

# Your Views on Our plans: Flooding Resilience

RIIO-ED2 Stakeholder Engagement



## What SP Energy Networks Do?

SP Energy Networks own and operate the electricity distribution network in the Central Belt & South of Scotland (SP Distribution) serving 2 million customers, and in Merseyside and North Wales (SP Manweb) serving 1.5 million customers. Our networks include nearly 40,000km of overhead power lines, 65,000km of underground cable and over 33,000 substations. Our assets keep vital electricity supplies safe, secure and reliable, and we work hard to maintain supply during exceptional weather events.

We are seeking your views on our investment plans for reducing the risk of flooding at our substations, which may lead to prolonged power-cuts, during our next regulated price control period (RIIO-ED2) running from 2023 to 2028.

## Our Flooding Strategy

Our licence areas cover a wide variety of environments, ranging from city centres such as Glasgow and Liverpool, to national parks and coastal areas such as the Fleet Valley and Anglesey. Because of this, we have varied flood strategies across our network with flood mitigation prioritised at our substations within regional flooding maps.

Our strategy is to remain compliant with the latest version of the ENA Engineering Technical Recommendation for Resilience to Flooding at our larger and more critical substations ([ETR/138](#)). This sets out a risk-based approach to identifying and managing flooding at our substations, using flood risk data provided by national agencies<sup>1,2,3</sup>.

We intend to achieve compliance with this recommendation through a mix of permanent, semi-permanent, temporary and innovative flooding solutions including defence walls, embankments, site relocation and perimeter boundaries.

All new substations, and existing sites where assets are being replaced, will be reviewed against our flood policy and designed to withstand flood risks, including allowance for the impacts of climate change, for the design life of the assets.

We are keen to consult with our stakeholders and appropriate interest groups to identify flooding resilience strategies we could adopt, and to gain support for our stated approach.

## Gathering Your Views on our Plans

Do you have any views on how we identify high-risk flood locations beyond national environment agency flood maps?

Do you have views on where we should go further than industry best-practice or extend flood mitigation to our smaller sites?

Are there any new or innovative flood resilience solutions you would expect us to apply?



Examples of flooding resilience measures, photos from ETR/138, 2018.