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Ground Source Heat Pump
Association Conference

Digging the dirt: a Scottish perspective on heat pumps

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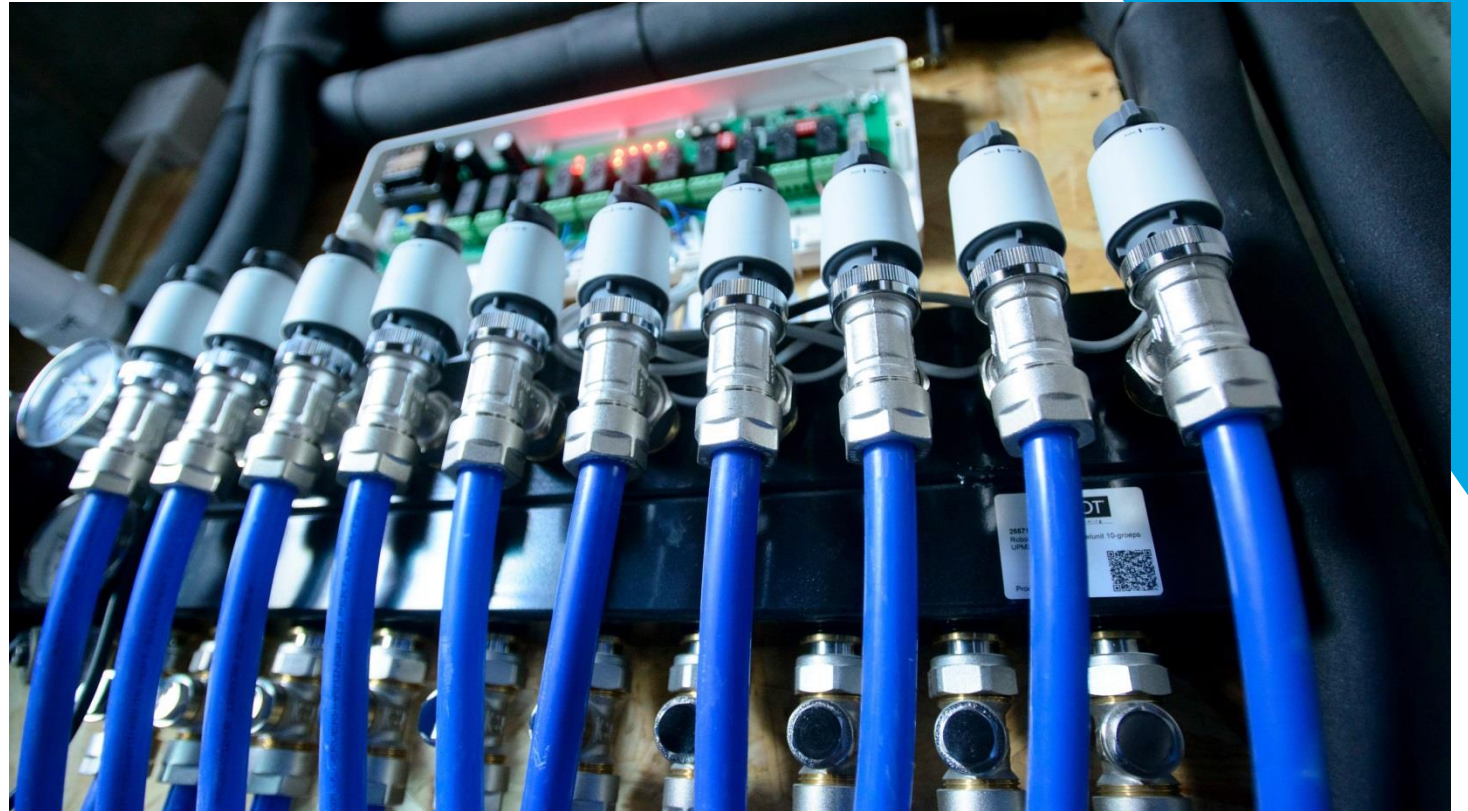




- Scottish Renewables is the voice of Scotland’s renewable energy industry. Our vision is for Scotland leading the world in renewable energy.
- We represent over **260 members** covering the full range of renewable technologies and support services, from supply chain to legal and consulting.
- Our policy team includes specialists on
 - Offshore wind and marine renewables
 - Onshore wind, planning
 - Heat and hydrogen
 - Climate and energy policy
 - Grid and markets

Heat Pump Sector Deal

- History
- Progression
- Interim report
- Final report and recommendations to Scottish Ministers



Heat Pump Sector Deal

- Current state of heat pump market
- Scotland's heat pump supply chain, upstream and downstream
- Existing rate of heat pump deployment
- Support mechanisms
- Heat in Buildings Strategy ambition for heat pumps

Recommendations

- Scotland's enterprise agencies should work with industry to support Scotland as a global centre of excellence for heat pump manufacture.
- The Scottish Government should increase the funding available through loans and grants to support heat pump installation and provide multi-year certainty on the availability of this funding.

Recommendations

- The Scottish Government should create a definitive 'market moment' for heat pumps by clearly signaling the end point for conventional fossil fuel heating systems.
- Industry and government should work together on specific actions to ensure the growth in the skilled workforce required to support heat pump deployment.
- Industry and government should work together to ensure the necessary certification and quality assurance standards are met.

Recommendations

- The Scottish Government should work with Ofgem and network operators to ensure that neither network capacity constraints nor administrative processes for heat pump connection become a barrier to heat pump deployment.
- The Scottish Government should continue to work with the UK Government to support heat pump deployment through energy market reforms.

Recommendations

- Support for increased heat pump deployment should be accompanied by support for fabric energy efficiency measures.
- The heat pump sector in Scotland should embrace the need for technical and business model innovation to improve heat pumps as a value proposition for consumers.

Recommendations

- The Scottish Government should continue to support demonstration programmes where these are necessary to drive further progress in the market.
- Government and industry need to work together to ensure consumer engagement with and acceptance of heat pumps.

Heat Pump Sector Deal

- Interim report is on the Scottish Government website:
- <https://www.gov.scot/publications/heat-pump-sector-deal-expert-advisory-group-interim-report/>
- The final report and recommendations is due out very soon.

Heat in Buildings Strategy

- What's good:
- Setting a target for a million homes and 50,000 non-domestic properties to move to zero emissions heat by 2030
- Supply chain delivery plan for e/e and zero emissions heat
- Green Heat Finance Taskforce will be set up by the end of 2021
- SG are going to set up a National Public Energy Agency to accelerate change in how we heat and use energy in buildings

Heat in Buildings Strategy

- What's good:
- Local Heat and Energy Efficiency Strategies (LHEES) plus Delivery Plans for each local authority
- By 2030 a large majority of buildings should achieve a good level of energy efficiency, which for homes is at least equivalent to an EPC band C, with all homes meeting at least this standard by 2033.
- A separate policy statement covering quality assurance for the Heat in Buildings Strategy later in 2021.

Heat in Buildings Strategy

- What's not so good:
- More Strategies to come – refreshed Energy Strategy & Energy Just Transition Plan, Fuel Poverty Strategy, Public Engagement Strategy, Islands Energy Strategy
- Lots of consultations!
- £1.8 billion investment – over 5 years, and estimates say that it will cost at least £33 billion
- Reliance on UK Government action – devolved/reserved matters (e.g. consumer protection for heat networks, powers to designate a licensing authority for heat networks, rebalancing of gas and electricity bills to help create favourable market conditions)

Heat Networks (Scotland) Act

- Framework Act, lots of regulations to come
- Not clear about what will happen to existing networks
- How local authorities will be resourced
- Who the regulator will be
- How all the parts of the Act will work together – licenses, consents and permits
- Obligation to connect?
- Heat Networks Delivery Plan to be published April 2022
- Consumer protection is a reserved issue



COP: Conference of the Parties

- COP is the decision-making body responsible for monitoring and reviewing the implementation of the United Nations Framework Convention on Climate Change and has met annually since 1995.
- COP26, the United Nation's 26th Conference of the Parties, is coming to Glasgow in November 2021 to decide a global agreement on the next steps to reduce carbon emissions and tackle climate change.

COP

- Why is it important?
- In the run up to COP26 the UK is working with every nation to reach agreement on how to tackle climate change. More than 190 world leaders will attend this conference, which many believe to be the world's best last chance to get runaway climate change under control.
- With the world watching the talks in Glasgow, Scottish Renewables is joining with its members to highlight our contribution to the fight against climate change.

Scottish Renewables - Year of COP

- Year of COP Partners: Banks Group, Crown Estate Scotland, EDF Renewables UK & Ireland, Kensa Contracting, SSE Renewables & Worley.
- Claire Mack, CEO Scottish Renewables - Friend of COP
- Dedicated website - <https://www.scottishrenewables.com/events/96-year-of-cop>
- COP26 Conference – Scotland’s Role in Raising Global Ambition (February 25, online)
- Scotland's Renewable Energy Roadshow (summer)
- Year of COP blogs
- COP26 networking reception for members in November

Renewable Energy Roadshows

- Cromarty Firth
- Lochgilphead
- Dumfries
- Pitlochry



Renewable Energy Roadshows



Renewable Energy Roadshows



Renewable Energy Roadshows





Thank you!

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