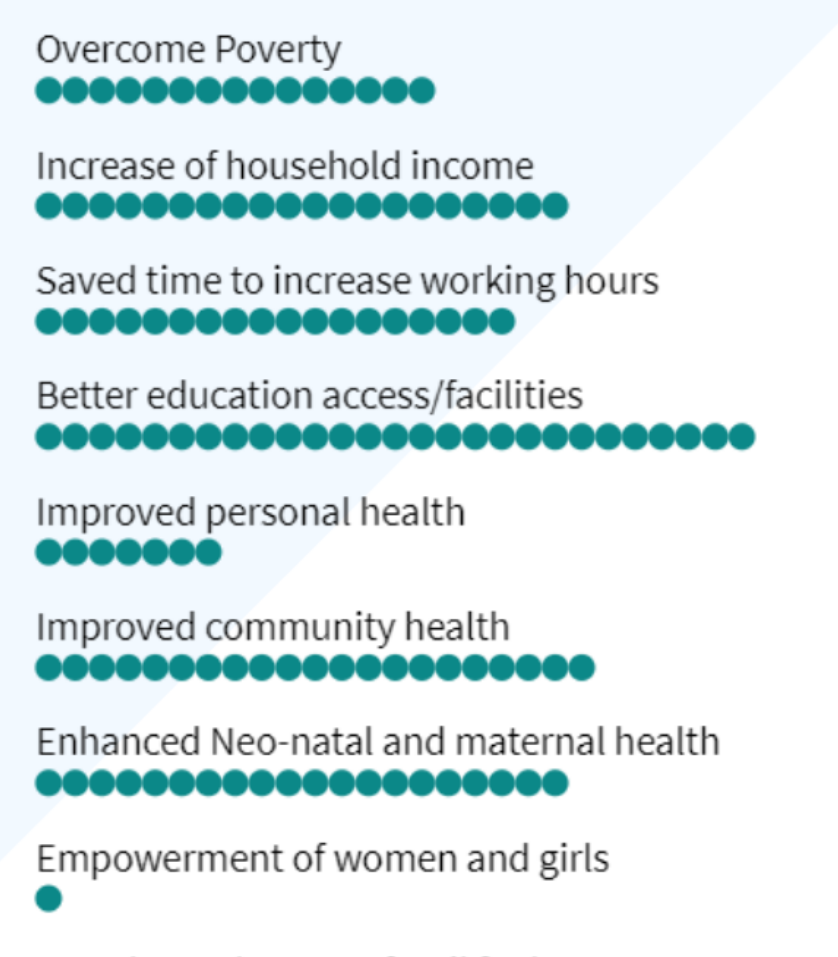


AGE

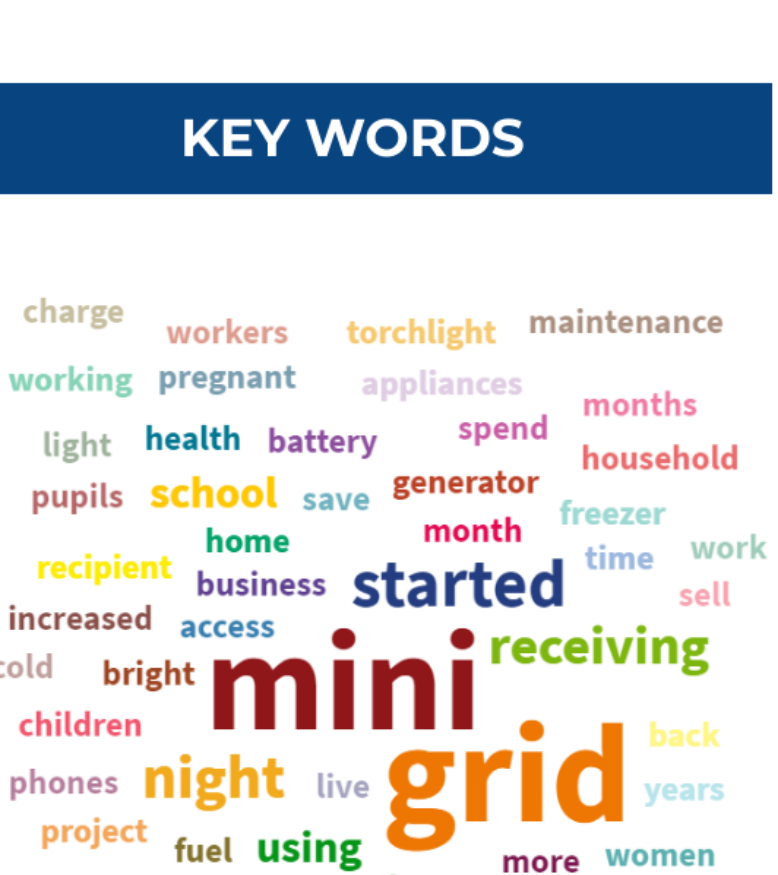


POSITIVE STORIES

EXTENTS OF POSITIVE CHANGES



KEY WORDS



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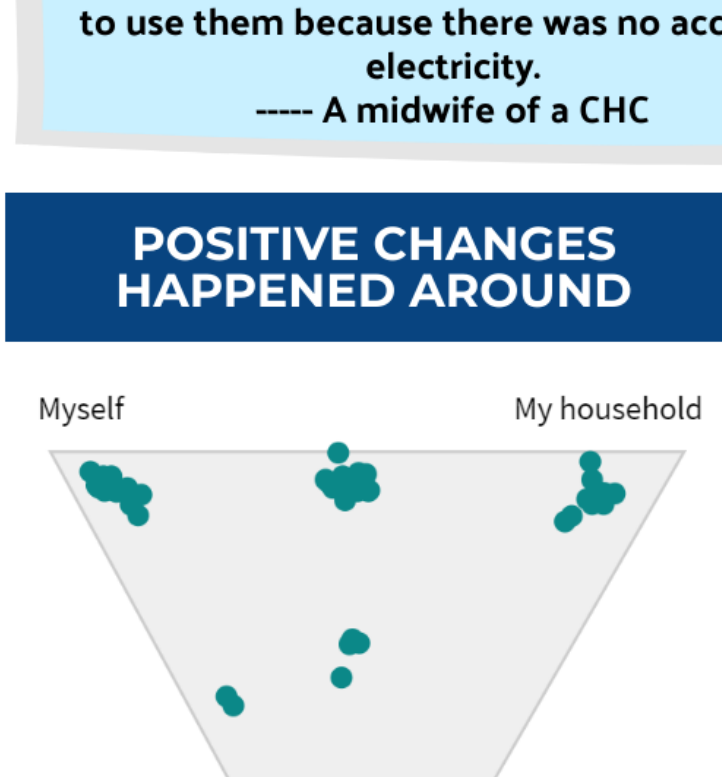
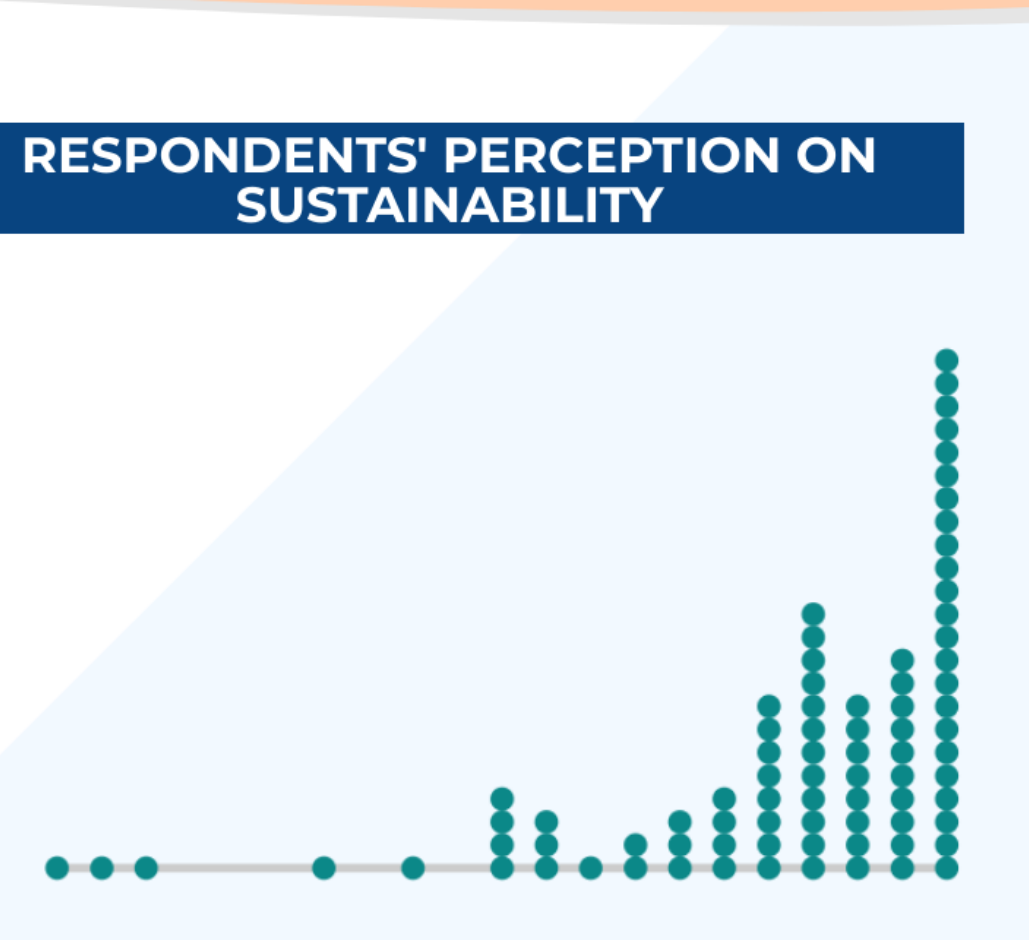
> Since the CHC started receiving electricity from the mini-grid, we are now using an oxygen machine and electric mucus sucker. The CHC had all these appliances before but we were not able to use them because there was no access to electricity.
> —— A midwife of a CHC

> "Since my cinema is connected to the mini-grid based electricity, I no longer have to spend money or worry about buying fuels, lubricants or generator maintenance cost. Prior to be connected to the mini-grid, I was using a petrol generator as the source of electricity which used to cost me around SLL 660,000 per month for fuels, lubricants, and maintenance. Currently, I only spend SLL 400,000 as the electricity bill. The savings will be maximized after replacing the cinema's CRT TV by an energy efficient LCD TV."
> ---- A commercial recipient of electricity

POSITIVE CHANGES HAPPENED AROUND

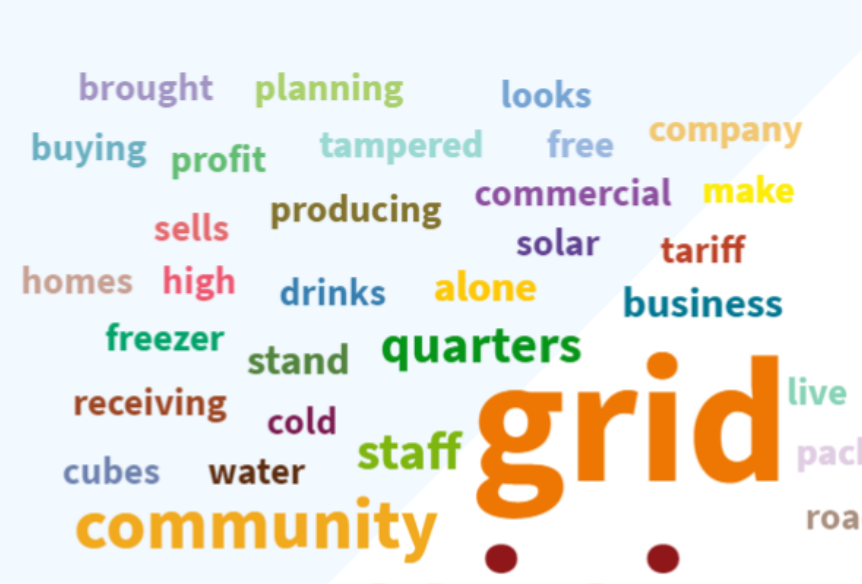


RESPONDENTS' PERCEPTION ON SUSTAINABILITY



NEGATIVE STORIES

KEY WORDS



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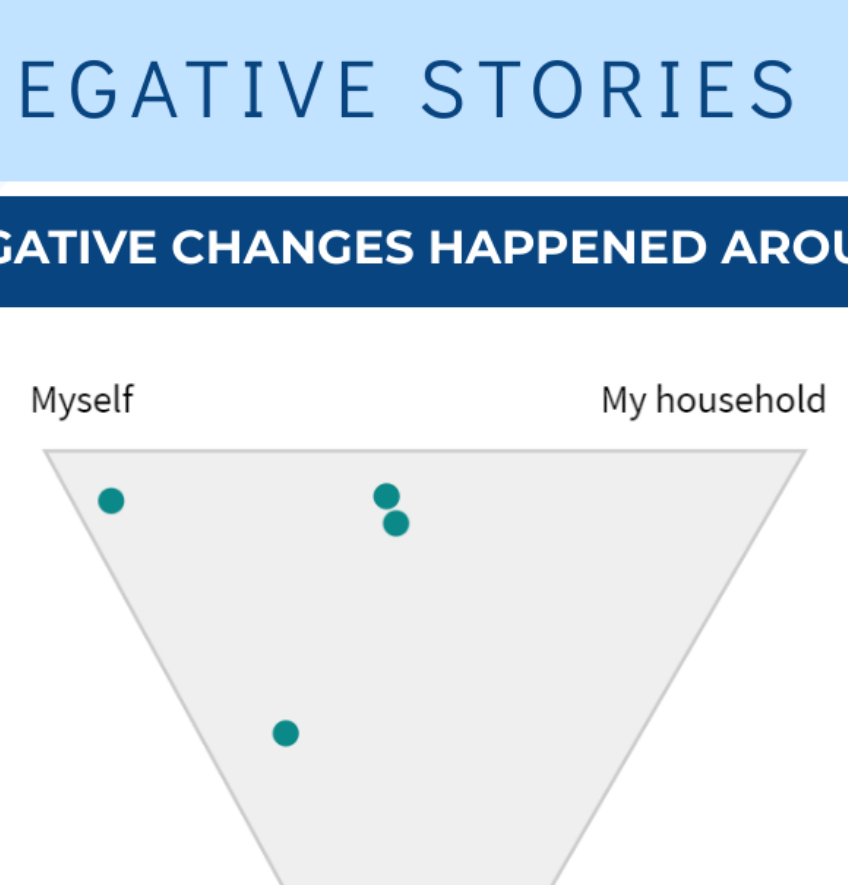
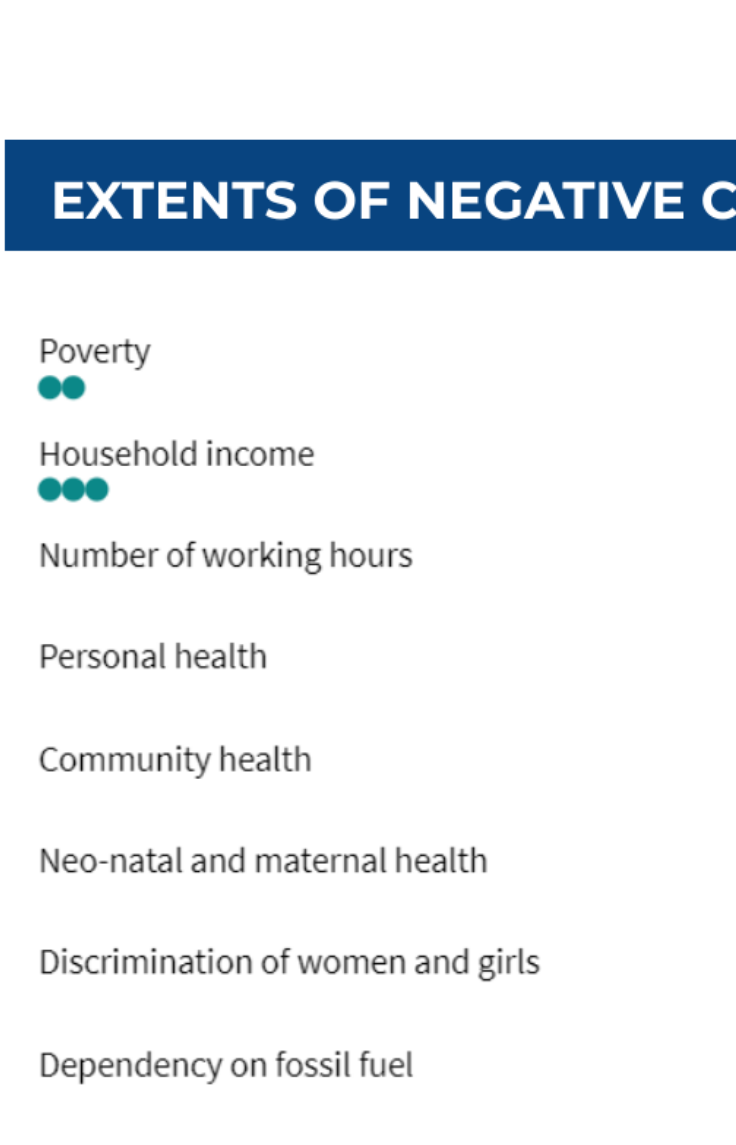
NEGATIVE CHANGES HAPPENED AROUND



EXTENTS OF NEGATIVE CHANGES

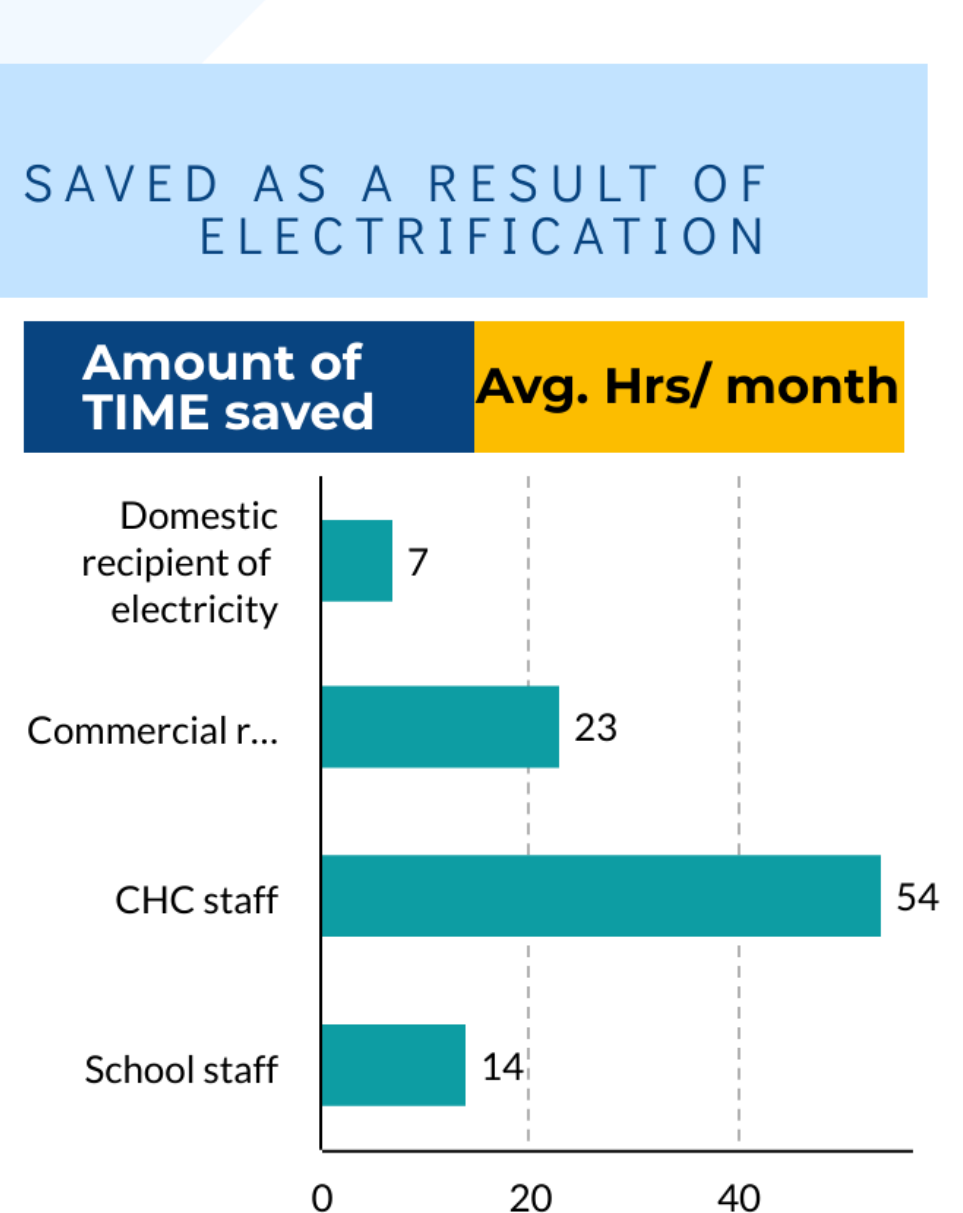


> "I use to operate a commercial phone charging center. Since 87 households of the community started receiving electricity from the mini-grid, I have lost around 90% of my customers because they now charge their mobile phones at their homes instead of bringing them to my business center."
> ---- A commercial recipient of electricity

TIME SAVED AS A RESULT OF ELECTRIFICATION

60% Respondents reported that they are able to save time as a result of electrification

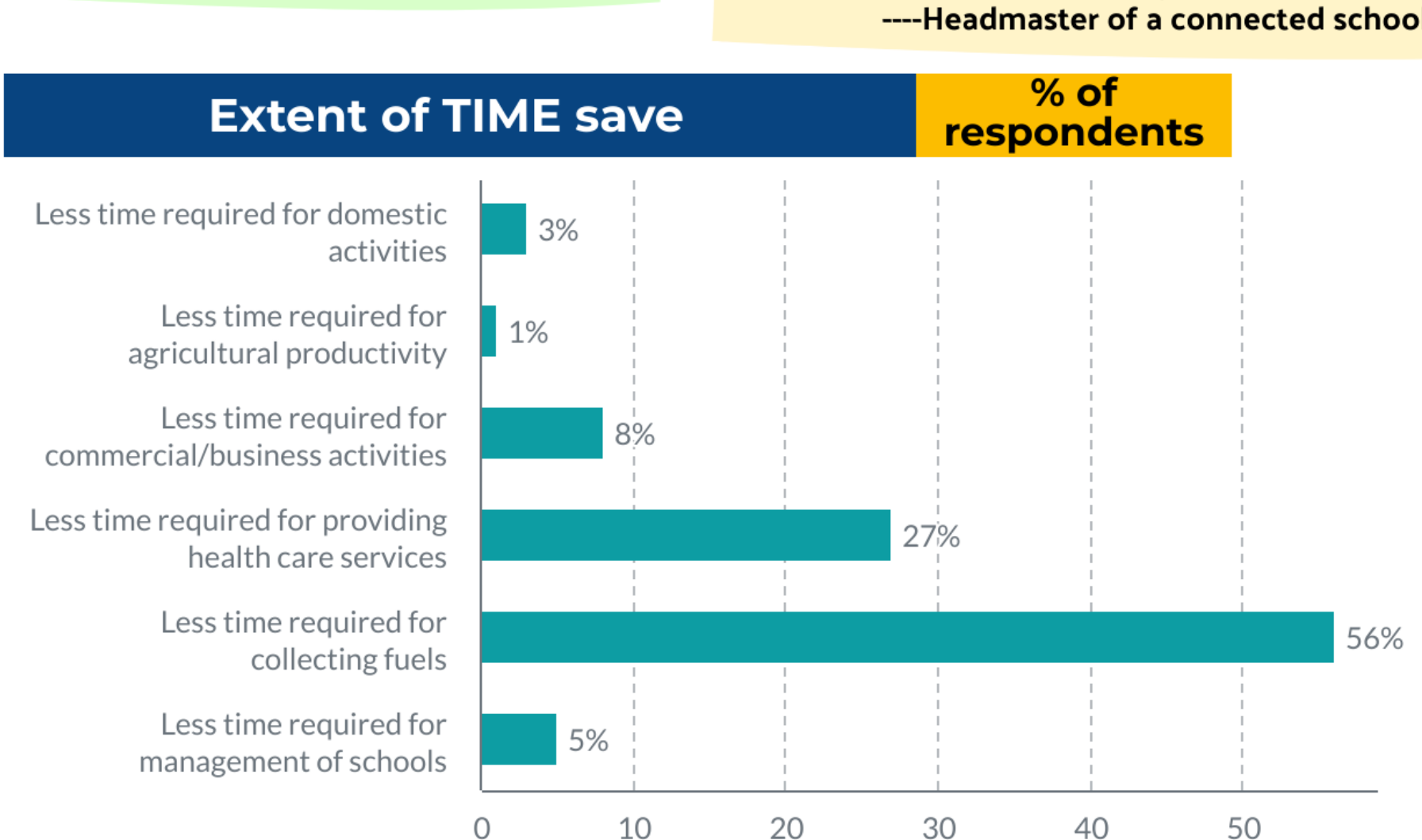
Amount of TIME saved — Avg. Hrs/ month



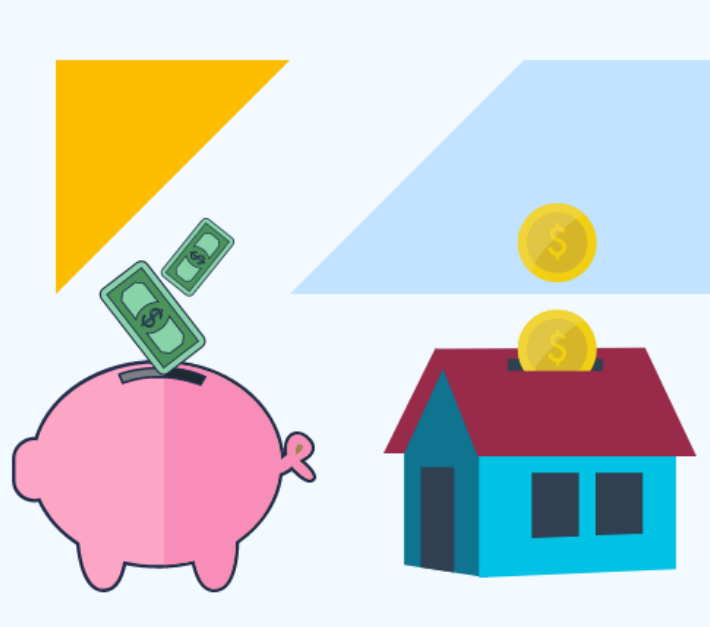
> Three months ago (August 2019), we delivered a baby which absorbed liquor on the way due to the delays of delivering the baby. Since we have an electrical mucus sucker and a stable electricity from the mini-grid, I was able to successfully remove the mucus from the lungs of the baby which saved the baby's life. Few years ago before the CHC started receiving electricity from the mini-grid, we couldn't use electric mucus sucker because there was no electricity source to power it. We had to refer babies delivered with mucus to the Lungi Government Hospital which is about 8km from Canakry Dee community because the non-electric mucus suckers were very slow and ineffective.
> ----- A nurse at a CHC

> "Since my school started receiving electricity from the mini-grid, I was motivated to buy a photocopier which we are presently using to photocopy and print documents for the school.
>
> Few years ago, when there was no electricity in our community, We had to travel to Makeni (about 35 km away) once in a month to photocopy school documents. Photocopying school documents in Makeni was expensive and also time consuming for me since I had to travel a long way."
> ----Headmaster of a connected school

Extent of TIME save — % of respondents

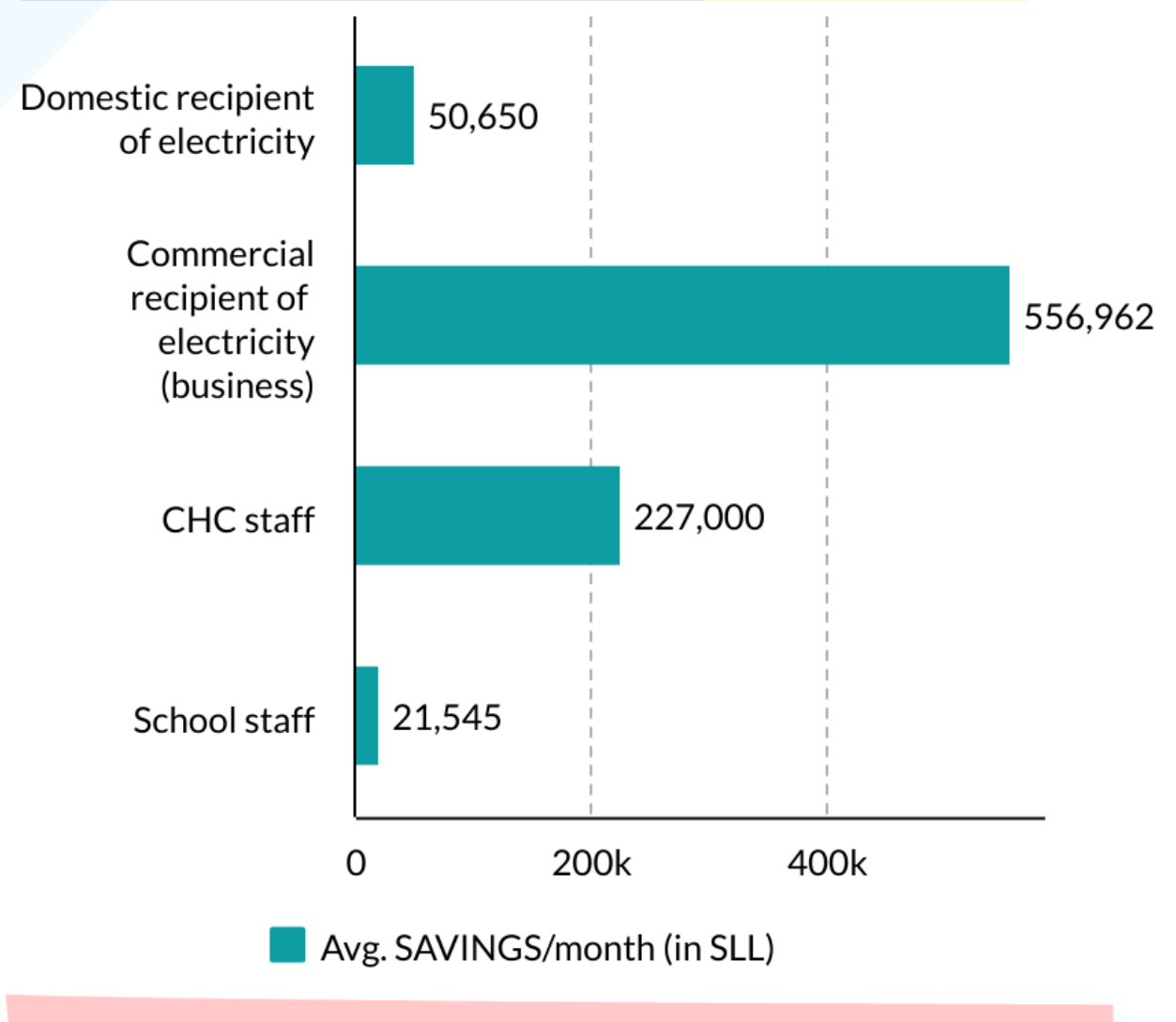


MONEY SAVED AS A RESULT OF ELECTRIFICATION



64% Respondents reported that they are able to save money as a result of electrification

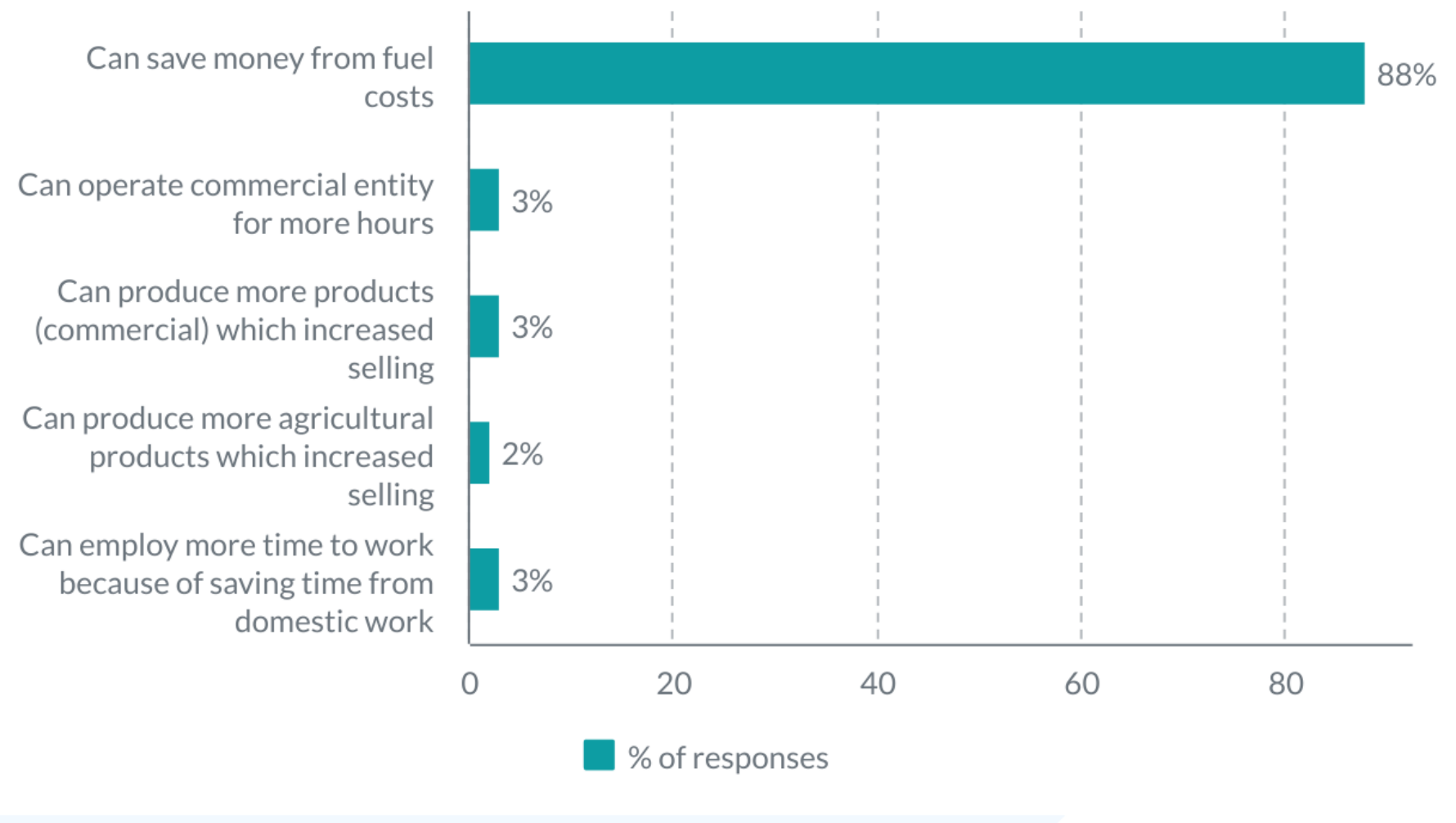
Amount of MONEY saved — Avg. SAVINGS / month (SLL)



> "Since my shop is connected to the electricity from the mini-grid, the daily total number of business operating hours has been increased from 13 hours to 15 hours .
>
> Previously, I was only able to run my shop from 7am till 10pm and was using a small battery powered torchlight from 7pm to 10pm. But with the electricity from the mini-grid, my shop remains open from 7am to 12am which increased my income."
> --- A commercial recipient

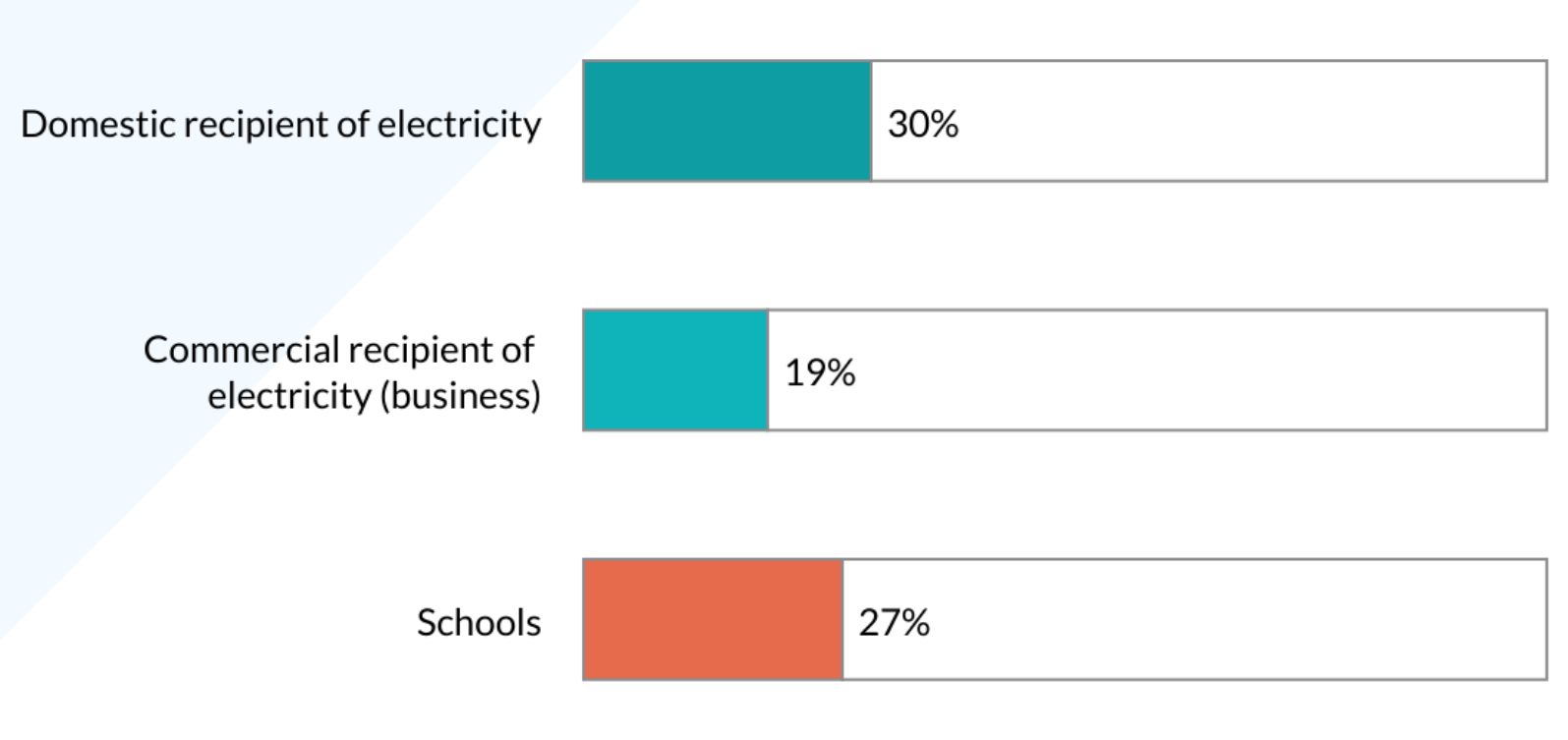
> "Since my household started receiving electricity from the mini-grid, we can now charge our phones and other appliances at home conveniently at any time. Before the mini-grid project, we spent over SLL 60,000 per month to charge our phones and other electronic appliances. The charging centers were not reliable and charging our phones and other appliances was taking a lot of our time."
> ---- A domestic recipient of mini-grid based electricity

Extent of MONEY save — % of respondents

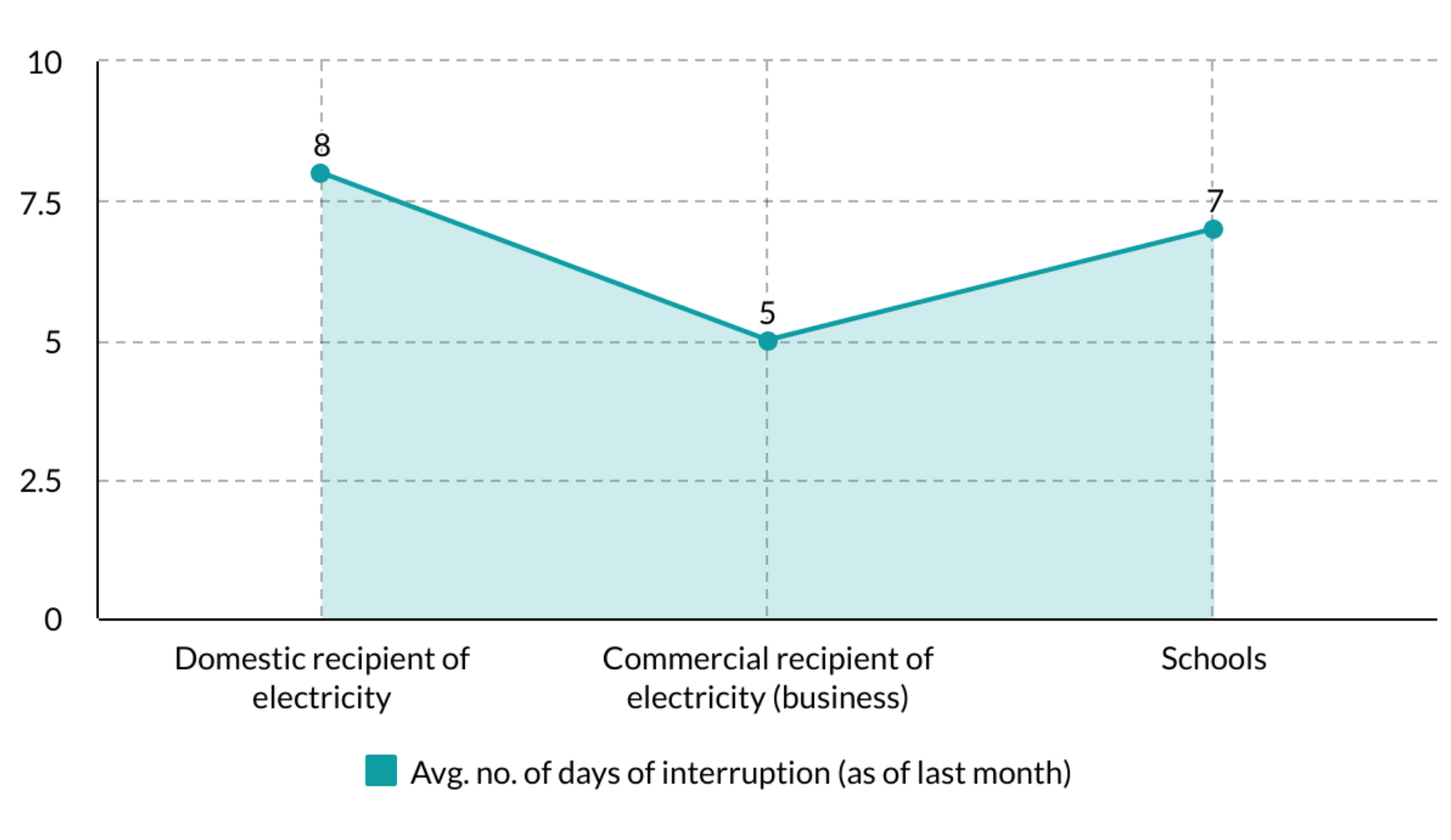


POWER INTERRUPTION DUE TO INABILITY TO PAY ELECTRICITY BILLS

BENEFICIARIES EXPERIENCED POWER INTERRUPTION — % of respondents



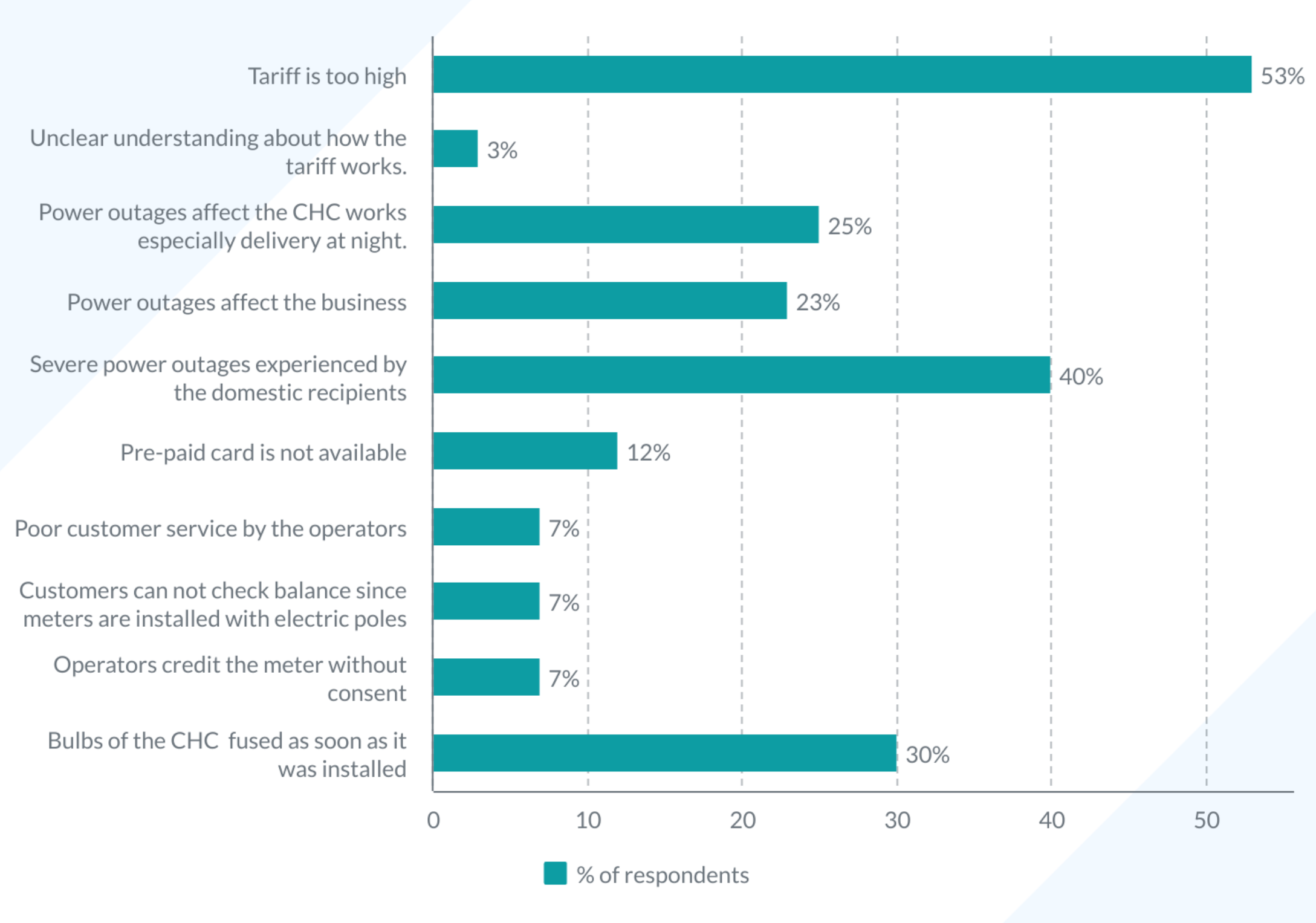
POWER INTERRUPTION DUE TO INABILITY TO PAY BILL — Avg. no. of DAYS of power interruption (as of last month)



> "The tariff is too high. I have been spending so much to pay for the electricity from the mini-grid for the past few days. My household encountered power cut off for four days in the last week because I didn't have money to pay for the prepaid card."
> -----A domestic recipient

Major Challenges

76% respondents reported that they faced challenges



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