KANTAR

Queensland Household Energy Survey 2020





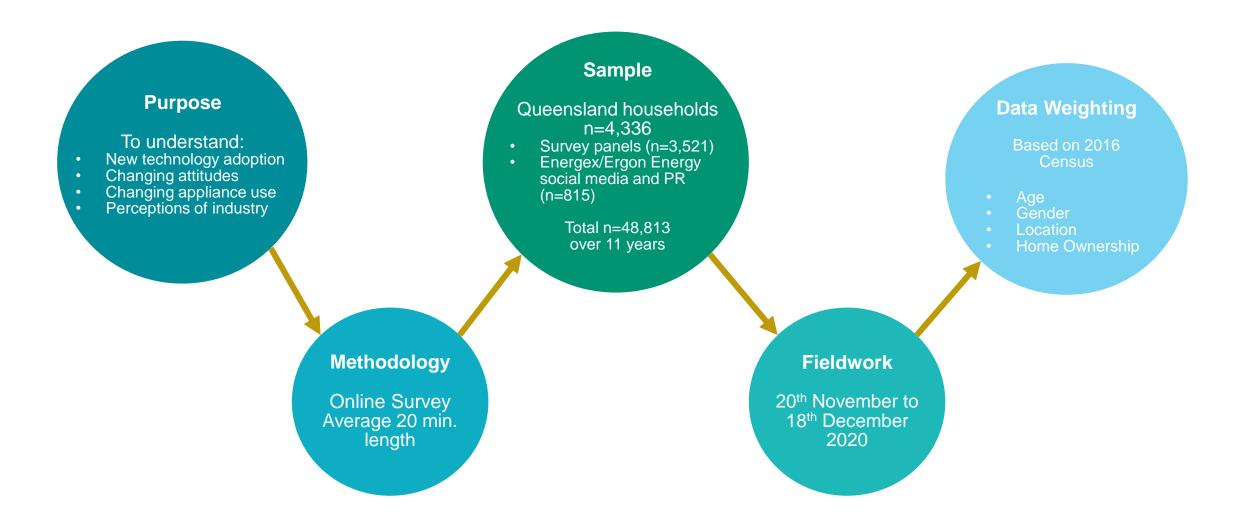


Part of Energy Queensland

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Background & Methodology



Background & Methodology

Sampling and Quotas

An overall target of n=3,500 interviews with Queenslanders* from panels, comprising:

- n=2,000 South East Queensland households and,
- n=1,500 Regional Queensland households.

A generic survey link was also offered by Energex and Ergon Energy Network social media and public relations channels.

Data Weighting

Due to the requirement for a large sample size and the inclusion of respondents from the generic link, quotas could not be set on all demographics. Therefore, to ensure the final data was representative of the Queensland population, all data was weighted to match the following ABS Census 2016 population statistics:









Age

Location (SA4)

Gender

Increasing the sample via social media and other public relations channels improves the robustness of the survey, however it is important to note that that while this allows for greater depth of insight in niche sub-populations such as EV owners, the survey may attract respondents who are more engaged with the subject matter, which can lead to overrepresentation on certain key topics.

Research Locations

Region	Statistical Division (SD)	Sample in Each SD	Sample in Each Region	
	Brisbane	866		
	Gold Coast	433	2361	
SEQ	Ipswich	245		
SEQ	Logan – Beaudesert	239	2301	
	Sunshine Coast	283		
	Moreton Bay	295		
Northern QLD	Cairns	339	716	
Northern QLD	Townsville	377	710	
Central QLD	Mackay	177	467	
Central QLD	Fitzroy	290		
Outback QLD	Outback	47	47	
	Darling Downs	120		
Southern QLD	Toowoomba	205	745	
	Wide Bay	420		
TOTAL		4336		



EXECUTIVE SUMMARY

KEY POINTS

- 1. There is continued interest in new / alternative technologies with solar PV, home battery storage, and electric vehicles continuing to gain popularity.
- 2. This shift towards alternative and smart technology may explain the decline in stated effort to reduce electricity consumption from the grid in previous years people may have taken steps to reduce electricity usage, however, they now appear to be less concerned. An increased interest in HEMS services is perhaps seen as an easier way to manage usage.
- 3. In general, Queenslanders are more positive, both in terms of sentiment towards their energy providers and energy prices in general. Levels of high bill concern continue to weaken, fewer expect significant electricity price increases and there is increasing satisfaction with the balance between price and reliability of supply.
- 4. Given peak demand has been an issue for some time, there is significantly higher awareness of this than the issue of minimum demand. Despite claimed awareness of minimum demand it is hypothesised that there is little understanding of what this means, hence low interest in changing time-of-use behaviour to assist. Any change in behaviour needs to communicate a personal benefit for the consumer.

2 HOUSEHOLD ENERGY USE

KEY POINTS

- 1. New / alternative technologies such as solar PV and home battery storage, as well as electric vehicles, continue to gain popularity.
- 2. Energy efficiency is among the top considerations for the 58% of people planning to purchase new appliances, however cost remains the most important.
- 3. This shift towards alternative and smart technology may explain the decline in stated effort to reduce electricity consumption from the grid in previous years people may have taken steps to reduce electricity usage, however, now appear to be less concerned. An increased interest in HEMS services is perhaps seen as an easier way to manage usage.

ALTERNATIVE TECHNOLOGY

Adoption of new / alternative technologies continues to increase.



Solar PV installed

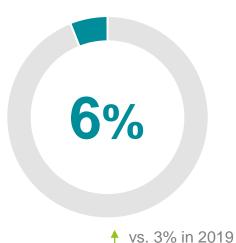


STATED VS. ACTUAL

Energy Queensland internal data – **31%** vs. **28%** in 2019.



Home batteries installed



STATED VS. ACTUAL

Energy Queensland internal data – **0.34%** vs. **0.27%** in 2019.



Have an Electric Vehicle



↑ vs. 2% in 2019

STATED VS. ACTUAL

Energy Queensland internal data – **0.2%** vs. **0.1%** in 2019.



BASE: All respondents (2020 n=4,336)

APPLIANCE PURCHASE INTENTION

Around three in five Queenslanders are intending to purchase new home appliances in the next 12 months. Of these, the most common intended purchases are computers, televisions and consoles.



are intending to purchase new appliance/s in the next 12 months

- **▲ 70%** 18-35 years
- ▲ **62%** males
- ▲ 83% those who intend to go off-grid in next 3 years
- ▲ **87%** those with battery storage

Intent to purchase appliances in next 12 months – top 5







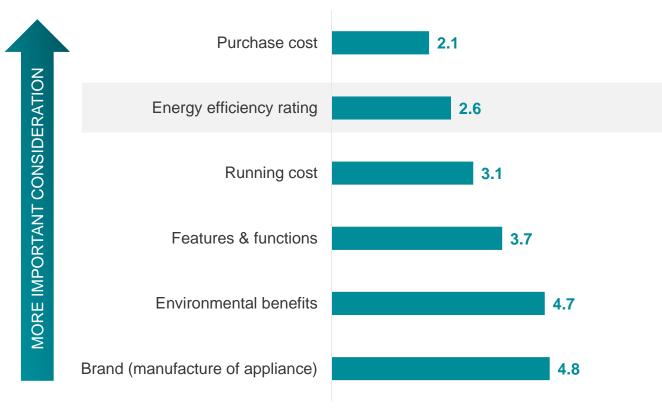




DECIDING ON NEW APPLIANCES

Cost is the most important factor in appliance purchase decisions, followed by energy efficiency. Those with off-grid intentions tend to rate energy efficiency as a more important factor.

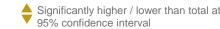
Most important consideration when purchasing new appliance



Energy efficiency rating is a more important consideration for:

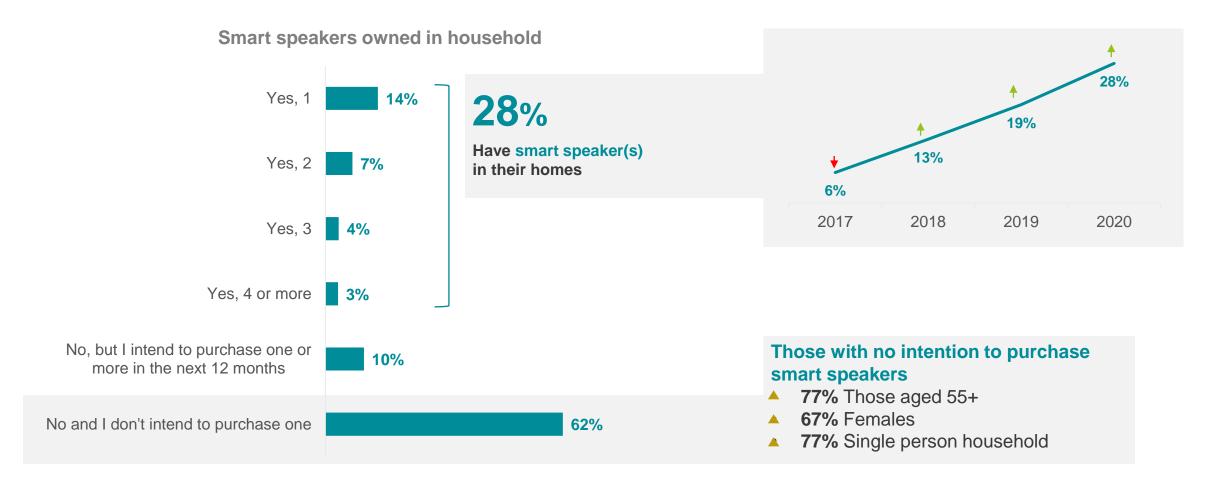
- Those aged 55+, retirees and pensioners
- Females
- Lower income households
- Those with intention to purchase solar PV
- Those with battery storage and who intend to purchase battery storage
- Those who intend to go off-grid in future





SMART SPEAKERS

There has once again been a significant increase in the proportion of people who have smart speakers in their home.





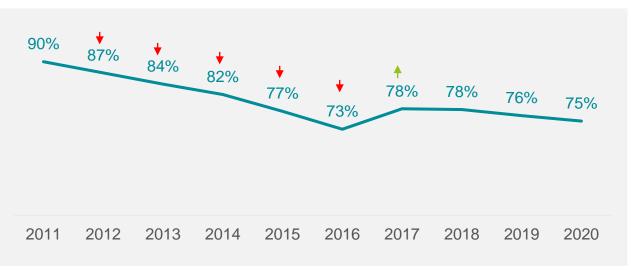
ENERGY REDUCING BEHAVIOURS

Over time there has been a decline in effort taken to reduce electricity consumption from the grid. This coincides with a decrease in bill concern and the possibility that the increase in use of alternative and smart technologies means that people believe they have already taken as many steps as they can or are willing to do to reduce their consumption.



Have consciously tried to reduce their electricity consumption

- ▲ 77% Regional QLD
- ▶ 78% & 80% those with solar PV and who intend to purchase solar PV respectively
- ▲ 83% Those who own a battery storage
- 83% Those who intend to go off the grid



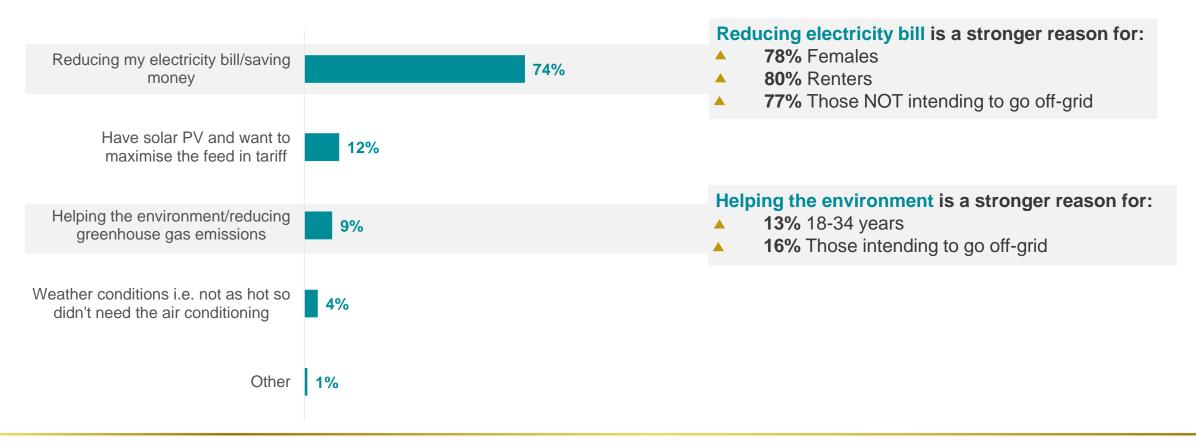


Significantly higher / lower than total at 95% confidence interval

ELECTRICITY REDUCING BEHAVIOURS

Those who try to reduce their electricity consumption generally do so as a money saving exercise.

Reasons for reducing electricity consumption

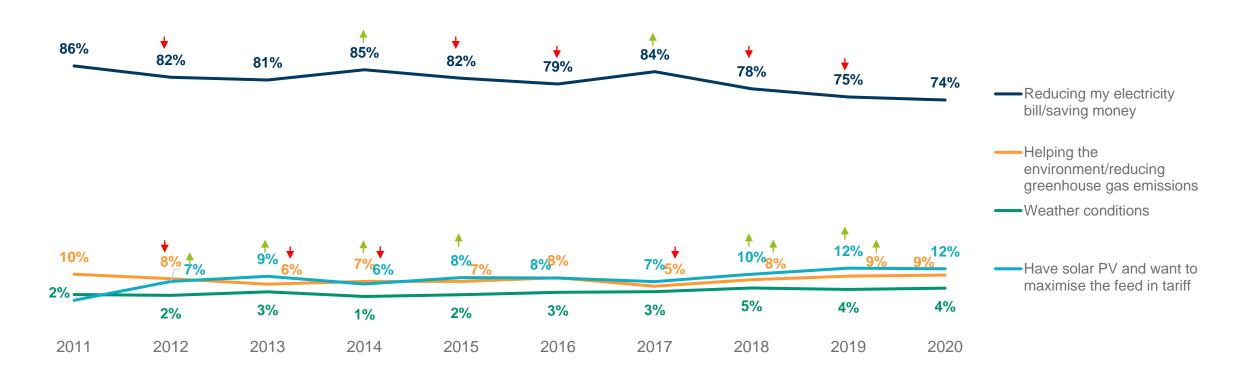




ELECTRICITY REDUCING BEHAVIOURS

While saving money remains the main reason for reducing electricity usage, over time there has been a shift towards helping the environment and maximising feed in tariffs.

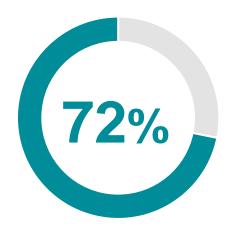
Reasons for reducing electricity consumption





UNDERSTANDING PEAK AND MINIMUM DEMAND

Respondents are aware that minimum demand is an issue although they are more are aware of peak demand. Whilst they may have heard of these issues, understanding is likely poor. Only a third are openly willing to change behaviours to help manage these issues.

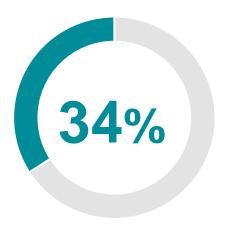


Are aware of the need to manage peak demand on the electricity network



Are aware of the need to manage minimum demand on the electricity network





Are willing to change the timing of their electricity use to help manage peak and minimum demand

Those who completed the survey from a social media channel have significantly higher awareness of these issues – 85% aware of peak demand and 64% of minimum demand.



BASE: All respondents (2020 n=4,336)

H7. Most households use more electricity between 4pm and 9pm than other times of the day. This is known as **peak demand**. Are you aware of the need to manage peak demand on the allocation to achieve the achieve the

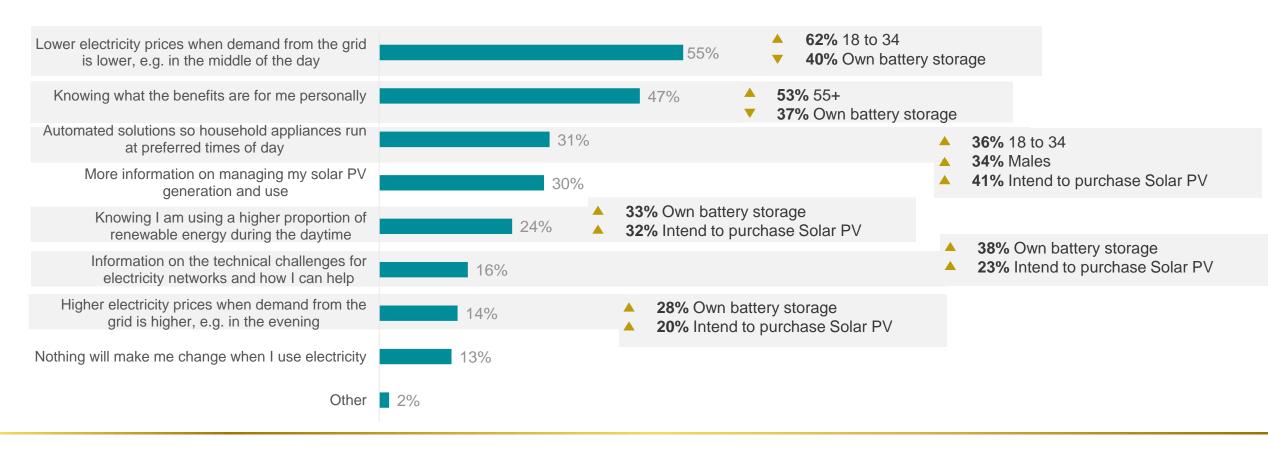
H8. Due to the high take up of rooftop solar PV systems, this creates high export of electricity to the grid and households using less electricity between 9am and 3pm than other times of the day. This is known as minimum demand. Are you aware of the need to manage minimum demand on the electricity network?

H9. Are you willing to change the timing of your electricity use to help manage peak and minimum demand, provided it doesn't increase your electricity bills?

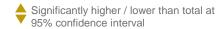
ENERGY MANAGEMENT BEHAVIOURS

As with any request to change behaviour, customers need to understand the personal benefits before undertaking change.

Factors to drive changes to manage peak and minimum demand

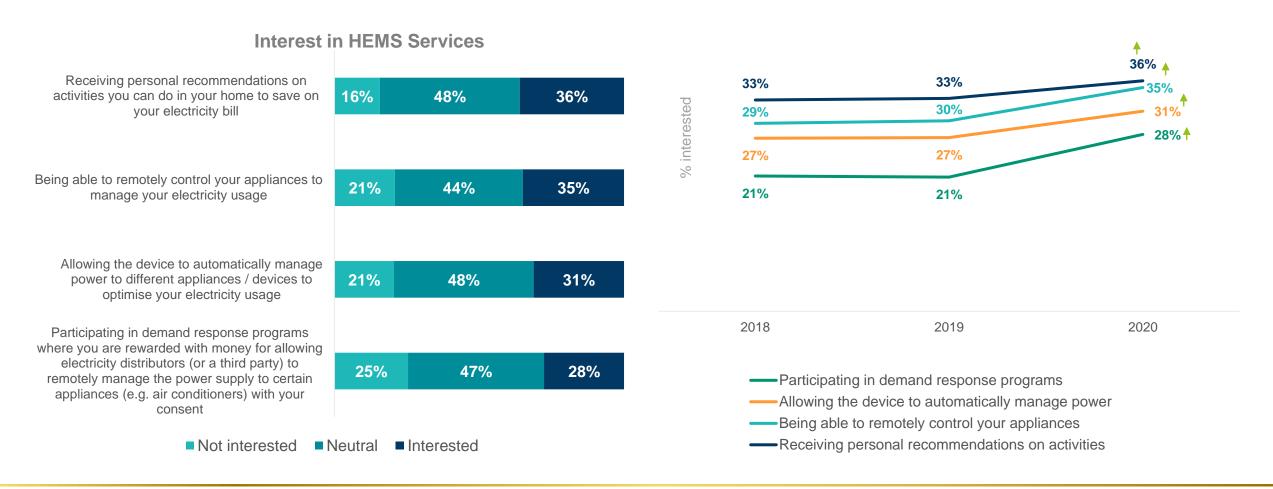






INTEREST AND TAKE-UP OF HOME ENERGY MANAGEMENT SYSTEMS (HEMS)

Interest in each of the services facilitated by HEMS has increased significantly, with around a third of respondents interested in each service.



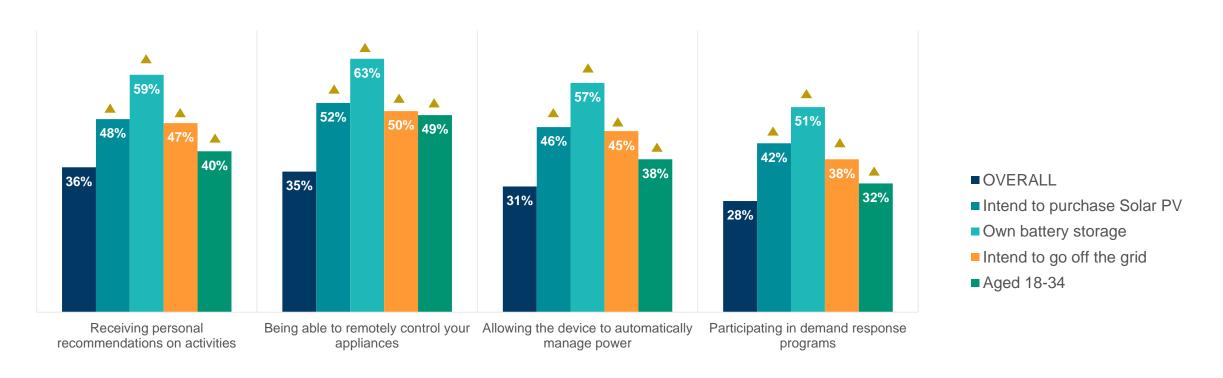


BASE: All respondents (2020 n=4,336)

INTEREST AND TAKE-UP OF HOME ENERGY MANAGEMENT SYSTEMS (HEMS)

Those who intend to purchase solar PV, own battery storage, intend to go off-grid and those aged under 35 are significantly more interested in HEMS services.

Interest in HEMS Services

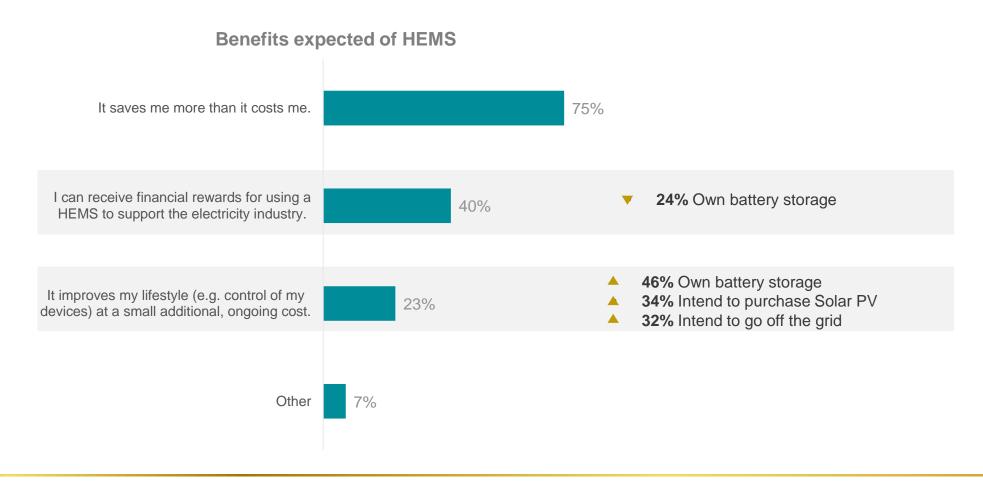




BASE: All respondents (2020 n=4,336)

INTEREST AND TAKE-UP OF HOME ENERGY MANAGEMENT SYSTEMS (HEMS)

While the majority believe the cost saving is the main benefit of HEMS, those with off-grid intentions also believe that it will improve their lifestyle.





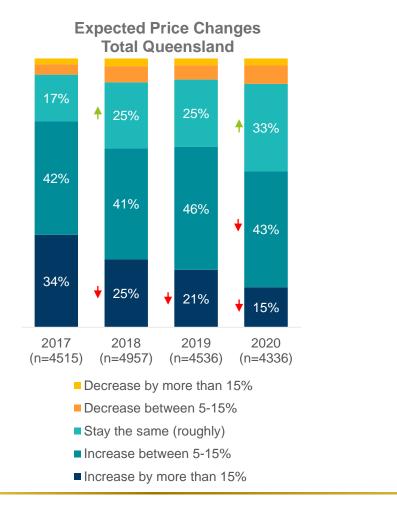
3 COSTS & BILL CONCERN

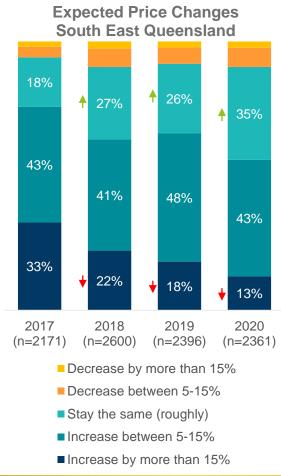
KEY POINTS

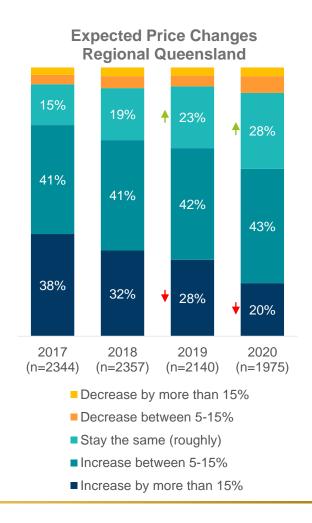
- Expectations around electricity price increases have softened over the years, with the majority expecting prices to stay the same while fewer expect substantial increases.
- 2. Electricity is among the household bills people are most concerned about, second only to health and medical bills. However, bill concern across all financial commitments has decreased significantly in 2020.
- Uptake of digital meters is somewhat overstated, with around two in five claiming to have a digital meter. People value the ability to have more accurate data to facilitate a switch away from bill estimation.

ELECTRICITY PRICE EXPECTATIONS

A third of Queensland households expect electricity prices to remain the same, with fewer expecting significant increases (15% or more). People in Regional Queensland tend to believe there will be more significant price increases.





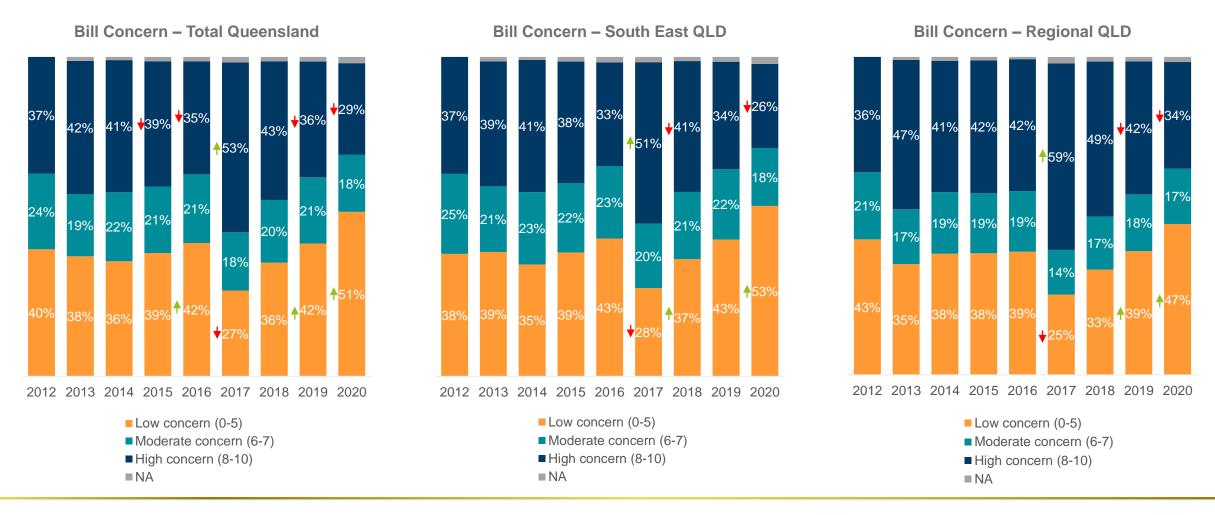




BASE: All respondents (2020 n=4,336)

ELECTRICITY BILL CONCERN

Electricity bill concern has lessened again in 2020, with just over half of Queensland households now claiming to have low concern. However, there are notable variances in the levels of concern between regional Queensland and SEQ in relation to low and high concern.



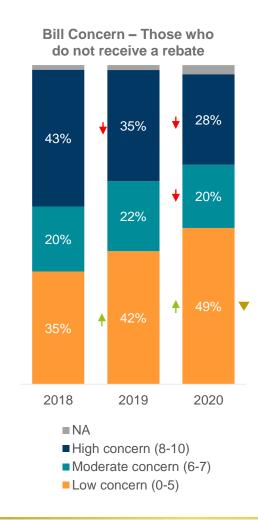


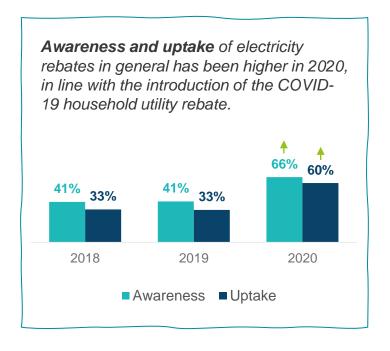
BASE: All respondents (2020 n=4,336)

ELECTRICITY BILL CONCERN

Rebate uptake does not significantly impact *high* bill concern, however those who do receive a rebate are more likely to report *low* bill concern.









BASE: All respondents (2020 n=4,336)

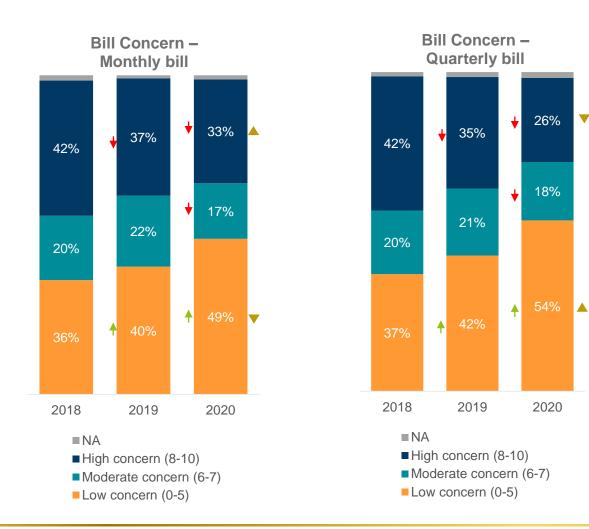
I2A. How concerned are you about your ongoing ability to pay your electricity bill?

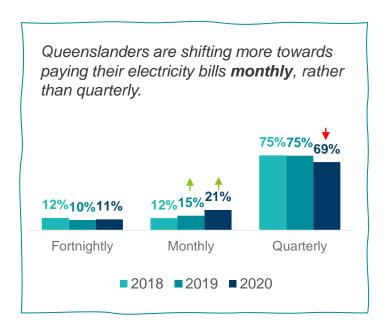
A14. Which of the following electricity rebates do you currently receive?

Please mark on the 0-10 scale below where 0 means 'not at all concerned' and 10 means 'very concerned'?

ELECTRICITY BILL CONCERN

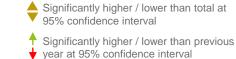
Bill concern is significantly higher among those who pay their bills more frequently, though concern is still decreasing in all cohorts.







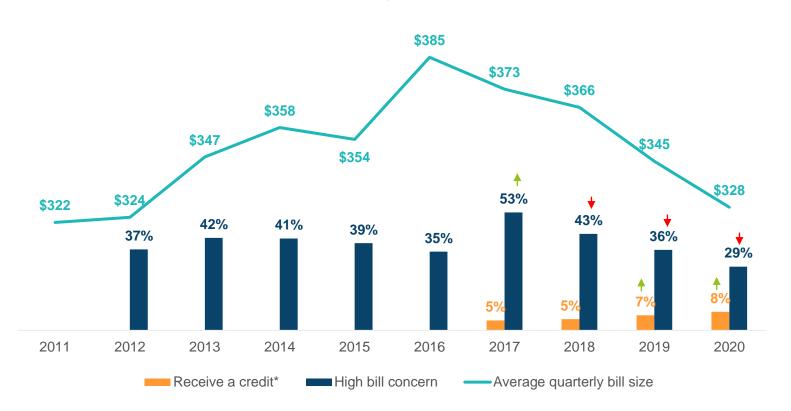
BASE: All respondents (2020 n=4,336)

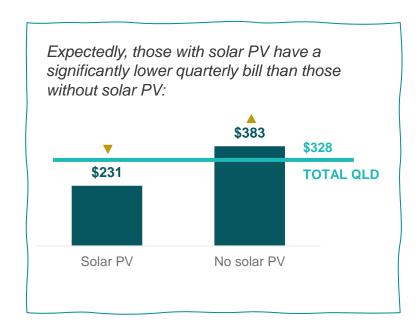


AVERAGE QUARTERLY ELECTRICITY BILL SIZE

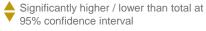
The decrease in bill concern aligns with the continuing decrease in average quarterly electricity bill size, while a greater proportion of bill payers are receiving an electricity credit than ever before.

STATED AVERAGE QUARTERLY BILL SIZE



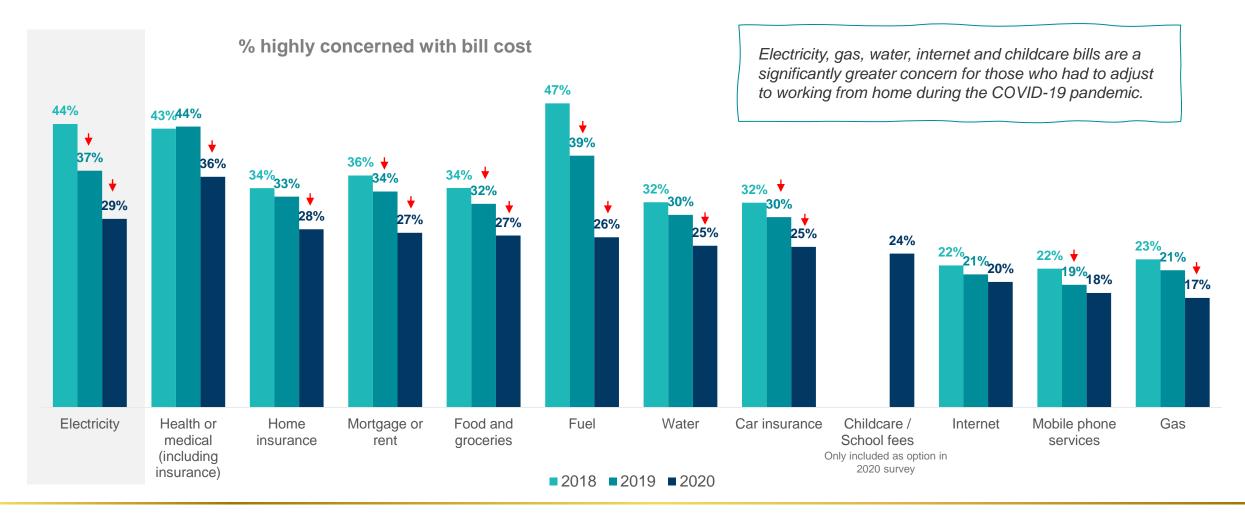






COST OF LIVING BILL CONCERN

Despite a drop in overall concern, electricity remains of comparatively high concern amongst other financial commitments.





BASE: All respondents (n=4,336)

I2B. And how concerned are you about your ongoing ability to pay the following bills / household costs? Please mark on the 0-10 scale below where 0 means 'not at all concerned' and 10 means 'very concerned'?

ELECTRICITY PRICES AND PRICE CHANGES

Electricity price is less of a topic in 2020 than seen before, Queenslanders hearing news about electricity prices fairly infrequently. Traditional news media is the most common channel for hearing about electricity prices.

Frequency of hearing about electricity prices Hearing about electricity prices over time* 61% 49% 36% 25%24% 25% 38% 31% 15% 14% 24% Not Applicable Never / rarely At least once At least once a At least once a 2018 2019 2020 At least once every year every six month week months On social media On social media ■ In traditional media (i.e. newspaper, news bulletins, television programming) In traditional media (i.e. newspaper, news bulletins, television programming)



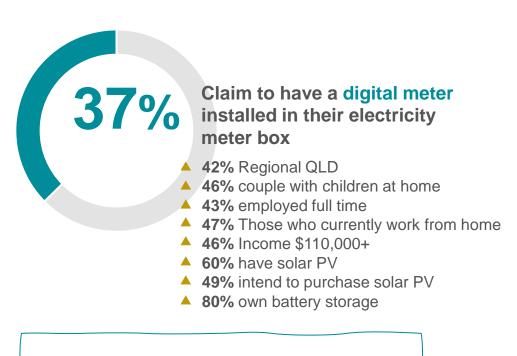
BASE: All respondents (n=4,336)

■ In a discussion with friends / family / colleagues

In a discussion with friends / family / colleagues

DIGITAL METERS

Almost two in five Queenslanders claim to have a digital meter installed in their household, and this is more likely among those who are full-time, high income earners, as well as those who either have solar PV or intend to purchase it. Four in five of those who have battery storage have a digital meter. The most highly valued service offered by a digital meter is the facilitation of accurate billing/negating the need for estimated bills.

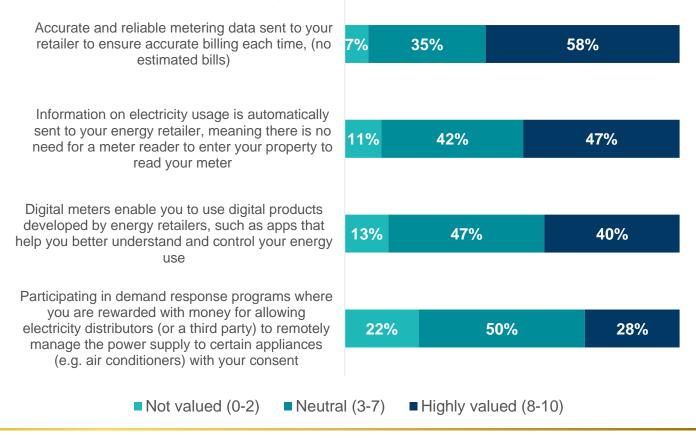




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Energy Queensland internal data puts actual digital meter uptake at 16%.

Interest in digital meter offerings





G3. Do you have a digital meter installed in your electricity meter box?

G4. Below is a list of some of the services a digital meter could offer. Using a scale from 0 to 10, where 0 means 'not valued' and 10 means 'highly valued', please indicate your level of interest in the following services.

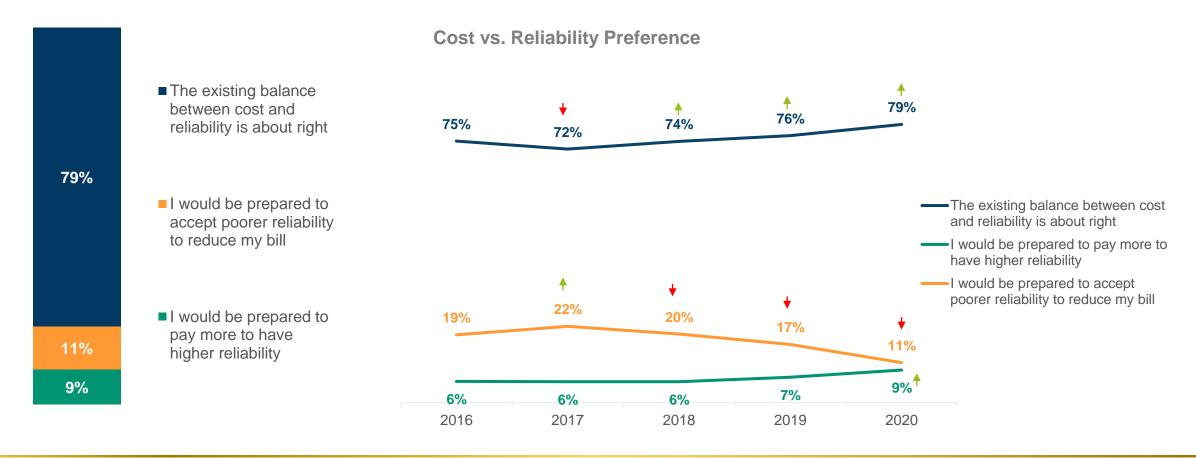
4
SUPPLY & PERCEPTIONS OF THE INDUSTRY

KEY POINTS

- 1. The sentiment that price and reliability are well balanced has continued to increase in 2020.
- 2. There has been a shift towards greater willingness to pay more for greater reliability, which has been largely brought about by the increase in people working from home during the COVID-19 pandemic. Those who have had to adapt to spending more time at home during the day are coming to appreciate the importance of a reliable electricity supply.
- 3. General perceptions of energy suppliers has continued to improve, with most agreeing that their energy supplier provides them with a reliable supply of energy.

THE RELATIONSHIP BETWEEN COST AND RELIABILITY

On the whole, electricity consumers are satisfied with the balance between cost and reliability, and this sentiment has increased over time. People are also becoming less likely to put up with poor reliability, with a slight shift toward greater willingness to pay more for a more reliable service (9% up from 7% in 2019).

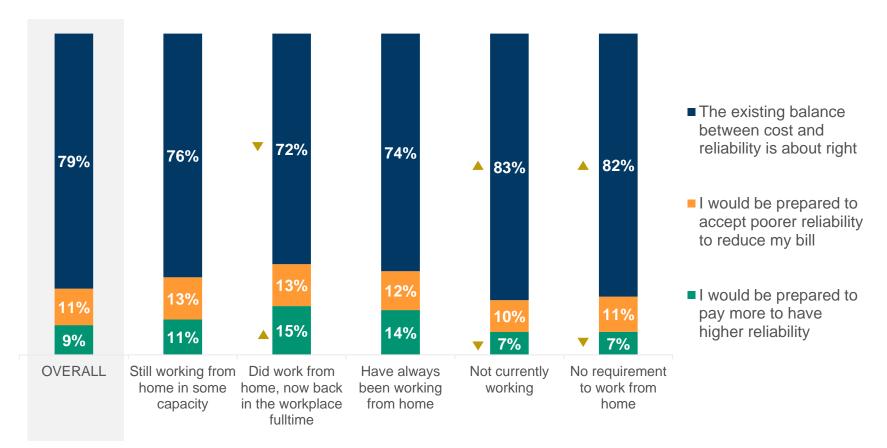




BASE: All respondents (n=4,336)

WORKING FROM HOME AND RELIABILITY

The COVID-19 pandemic appears to have influenced this shift. Those who had to adapt to working from home have a greater willingness to pay more for improved reliability. Willingness to pay more is noted amongst groups who currently do / plan to manage their own electricity production, as well as those who claim to have had at least 5 hours worth of service interruptions in the last year.



higher costs result in improved supply (i.e. fewer blackouts) and lower costs result in a poorer supply (i.e. more blackouts). Which of the following

statements best reflects how you feel about the balance between the cost of electricity and the reliability of the electricity supply?

More likely to be willing to pay more:

- ▲ 12% Those who intend to purchase Solar PV in future
- 23% Those who own battery storage
- 24% Those who intend to go offgrid in next 3 years
- ▲ 12% Those who state they have had 5+ hours of outages in the last 12 months



BASE: All respondents (n=4,336)

PERCEPTIONS OF ENERGY SUPPLIERS

Perceptions of energy suppliers continues to strengthen over 2020.

Energy Charter Principles

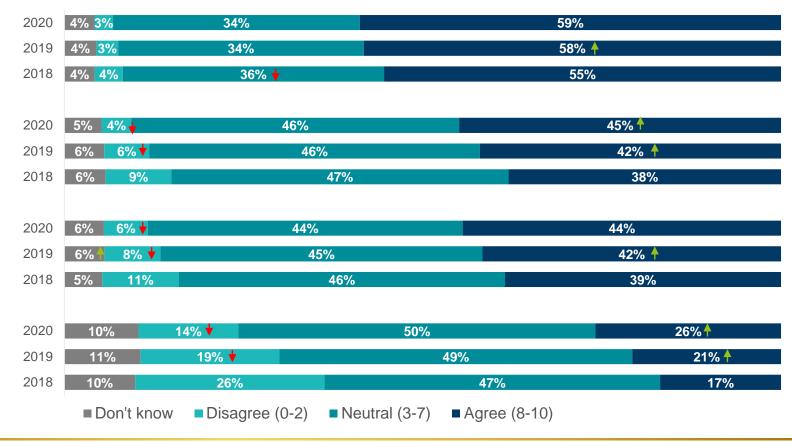
These energy suppliers provide my household with a reliable energy supply

These energy suppliers give me a sense of security about my electricity supply

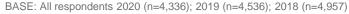
If faced with a problem, I would trust these energy suppliers to do the right thing

These energy suppliers are working to make electricity more affordable

(i.e. Powerlink, Ergon Energy and Energex).







16. Please indicate on the scale below how much you agree with the following statements regarding Queensland's energy transmission and distribution providers

5 UNDERSTANDING SOLAR PV

KEY POINTS

- 1. Behind financial incentives, 'looking after the environment' remains a strong motivation for buying, and upgrading, a solar PV system.
- 2. Almost a quarter of Queenslanders intend to purchase a new solar PV system or add to their existing systems, increasing the total solar PV capacity across the state.
- 3. With less than 1 in 10 current solar owners stating they won't replace or repair a system if it is needed, the attrition rate is unlikely to impact the overall solar footprint.

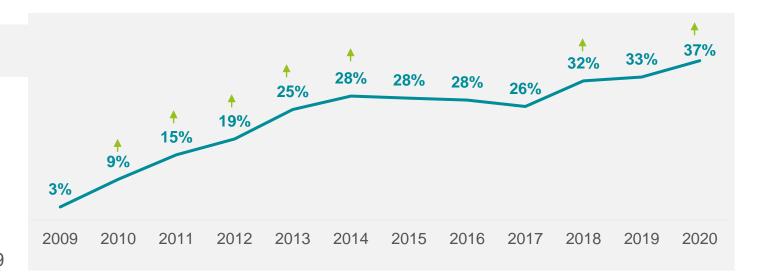
SOLAR PV PENETRATION

Almost two in five Queenslanders claim to have solar PV installed, a significant increase from 2019, with growth rates steadily rising over the last three years. Off-grid intentions are higher among those who have solar PV.



Have solar PV installed

- ▲ 42% Southern Region
- 43% 55+
- ▲ 44% Males
- ▲ 43% Couples (with / without children)
- ▲ 46% Retired
- ▲ 51% Homeowners
- ▼ 27% Income of <\$30,999



STATED VS. ACTUAL

Energy Queensland internal data puts actual solar PV penetration at 31%, slightly lower than what was captured in the QHES. In 2019 the figure was 28%.

OF THOSE WHO HAVE SOLAR PV:

- 9% already own battery storage
- 12% intend to purchase battery storage within the next 3 years
- 31% are aware of community batteries
- 24% intend to go off-grid at some point in the future

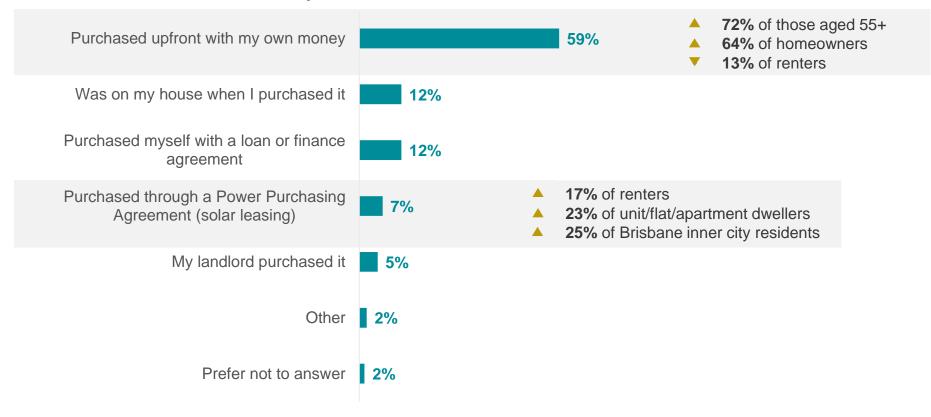




SOLAR PV INSTALLATIONS

Of those with solar PV, two thirds purchased their system upfront with their own money. Older people and homeowners are most likely to have purchased their solar PV this way. Solar leasing is a popular option among renters, inner-city and apartment-dwellers, suggesting that this a way for solar PV to be implemented in multi-tenant dwellings by bodies corporate without making an upfront payment.

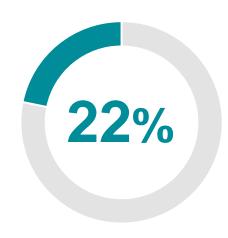
Solar PV purchase method





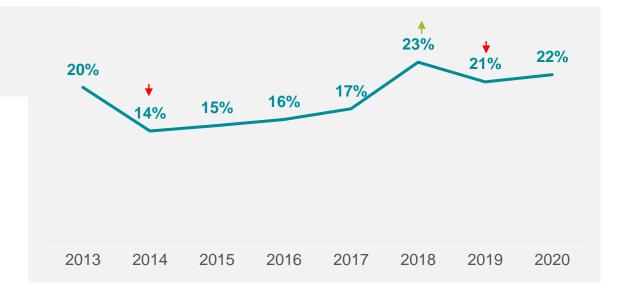
SOLAR PV INTENTIONS

In line with the growth rate of solar PV installations, there remains strong interest in this technology amongst households that do not already have solar installed. Those who are planning to purchase solar PV also have a strong intention to go off-grid, more so than those who already have solar PV. Those who intend to purchase solar PV also have high expectations around the amount of money they will save on their energy bills.



Intend to purchase new or additional solar PV for their home within the next 3 years

- 25% Regional QLD
- **29% 18-34**
- **25% 35-54**
- ▲ 27% Male
- ▲ 34% Couples with children at home
- ▲ 32% Employed full time
- ▲ 26% Homeowners
- △ 67% Those with battery storage





OF THOSE WHO INTEND TO PURCHASE SOLAR PV:

- 28% also intend to purchase battery storage within the next 3 years
- 37% are aware of community batteries
- 42% intend to go off-grid at some point in the future



BASE: All respondents (2020 n=4,336)

C10. Do you intend to purchase additional or replacement solar panels (solar PV) for your home within the next 3 years? / Do you intend to purchase solar panels (solar PV) for your home within the next 3 years?

↑ Significantly higher / lower than previous • year at 95% confidence interval

Significantly higher / lower than total at

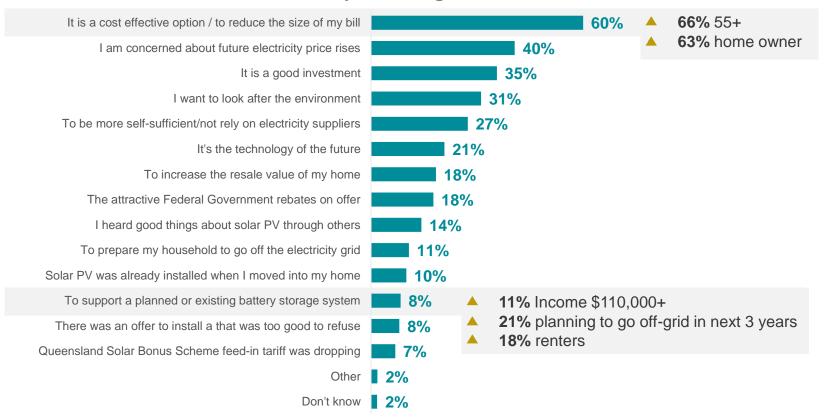
95% confidence interval

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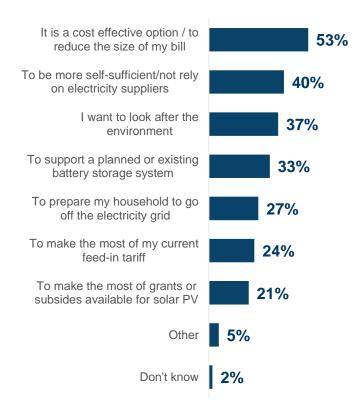
SOLAR PV MOTIVATIONS AND CONSIDERATIONS

Bill reduction is the main motivation for purchasing solar PV, however, looking after the environment is a consistent secondary motivation. When it comes to replacing or upgrading existing solar PV, self-sufficiency is a strong motivator alongside bill reduction, while environmental concerns are increasingly motivating.

Motivations to *purchasing* solar PV



Motivations to add or replace PV panels





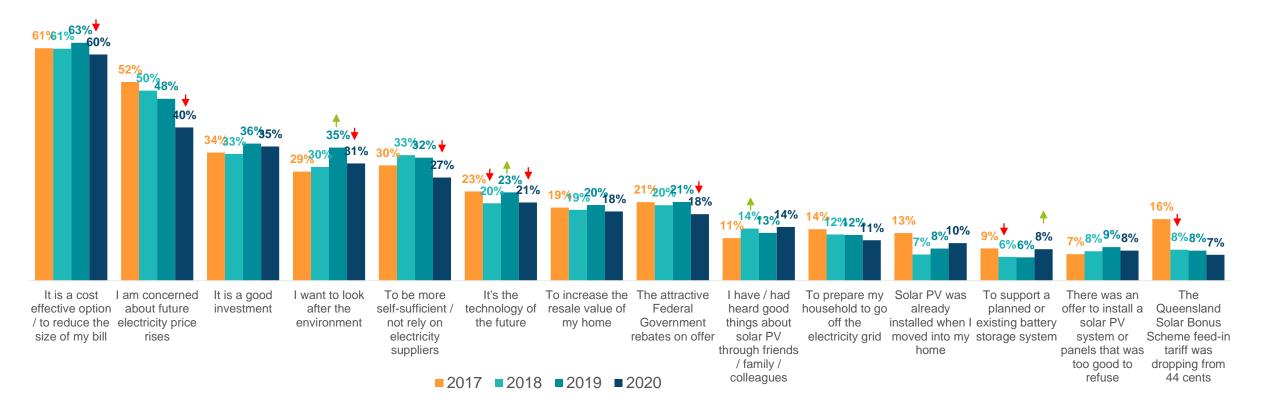
BASE: Those who have installed or are considering installing solar PV for their home (2020 n=2,266)

C11. Why did you originally decide to purchase solar PV for your home? / Why did you purchase solar PV? / Why are you considering purchasing solar panels / solar PV for your home?

SOLAR PV MOTIVATIONS AND CONSIDERATIONS

The desire to support a planned or existing battery system has grown as a motivation to purchasing solar PV, while concern around electricity price rises is less of a motivation compared to previous years.

Motivations to purchasing solar PV



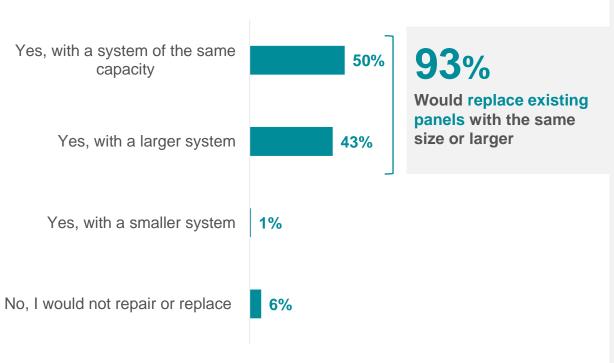


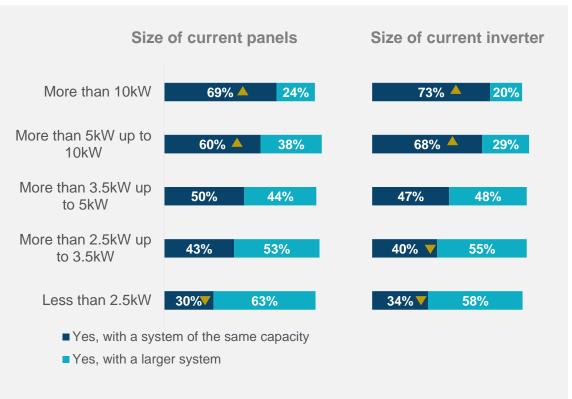


SOLAR PV MOTIVATIONS AND CONSIDERATIONS

Of those who have solar PV installed, the majority would replace their systems if they were to fail. Those who have smaller systems are likely to upgrade to a larger one, rather than one of the same capacity.

Willingness to repair or replace PV

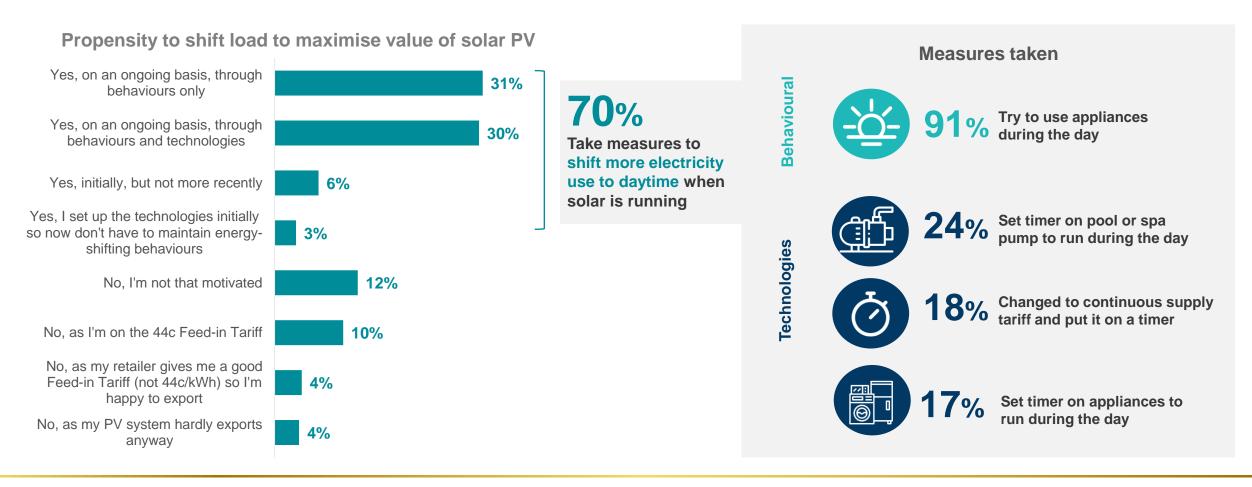






SOLAR PV ENERGY MANAGEMENT

Solar PV users are conscious of making good use of their solar, with most making an effort to use appliances during the day while the system is operating. Others have implemented technologies such as timers to help shift the load and maximise the value of their solar PV.





BASE: Those who have Solar PV installed (2020 n=1,681)

C40. Does your household actively try, through behaviours or technologies, to shift more of your electricity use to the daytime when your solar system is operating?

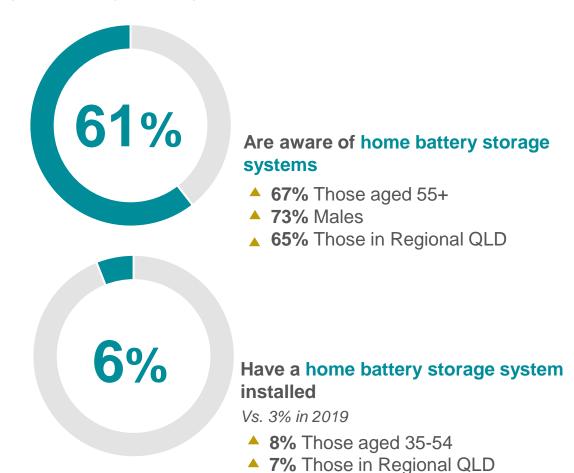
6 BATTERY STORAGE

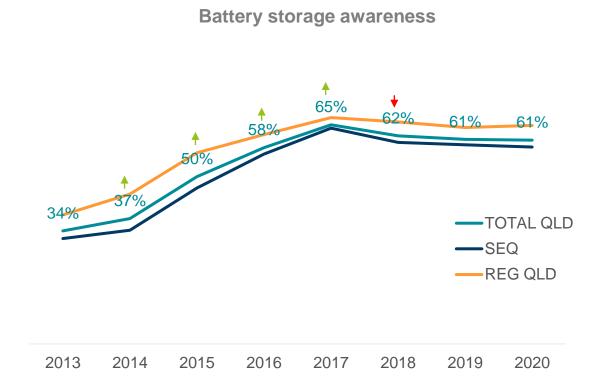
KEY POINTS

- 1. Although household penetration of home battery systems remains negligible, intention to purchase a system is strong. A third of Queenslanders state they intend to purchase a battery system, 10% in the next three years.
- 2. Of those who intend to purchase a battery system, most would consider at a price below current market prices, however 15% are willing to spend \$10,000-\$15,000 on a battery system, and a further 9% are willing to pay \$15,000-\$20,000.
- 3. Although there are barriers in terms of not having enough knowledge or not making financial sense, the process of installing a battery system itself is not perceived to be a difficult task, therefore not presenting a barrier.

BATTERY STORAGE AWARENESS & INSTALLATIONS

Although awareness of battery storage remains stable, an increased number of Queenslanders claim to have a system installed at home. This is significantly higher in regional Queensland.







Note: The stated ownership of battery storage is higher than the recorded number of installations.

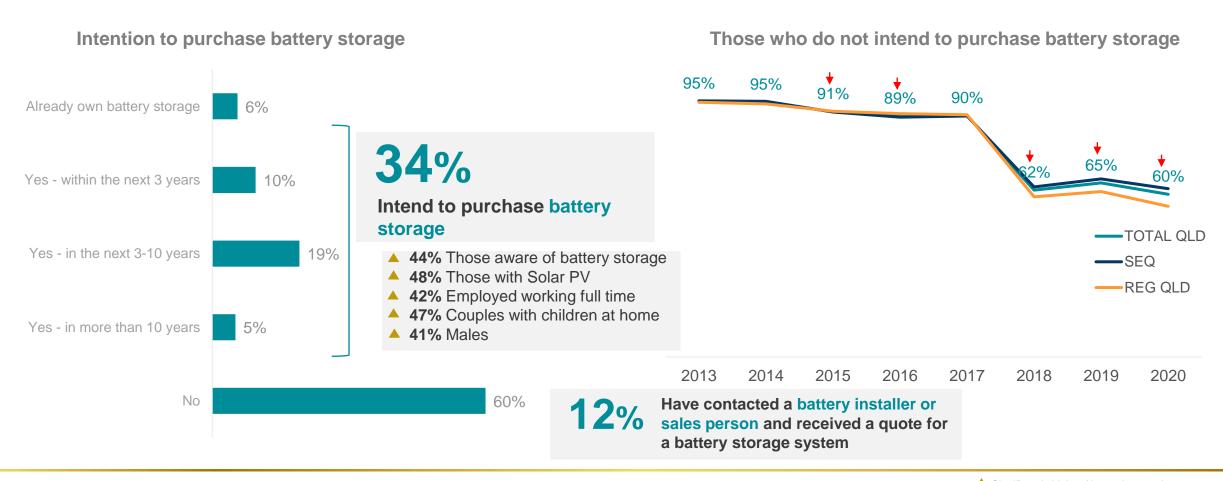
BASE: All respondents (2020 n=4,336)

C18. Have you ever heard or seen any information about home battery storage systems?

C19. Does your home have a battery storage system to store energy generated in the home (e.g. via a solar PV system or diesel generation)?

BATTERY STORAGE INTENTIONS

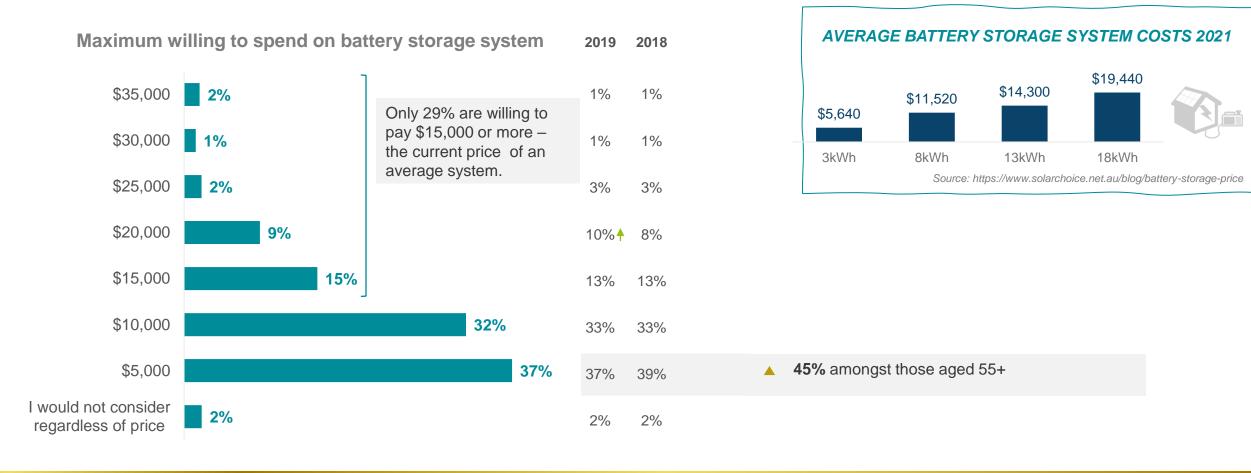
A third of Queenslanders (34%) intend to install battery storage in their homes, but only a tenth within the three years. Rejection of battery storage continues to drop.





BATTERY STORAGE SYSTEM INTENTIONS

Price remains a barrier to purchase – almost two in five intenders are only willing to pay a maximum of \$5,000 for a battery storage system. Interestingly, willingness to spend almost doubles between \$15,000 and \$10,000, with actual prices for a mid-sized system falling in between. As prices move closer to the \$10,000 mark, willingness to pay may begin to shift toward affordable.

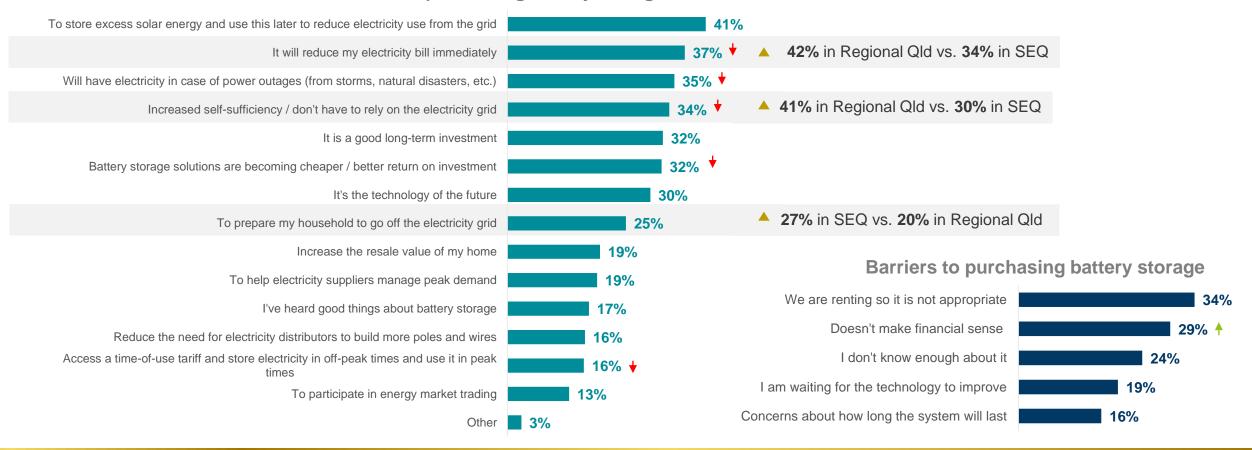




BATTERY STORAGE MOTIVATIONS AND BARRIERS

The top motivation across the board is to store electricity to use when needed. Regional Queenslanders are interested in a storage system to reduce their bill and decrease reliance on the grid.

Motivations to purchasing battery storage





COMMUNITY BATTERIES

Almost a guarter (23%) of Queenslanders are aware of community batteries, with a similar amount (22%) interested in the concept.

DESCRIPTION OF COMMUNITY BATTERIES

Community batteries are a neighbourhood energy storage solution, where solar PV owners can store their surplus PV generation during the day then access that renewable energy in the evening. This offers an alternative to PV owners purchasing their own battery systems, and provides a range of benefits to the network, including being able to host more solar PV systems. Eventually, even those who don't have a solar PV system may be able to access the renewable energy in community batteries. Program participants may contribute an initial investment to the community battery to share in the benefits, or pay for a subscription service, or a combination.

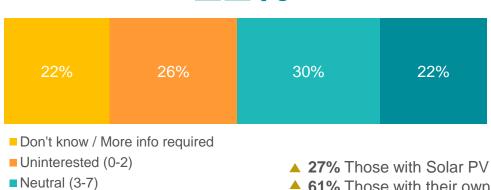
■ Interested (8-10)



Are aware of the concept of community batteries

- ▲ **33**% Males
- ▲ 38% Outback QLD
- 31% Those with Solar PV
- ▲ 77% Those with their own battery storage





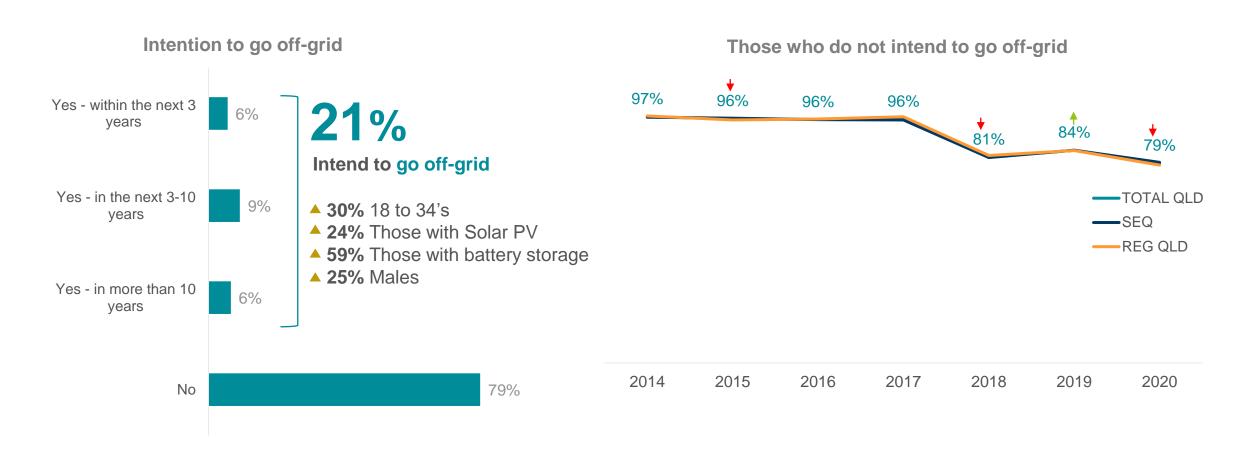
- ▲ 61% Those with their own battery storage
- ▲ **54%** Those who intend to go off-grid in the next 3 years



KEY POINTS

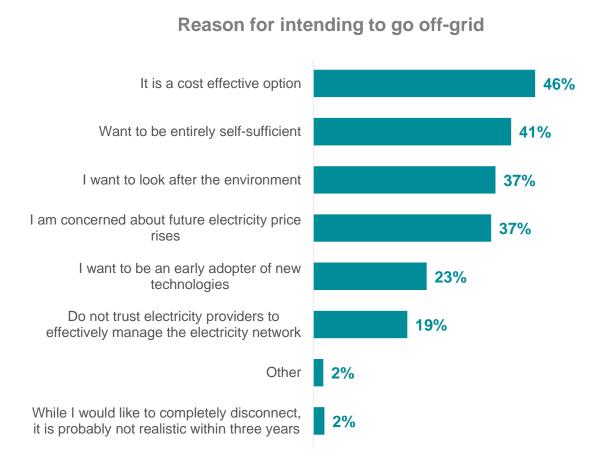
- Intention to disconnect from the electricity grid continues to rise. Cost effectiveness remains the
 main reason for wanting to make this change, however concerns about the environment are
 becoming increasingly salient. In line with decreased electricity bill concerns among
 Queenslanders, concerns about electricity price rises have decreased in terms of being a reason to
 go off-grid.
- 2. There is seemingly a poor understanding around what it means to be truly off-grid, with most believing the processes involved do not pose a barrier.

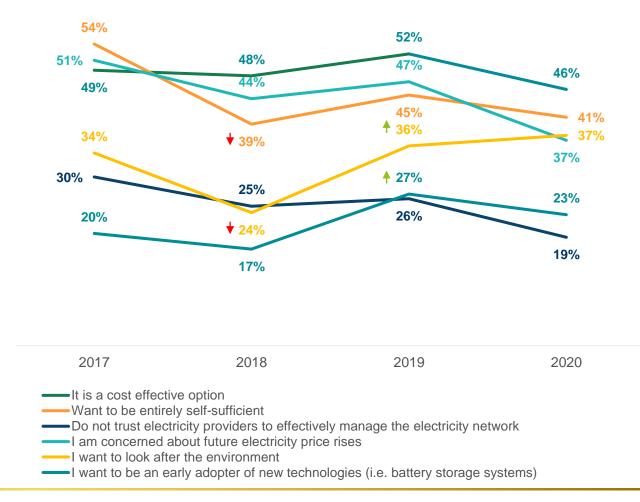
Intention to go off-grid has significantly increased since 2019, although the likelihood to do so in the short term is low.





The appeal of going off-grid is largely driven by cost or a concern about future electricity prices, with a desire to be self-sufficient, while a desire to look after the environment is increasingly becoming a key reason to go off-grid.

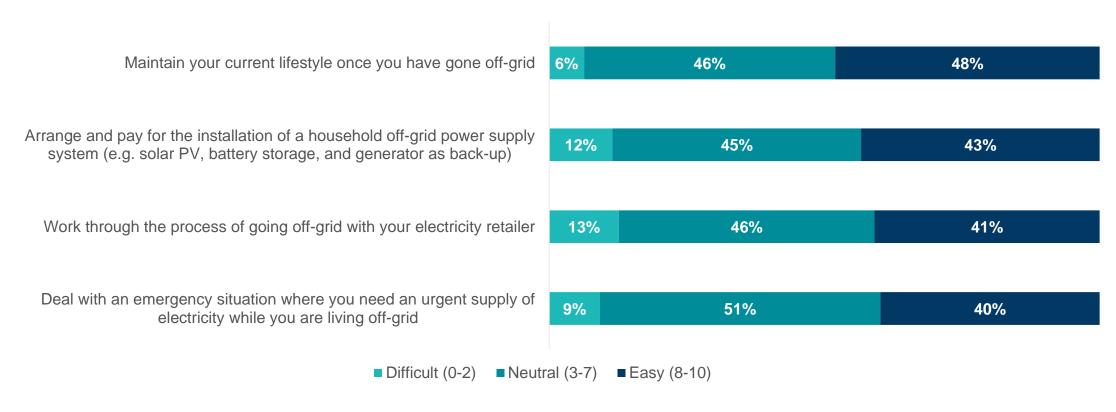






The process of going-off grid is not a barrier, with very few believing that the process will be difficult.

Perceived ease of going off-grid





8 ELECTRIC VEHICLES (EVs)

KEY POINTS

- 1. Consideration of EVs has increased, with half of Queenslanders that are considering purchasing a new vehicle in the next three years stating they would consider an EV.
- 2. The majority of EV owners charge at home, and report that they have the ability to control the start time of their charging. However, only a quarter indicate that they use some type of control.
- 3. Range and price still remain barriers for many, almost two-thirds (59%) of Queenslanders considering an EV requiring a minimum range of 500km, most expecting to pay between \$30,000 and \$50,000.

EV OWNERSHIP AND PURCHASE INTENTION

At a total level, 3% of QHES 2020 respondents state that they own an electric vehicle. Of those who are considering purchasing a new car in the next 3 years, over half would consider an EV at that time.



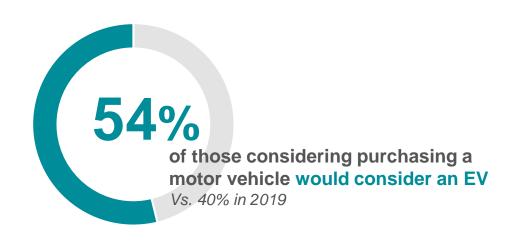
2.5% **BEV** state they own a BEV

PHEV 1.0% state they own a PHEV

STATED VS. ACTUAL EV & PHEV

Energy Queensland internal data – 0.2% vs. 0.1% in 2019.







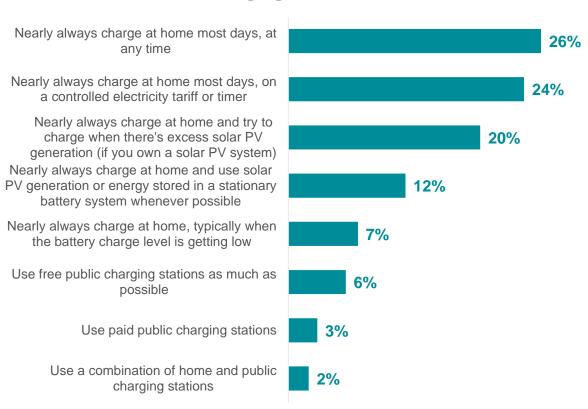
BASE: All respondents (n=4,336)

F7. Are you considering purchasing a motor vehicle of any kind in the next 3 years? F1. Do you currently own either a plug-in electric car or a plug-in hybrid car?

CHARGING ELECTRIC VEHICLES

While there are no significant changes to the way EV owners are charging their vehicles, there appears to be a shift away from using a controlled tariff or timer and towards charging when convenient. This is despite an increased proportion of EV owners stating they have the ability to control the time of charging.

EV charging method





of survey respondents state they have the ability to control when their electric car will start charging

Vs. 53% in 2019

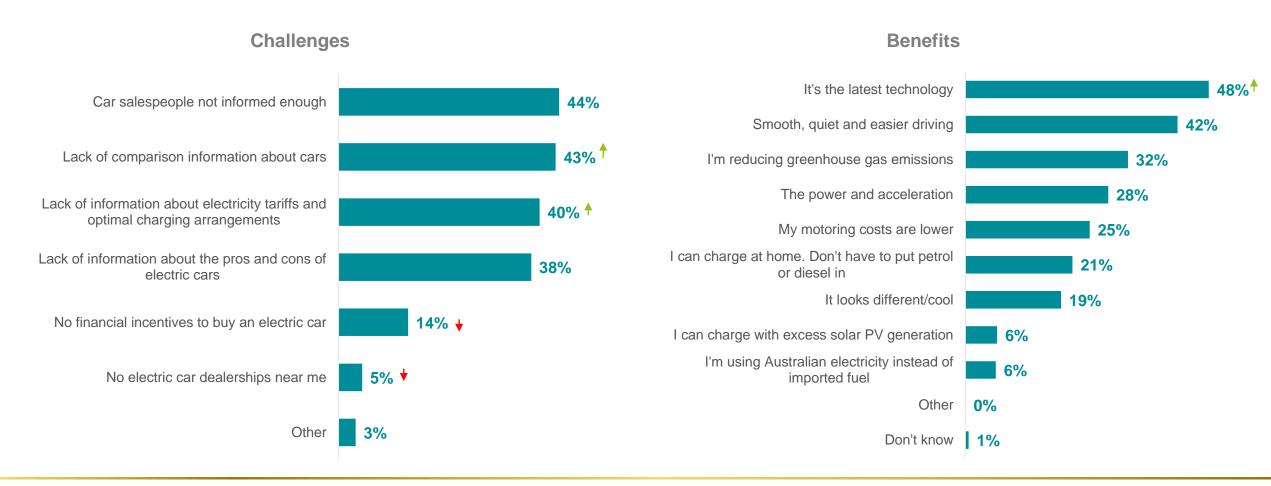


BASE: Those who own an EV (n=101)

F3. How do you normally charge your electric car?

CHALLENGES AND BENEFITS OF EV PURCHASE

Current EV owners found the lack of information a challenge when purchasing their vehicle, including lack of information about tariffs and charging.

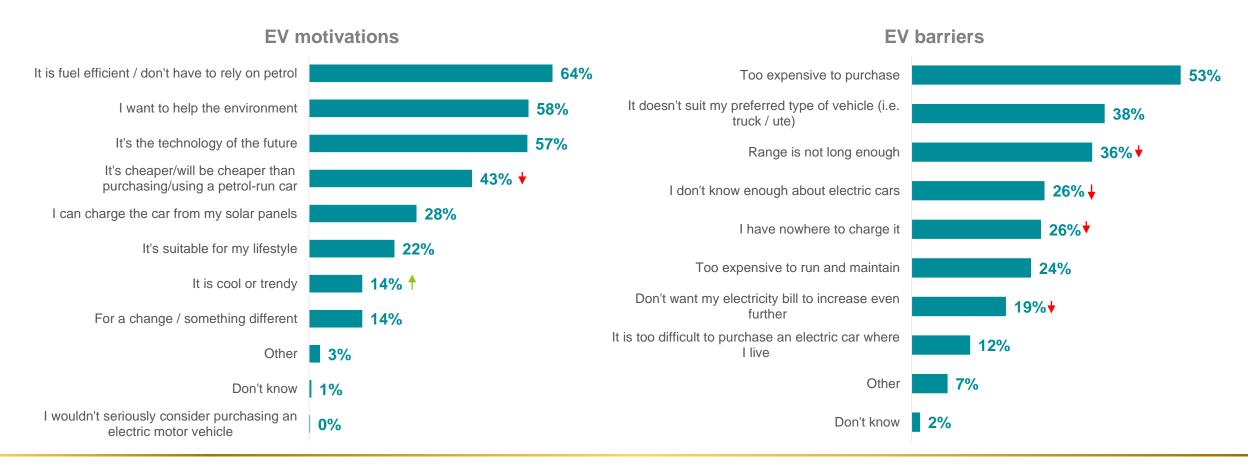




BASE: Those who own an EV (n=101)

MOTIVATIONS AND BARRIERS TO EV OWNERSHIP

Fuel efficiency and environmental issues remain the key motivations, with barriers generally dropping in 2020. The key barrier of price remains intact at the level seen in 2019. The other key barriers – vehicle type and range – are relatively distinct from each other, however those who feel EVs are not suited to their preferred vehicle type are less likely to overlook this barrier, while issues around range can potentially be mitigated by changes in pricing and improvements in EV range.





BASE: Those considering an EV in the next 3 years (n=705)

F11. Why are you open to purchasing a plug-in electric or a plug-in hybrid car? Please note an electric car does not include a mobility scooter, golf buggy or electric bike.

BASE: Those not considering an EV in the next 3 years (n=723)

F12. Why are you not considering purchasing a plug-in electric or plug-in hybrid car? Please note an electric car does not include a mobility scooter, golf buggy or electric bike.

EV REQUIREMENTS

Although range requirements do differ by region, most of those considering an EV do require a range of at least 500km. The price points most are willing to consider for an EV sit around the \$30,000 - \$50,000 mark, dropping off considerably above that.





BASE: Those considering an EV in the next 3 years (n=705)

