Stakeholder engagement used in DNO/DSO forecasting to produce the Distribution Future Electricity Scenarios (DFES)

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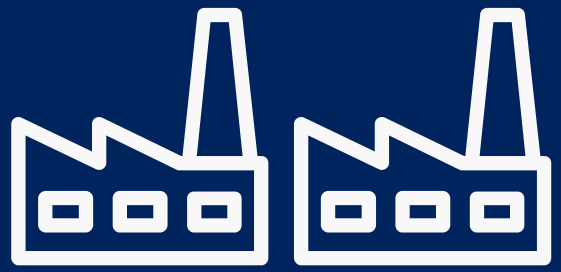
Who we engage with

There are three types of stakeholder we need to consider in our DFES (distribution future electricity scenarios)



I&C customers

Large industrial and commercial customers whose plans will collectively increase the demand and generation on our network

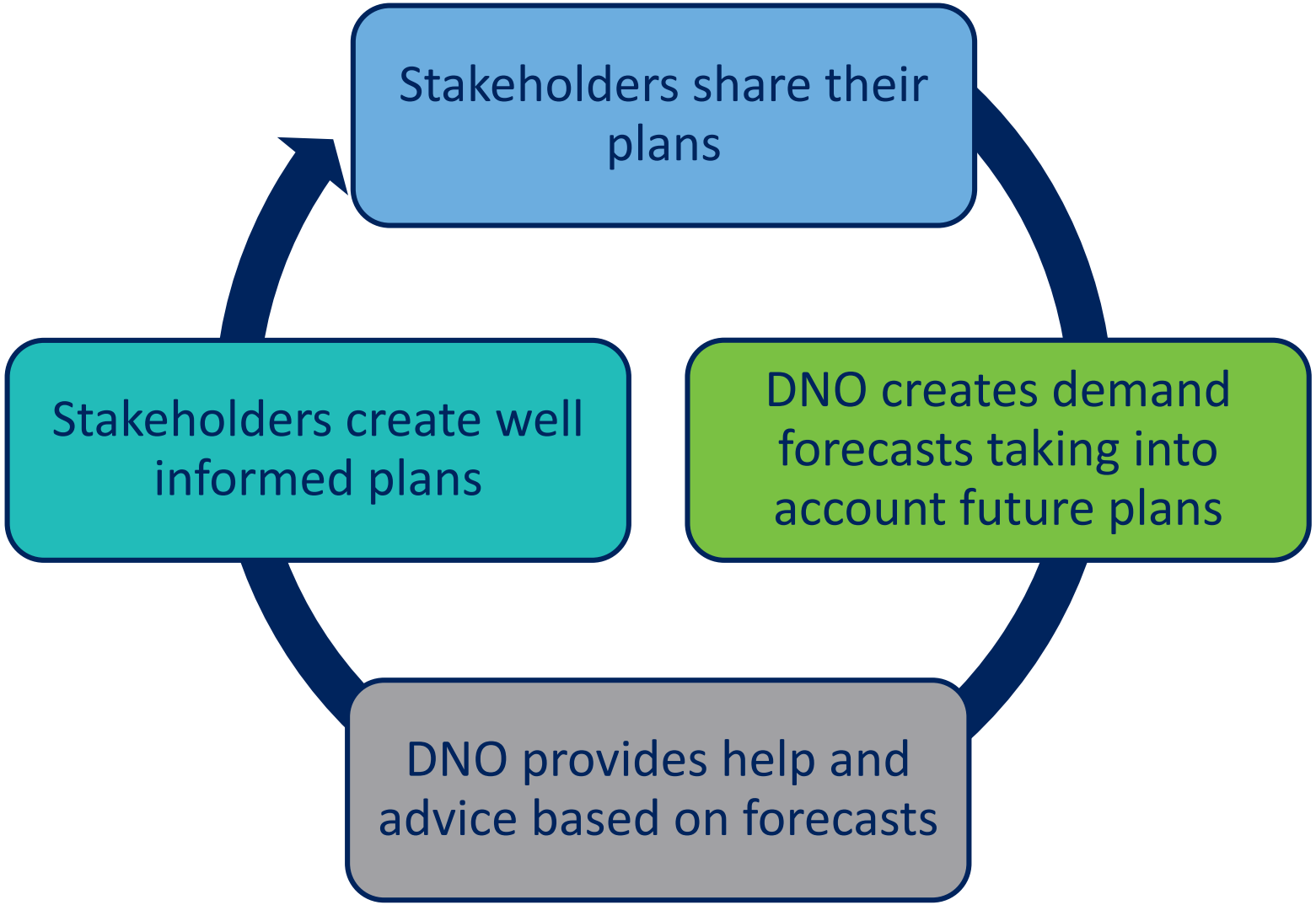
Local Authorities and enterprise partnerships

The councils setting out the long term development strategy for their respective areas

IDNOs

Independent Distribution Network Operators with embedded networks connected to ours

The cycle of engagement



Why it's important for DNOs to engage

Our stakeholder's plans have the potential to significantly impact our network

It's important that we are aware of them so that we can take a considered, informed approach to our DFES

This helps us to identify where on our network we may need to invest to meet future needs

Ensuring that we spend customers money in the most efficient way

How it benefits local stakeholders

We believe that the engagement process is mutually beneficial. As a result of our forecasting, we are able to…

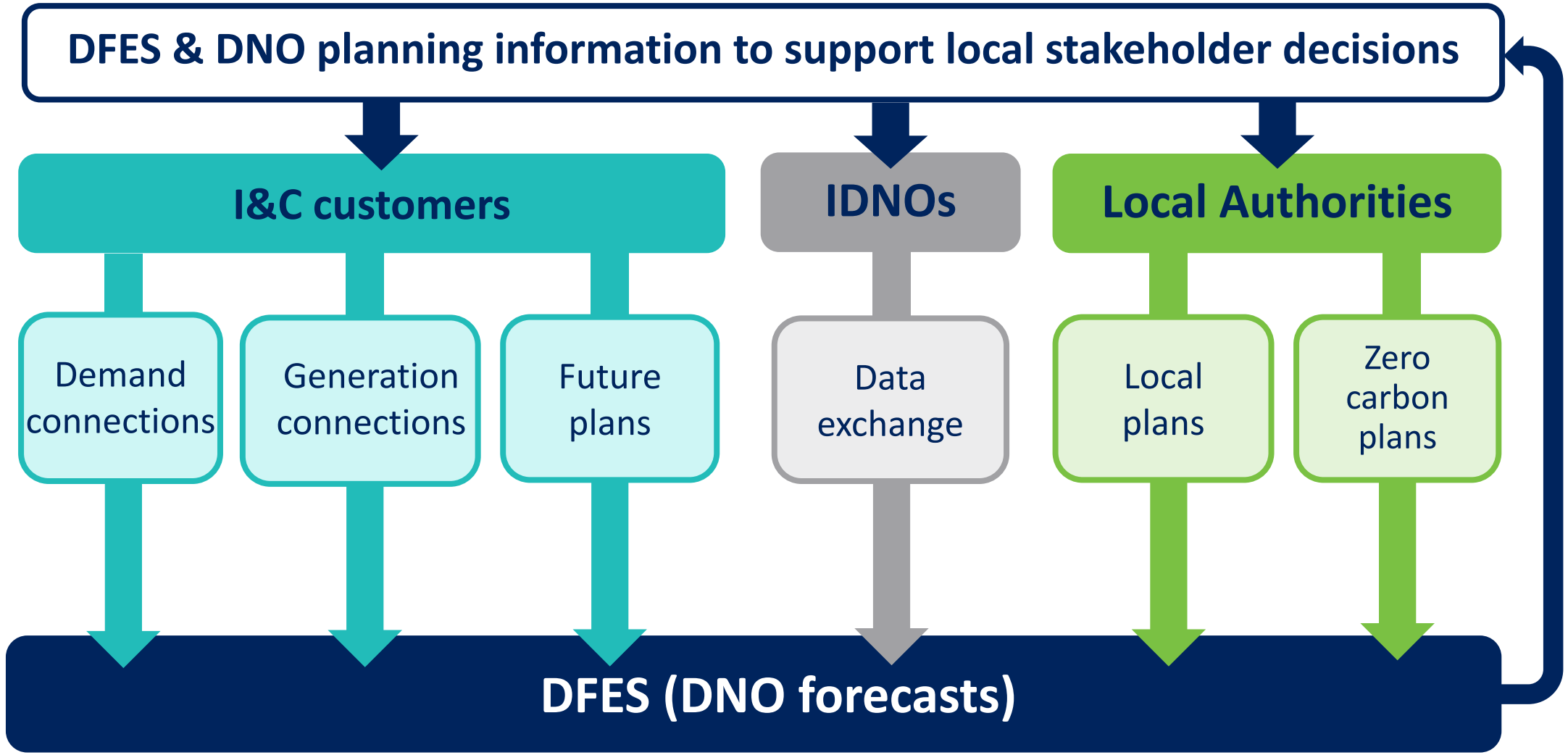
Ensure the network is able to support local authorities' decarbonisation plans and the UK's transition to a low carbon future.

Publish datasets for our customers with regional information on demand and generation. Publications include DFES report & workbook, LTDS and heat map tool.

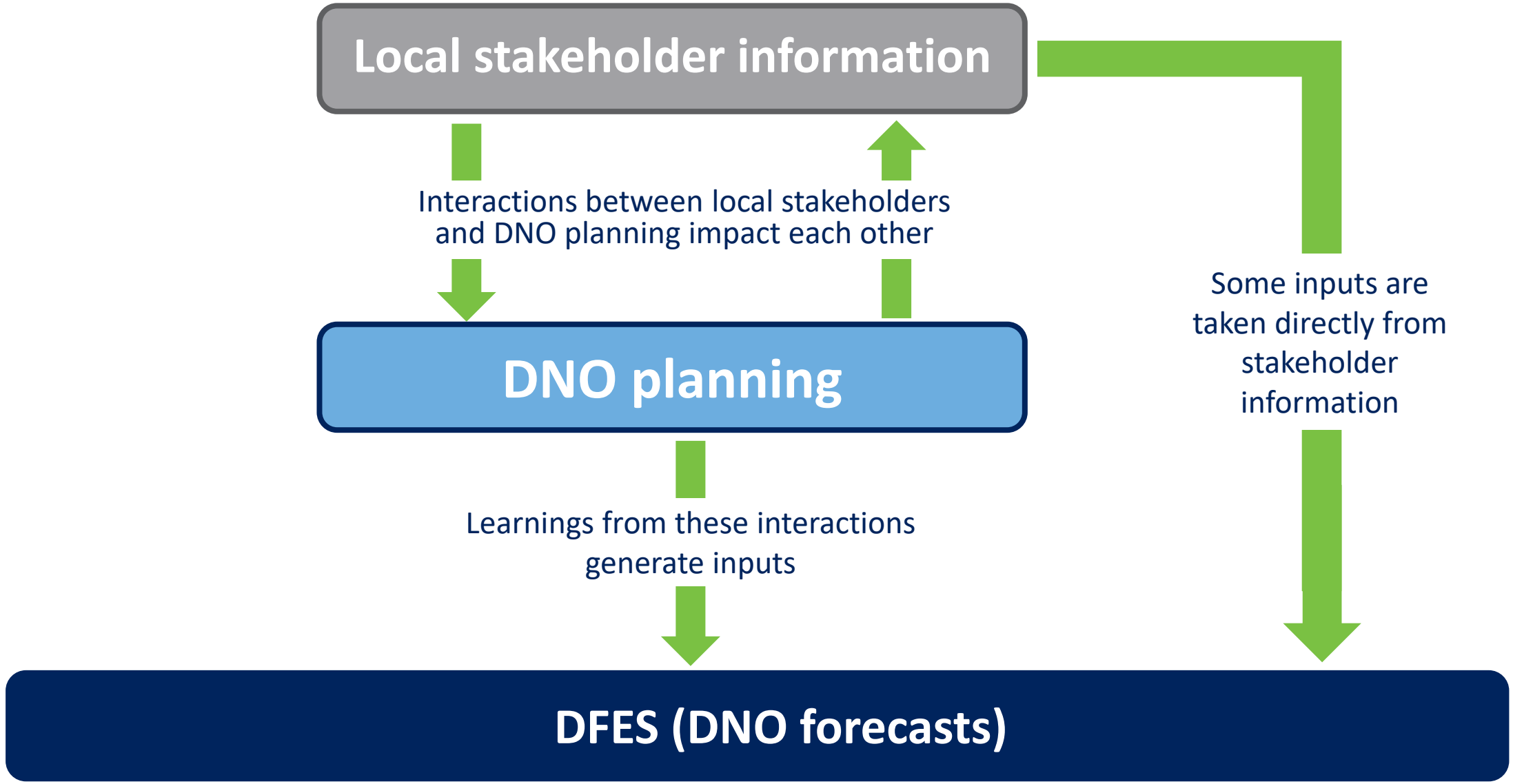
Identify opportunities for our customers, such as flexible services and alternative flexible connections.

Provide enough capacity to keep the lights on for our customers both now and in the future.

An overview of the information modelled in DFES

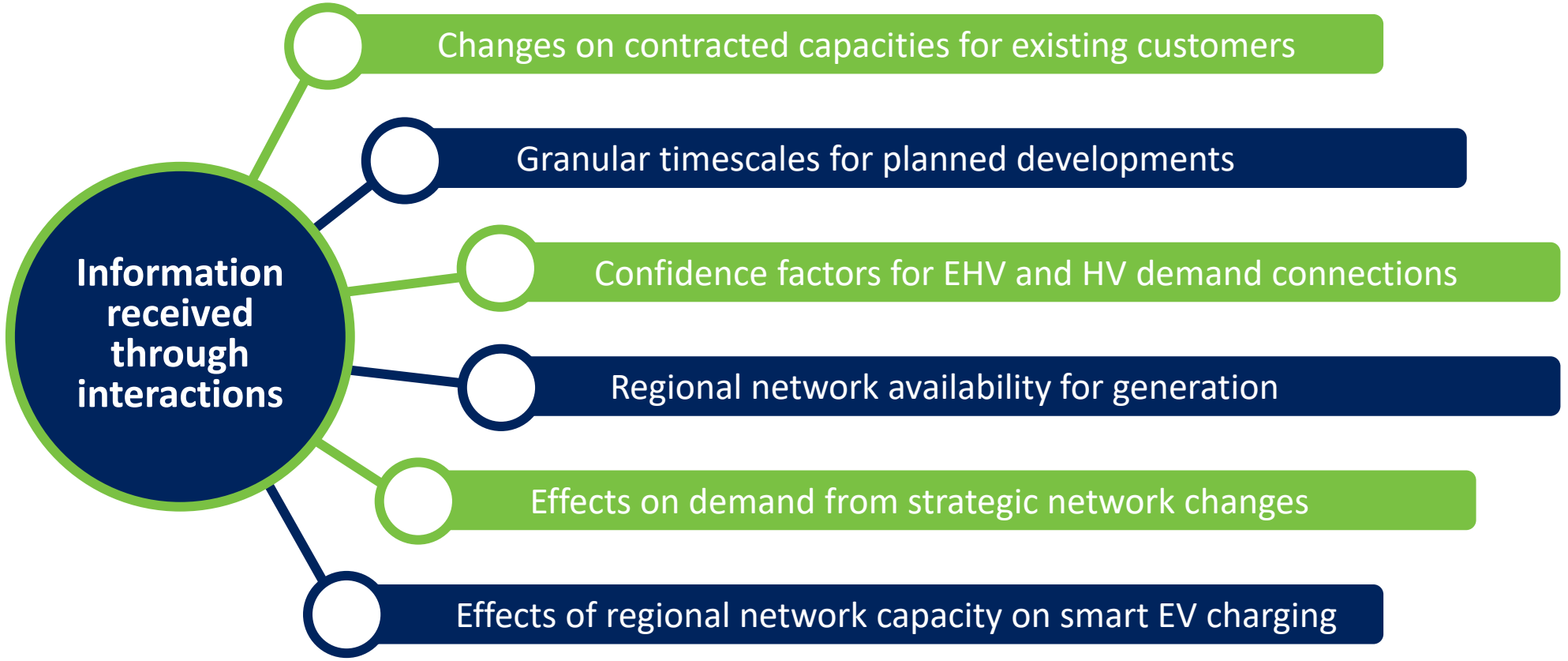


How we obtain DFES inputs



Information obtained through interactions

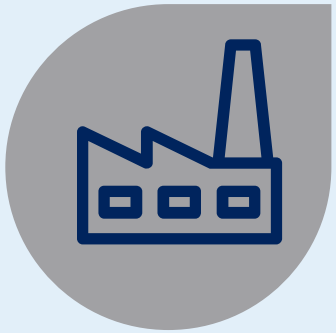
Although there are direct inputs which feed into our DFES from our stakeholders, a lot of critical information comes from our internal planning departments as a result of their interactions with our stakeholders.



How local authorities' plans affect our forecasting

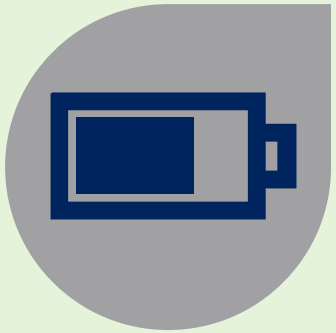
Input	How this impacts our forecasting
Housing projections 	Information allowing us to make an adjustment to the regional domestic demand forecasts.
Zero carbon plans 	Plans and policies allowing us to update forecasts for Low Carbon Technology uptakes.
EV charging point plans 	Plans which help us to frame the regional uncertainties surrounding EV charging.
Planned developments 	The pipeline of planned developments allow us to update regional trends of demand and generation.

How we model industrial & commercial customer plans



Demand connections

Provide certainties for the pipeline. Confidence factors based on historic performance & quoted/accepted projects used for HV demand connections. More detailed info used for very large EHV demand connections.



Generation connections

Likelihood indices based on customer information and project milestones are applied to accepted generation & battery storage connections in the pipeline.

Future plans

Future plans of existing customers are reflected in regional forecasts, including changes in contracted capacities.

Information from IDNOs

On an annual basis we request verification of the information we hold about IDNO networks connected to ours, this includes..

Customer numbers

Contracted capacities

Locational data

Numbers of LCTs

This information forms part of the baseline data for our forecasts