

The Bradford Winter Strategy

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**HIGHWAY MAINTENANCE
WINTER SERVICE
OPERATIONAL PLAN**

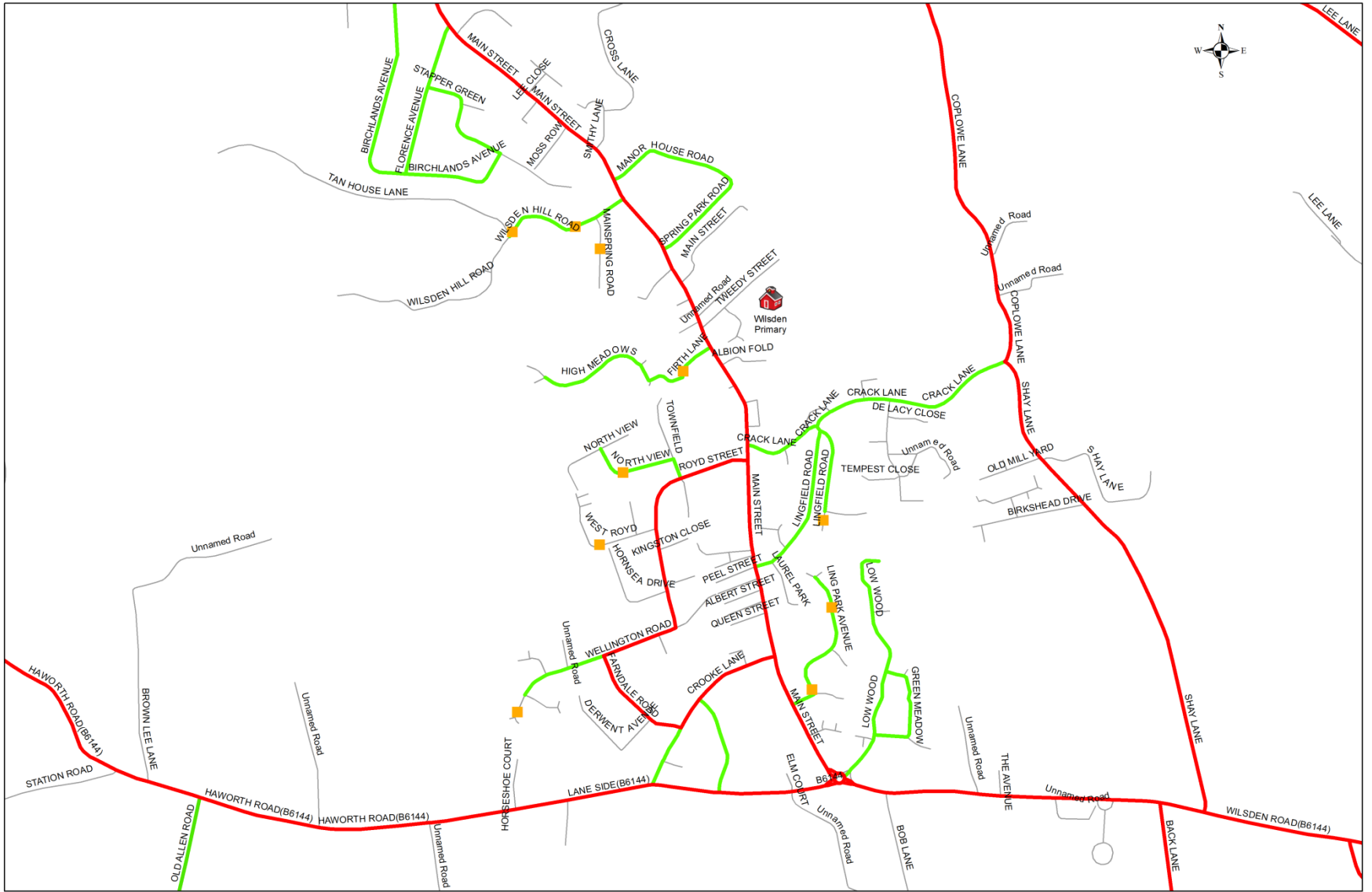
2017 - 2018

**A Guide to Highway Policies
and Procedures**



Winter Service Plan

- Passed at CMT back in September 2018
- Not really different to the first in 2014
- Winter Review in May
- Communication with public major concern
- All Priority 1 maps available in 2017-2018
- All priority 2 in 2018-2019
- Also location of Grit Bins

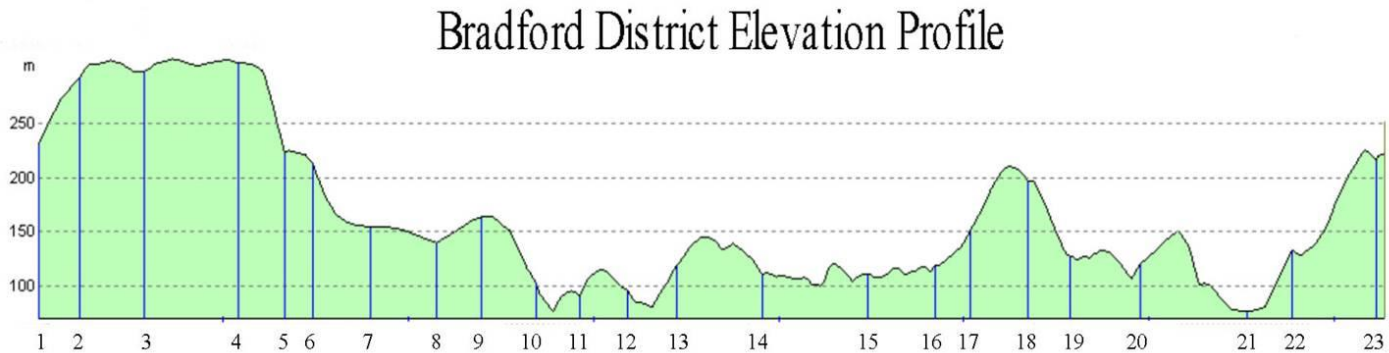


Priority 2 Gritting Route



RST's can vary between 2-4 Degrees

- | | |
|-------------------|--------------------|
| 1 Haworth | 14 Bingley |
| 2 Oxenhope | 15 Keighley Centre |
| 3 Denholme | 16 Steeton |
| 4 Queensbury | 17 Silsden |
| 5 Clayton | 18 Silsden Moor |
| 6 Halifax Road | 19 Addingham |
| 7 Odsal | 20 Ilkley |
| 8 Bfd City Centre | 21 Burley |
| 9 Undercliffe | 22 Menston |
| 10 Greengates | 23 Ilkley Moor |
| 11 Thackley | |
| 12 Shipley | |
| 13 Lower Baildon | |





- Baildon
- Carr Lane/Wrose Road
- Gt Horton/Cross Ln
- Queensbury
- Odsal Top
- Dudley Hill Roundabout
- Bankfield Roundabout
- Greengates
- Thornbury
- Sandy Lane
- Cooper Lane
- Thornton Rd/Halifax Rd



- Output 1
- Output 1
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Control panel with a directional pad, buttons for 'Scene' and 'Set', and 'AUX in' / 'AUX off' options.

Time	Device	Events
19/01/2018 07:07:13	Thornton Rd/Halifax Rd	10.209.145.9 is connected
19/01/2018 07:07:13	172.23.3.133	172.23.3.133 is connected
19/01/2018 07:07:13	Queensbury	10.140.73.9 is connected
19/01/2018 07:07:13	10.140.144.45	10.140.144.45 is connected
19/01/2018 07:07:12	Odsal Top	10.140.79.40 is connected
19/01/2018 07:07:12	Thornbury	10.136.84.133 is connected
19/01/2018 07:07:12	Cooper Lane	10.136.84.69 is connected
19/01/2018 07:07:12	Bankfield Roundabout	10.140.70.77 is connected
19/01/2018 07:07:12	10.140.74.5	10.140.74.5 is connected
19/01/2018 07:07:12	10.136.88.141	10.136.88.141 is connected

Panasonic

Winter 2018-2019

- 92 Priority 1 Routes
- Priority 1 Routes = 712 Miles
- 24 Gritters
- 7 Footway Gritters
- 22 weeks out of 27 weeks roads treated
- 2 Weeks in January and March teams worked 24/7
- 20,000 tonnes of Salt used
- Meteorologist in Denholme recorded 57 days of snow

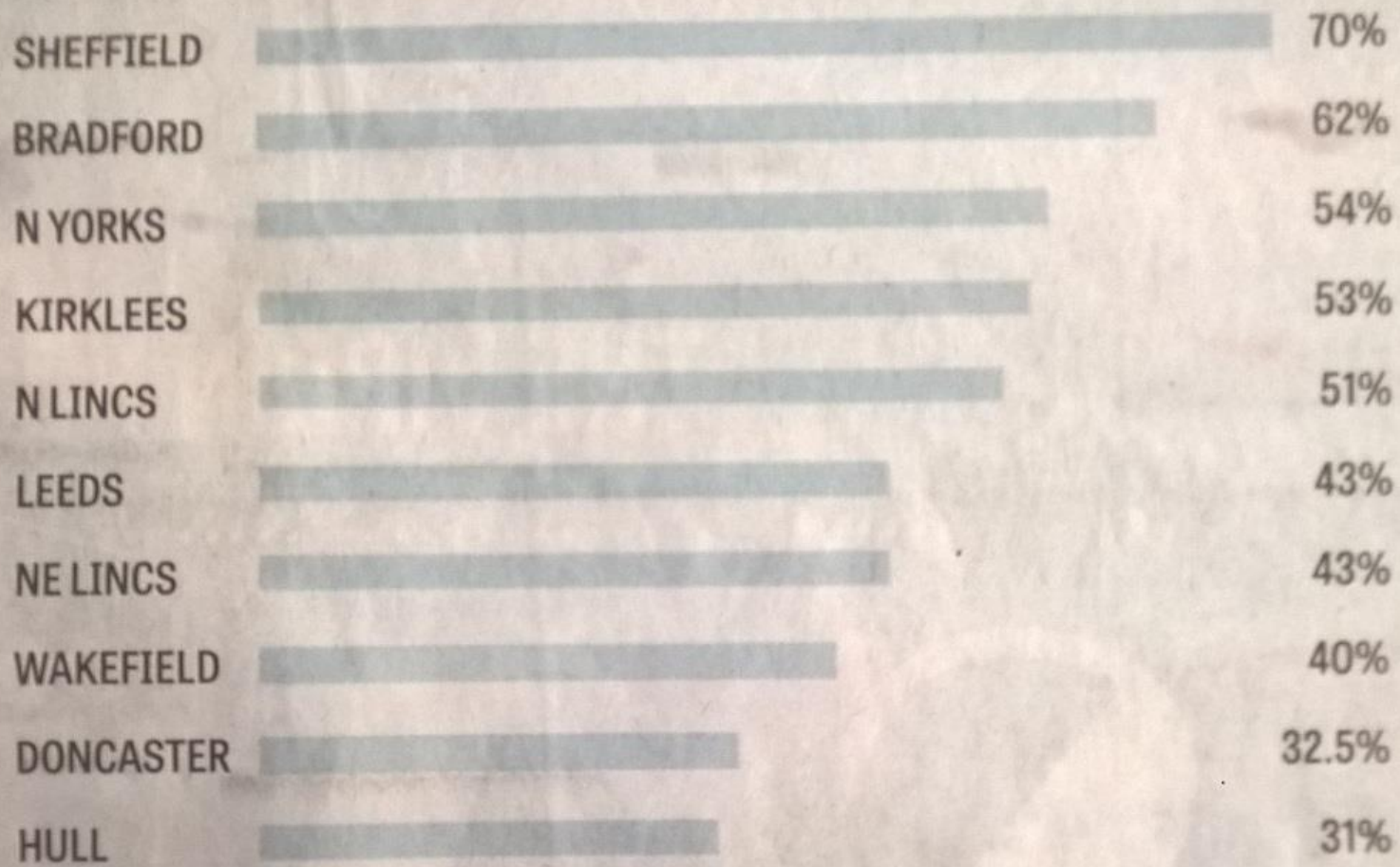




Bradford Roads- Chaos



PERCENTAGE OF PRIORITY ROUTES GRITTED IN YORKSHIRE



SPECIAL REPORT

Making sure Yorkshire's massive network of roads stays open, even in the depths of winter, involves lots of planning and hard work. **Ruby Kitchen** reports – and finds that there's no 'magic dust' to get the job done.

'Keeping roads clear involves lots of planning'

THERE'S NO 'magic dust', say those in charge, to keep North Yorkshire's roads clear. It's a system of preparing, of stockpiling and navigating, and of always watching the weather.

There are a great many roads in England's biggest county – about 5,500 miles' worth. Some deeply rural, others rarely used. But they form a lifeline to those who do.

Keeping them clear is a priority, says Mike Roberts, head of highways operations at the county council. There is a statutory duty, but also a social responsibility. It's a system of meticulous planning amid uncertain wintry weather. And, with a network of farmers and contractors, of leaning on those who can go where the gritters cannot.

"Clearly, it's impossible for any highway authority to clear and treat every road," he said. "We are dispersing salt, and pushing snow out of the way with ploughs.

"But it's not magic dust – we can't ensure that snow won't land again. We can't get to every door, but we can try and get near so that people can access a network. Main roads will be gritted. Where we're different is in these links to communities. It's about getting children to school. Getting people to doctors' appointments. Ensuring people are able to get to the shops for food."

North Yorkshire County Council

Maintenance 'top priority'

WINTER MAINTENANCE in North Yorkshire is a "top priority" for the area, the authority has stressed.

The number of gritters has fallen from 93 in 2010 to 86, as a result of "operational efficiencies" which it says have not affected the network. The number and contractors used has also fallen, from 130 to 111, grit bins and grit heaps have reduced from 10,000 to 8,000.

The authority has stressed that dealing with winter conditions is a complex operation, but is a "top priority" and it is well prepared. Winter partnership schemes are run with parish councils to bring together volunteers to clear snow and treat roads and footpaths.

"The public will not have seen a decrease in services we provide."

Among the changes are new technologies. Farming contractor Brian Noble is one of those who grits roads around Whitby. He's been doing it for 41 years, since he secured his driving licence at 16. His father did it before him, and now his son does too.

old. He can get the call at 4am, or 9am or even the night before. He's on call 24 hours a day, and Christmas makes no difference.

There have been times, he said, when the snow's been so bad he cannot see his bonnet. He once spent a day on the top near Whitby, not knowing his colleague was stuck in the snow just metres away. Another time he helped three children and their frantic mother after the youngsters locked themselves in their car.

In his 41 years on the roads he's seen some changes, though. Contractors like himself can no longer come to the rescue of motorists stuck in the snow, as insurance protocols stand in the way. There was a "frustrating" time, he recalls, when gritters were wound by hand, but with the advent of technology they are now super-efficient and speedy.

One of the biggest changes, he said, has been around decisions over when contractors could work. The rules are much stricter now, he said, and decisions aren't taken so lightly. But it's a "tightening up" of the system to become more efficient, he believes, rather than full-on cutbacks which could impact on service delivery.

Years ago, if we could see it was bad, we would just go out. Now we have to wait for a call. It used to be a lot of our income, now it's a tiny amount. We used



Council's gritting policy is 'shambolic', says MP

CALDERDALE

A FAILED bid to bring in a new winter gritting policy across Calderdale created "absolute chaos", the area's MP has said as he questioned the competence of the authority's leadership.

Calderdale Council had trialled a new scheme late last year, reassessing its priority routes to ensure gritting was "only carried out where it was needed most".

But it came under intense criticism after a cold spell hit in December, triggering a wave of complaints and resulting in the authority backtracking to its previous policy.

Now Calderdale MP Craig Whittaker has criticised the authority's handling of the situation as "shambolic".

"Calderdale Council's gritting policy has been in absolute chaos this winter and their handling of implementing a new policy has been shambolic," he said. "The council's handling of this situation compromised the risk of residents, damaged the reputation of the council and demonstrated a lack of competent leadership at the council."

Coun Barry Collins, Calderdale Council's cabinet member for regeneration and economic development, said: "Our priority is to keep Calderdale safe and moving throughout wintry weather and to have a fair approach across the area, which is affordable and resilient in the long-term."

The pilot had been introduced to follow national guidance, he said, in consultation with the

Authority says roads are less prone to ice because of their lower altitude

GEOGRAPHY PLAYS a part, Leeds City Council has said, arguing its roads are less prone to icing up than those at a higher elevation above sea level.

The authority, which routinely grits 43 per cent of its network on a priority basis, has maintained its budgets of £1.36m since 2015.

It has the same number of gritters as in 2010, clears the same number of routes and has steadily increased the number of grit bins it offers to residents. And its

network is flatter and lower than neighbouring regions, the authority has stressed, with roads in higher areas experiencing temperatures 1-2 degrees colder.

"Our priority is to keep Leeds moving safely, and our gritters have a 3,000km-long network of road to cover, focusing on 1,280km of primary network," a spokeswoman for the city council said.

"In Leeds we've kept our winter maintenance budget at the same

level for the past decade. However, additional resources are available if more grit is needed due to extreme or extended cold spells."

City councillor Coun Barry Anderson said: "Leeds is a challenging city in terms of its area and road network so within the resources the council allocates for gritting they do an effective job.

"Could more of a focus be put on pavements to assist local residents and particularly older people?"

ROCK SALT USED 2017 - 2018

	Tonnes	% Network	Population
Calderdale	31,000	60%	209,000
Leeds	28,345	43%	780,000
Kirklees	23,000	53%	434,000
Bradford	20,000	62%	530,000
Wakefield	7,300	40%	332,000

What has Changed since 2010

- Social media
- Twitter
- Facebook
- Public Expectation has increased
- Weather Forecast
- Was Met Office – Now Meteogroup
- Met office versus Meteogroup
- Nowcasting
- Localised Forecasts



- Gritting Fleet
- Moving to a hired fleet
- Taking 10 Econ Bulkers for the new season
- Own Fleet services too expensive
- Purchasing 6 new footway gritters from Epoke and Vale Engineering



Extreme weather update

Message from the Leader of Bradford Council

Council leader, Councillor Susan Hinchcliffe, said: "I would like to send out a huge thank you to everyone who has worked so hard this week to keep the district safe and moving, including council staff, our partners, volunteers, community groups and residents who have helped, particularly our vulnerable residents to stay safe and well.

"I'd also like to thank people for their patience where we've not been able to deliver services such as bin collections as we would have liked to. We'll get caught up as soon as we can"

Weather forecast

The Met Office has not issued any current weather warnings covering the Bradford district. But please keep an eye on the weather forecast and take extra care on the snow and ice.

Update on delayed bin collections



Thank you for bearing with us this week. Cancelling bin collections is a very difficult decision to make, but we have to consider the safety of both our staff and residents.

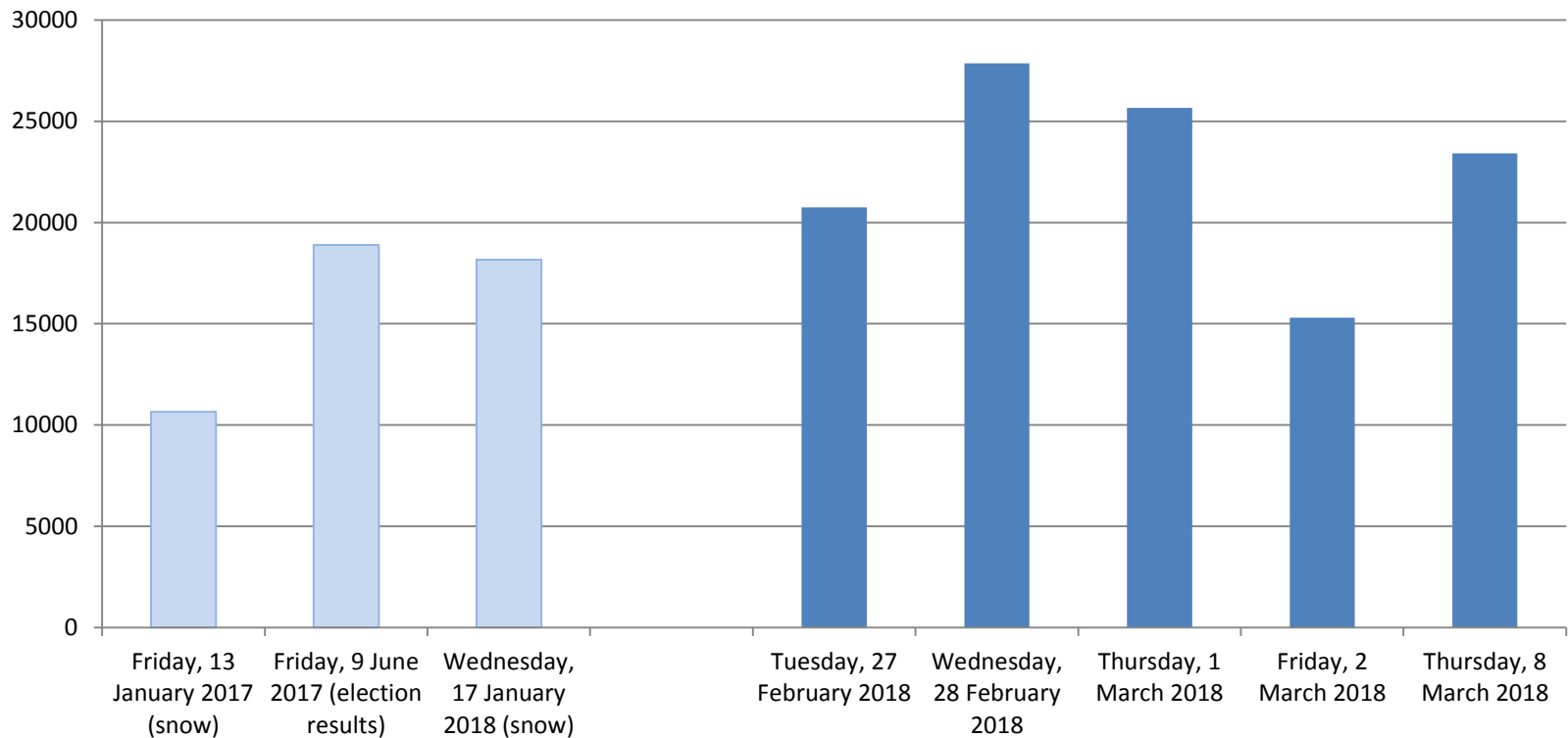
We have decided that the best way to catch up with missed collections will be to collect **all waste** (both general waste and recycling) from missed properties on the next scheduled collection day.

Success of weather bulletins


- 68% average open rate
- 14.6% click rate
- 8,300 extra bulletin views online

Website had its busiest day

Website users per day




Active on Twitter

 **Bradford Council** 28 February · 🌐

Due to the snow, bin collections have been suspended for the rest of today. We will continue to take each day as it comes. But as things stand it looks unlikely that we will be able to catch up with this week's missed bin collections until at least Monday. Sorry for any inconvenience.

If we haven't emptied your bin as scheduled, there is no need to report it to us. And if we haven't been able to get to your bin due to the weather, we will take away any bagged up extra waste by the side of your bin next time.

Read our latest severe weather bulletin and subscribe to our Stay Connected email service to get future updates emailed straight to you.

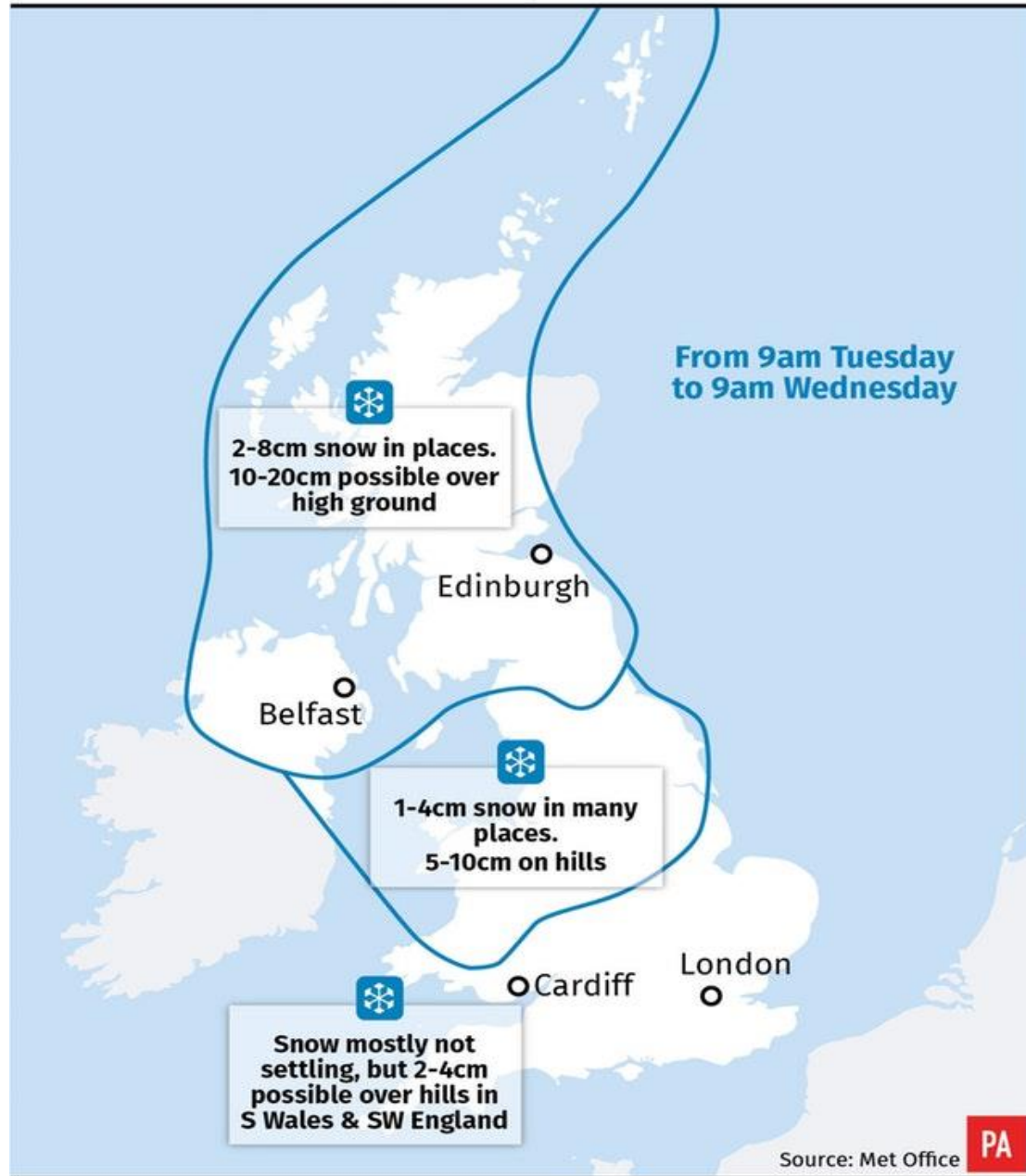


CONTENT.GOVDELIVERY.COM
Severe weather update
Please bear with us as the weather conditions are becoming increasingly...

👤 29,941 people reached [Boost Post](#)

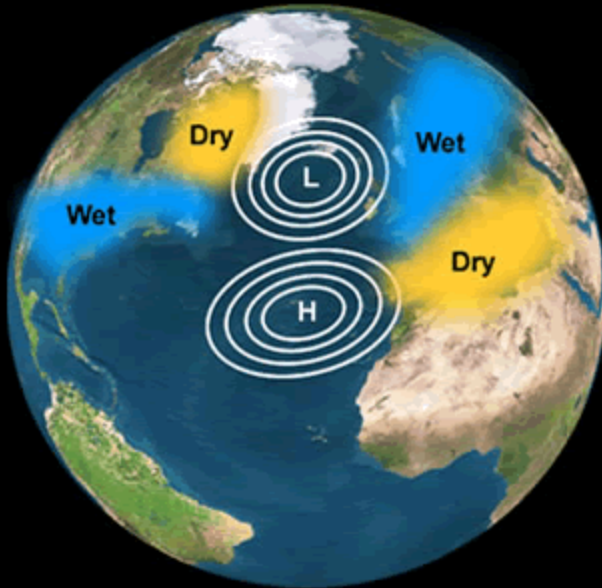
👍👎 93 66 Comments 179 Shares

Chance of snow January 16 - 17

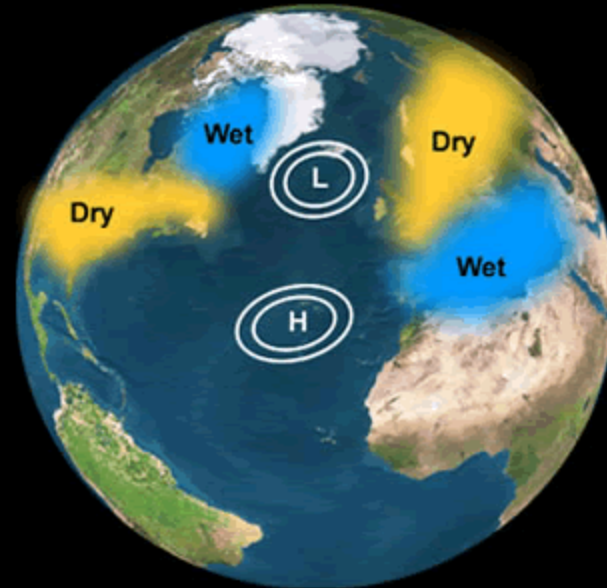


The North Atlantic Oscillation

Positive Phase



Negative Phase



Meteogroup

date time	weathertype	precip-prob. (%)	precip (mm/hour)	Snow (cm/hour)	snowfall height (m)	temperature 1,5m (°C)	temp. (°C)	road condition	dewpoint (°C)	rel. hum. (%)	cloudiness (8/8)	wind direction	windspeed (mph)	windgust (mph)
Mon 2 April 2018														
00:00	☁ overcast	20	0.0	0	300	0.9	2.2	D	0.4	96	8/8	← e	12.7	22.6
01:00	☁ overcast	25	0.0	0	300	0.7	2.0	D	0.3	97	8/8	← e	12.7	22.7
02:00	☁ light snow	40	0.1	<0.1	290	0.5	1.3	S	0.2	98	8/8	← e	13.8	23.0
03:00	☁ light snow	60	0.6	0.5	275	0.4	0.5	S	0.2	99	8/8	← e	13.8	24.2
04:00	☁ light snow	75	0.9	0.8	265	0.3	0.1	S	0.2	99	8/8	← e	15.0	25.1
05:00	☁ moderate snow	95	1.1	1.1	250	0.2	0.0	S	0.2	100	8/8	← e	16.1	25.9
06:00	☁ moderate snow	100	1.2	1.3	250	0.2	0.0	S	0.2	100	8/8	← e	16.1	26.8
07:00	☁ moderate snow	100	1.4	1.4	250	0.1	0.0	S	0.1	100	8/8	← e	17.3	27.3
08:00	☁ moderate snow	100	1.9	2.1	250	0.1	0.0	S	0.1	100	8/8	← e	17.3	27.2
09:00	☁ moderate snow	100	2.4	2.7	250	0.1	0.0	S	0.1	100	8/8	← e	17.3	26.4
10:00	☁ moderate snow	100	2.4	2.5	250	0.1	-0.1	S	0.1	100	8/8	← e	17.3	25.3
11:00	☁ moderate snow	100	2.4	2.4	250	0.2	-0.1	S	0.2	100	8/8	← e	16.1	24.9
12:00	☁ moderate snow	100	2.4	2.2	250	0.4	0.4	S	0.4	100	8/8	← e	15.0	24.9
13:00	☁ ice pellets	100	1.6	0.6	385	0.7	1.4	SI	0.7	100	8/8	← e	15.0	24.4
14:00	☁ light rain and snow	95	0.9	0.2	1060	1.1	2.2	SI	1.1	100	8/8	← e	13.8	23.1
15:00	☁ light rains	90	0.8	0	1205	1.5	2.8	R	1.4	99	8/8	← e	12.7	20.6
16:00	☁ light rains	85	0.7	0	1635	2.0	3.0	R	1.8	98	8/8	← e	11.5	18.2

Build Community Resilience

- During Spring/Summer 2017
- Met with 19 Parish/Town Councils
- Develop Community Grit Bin scheme
- They purchase the Grit Bins and Salt and pay for re-fills
- Most importantly- They manage the bins
- The Community teams survey their own areas and decide the locations after confirmation from the Highways Section



A Grit bin doing it's job



Winter 2018-2019

- Winter 2018/19 indicators
- Last winter was close to average overall but there were large variations during the three month period. Many parts of the UK saw more snow than they had for several years. Will that trend continue during the coming winter?
- Seasonal models
- At this early stage there isn't a clear picture from the long range computer models. Publicly available data from the UK Met Office GloSea model goes out to the end of December and it favours above average aggregate temperatures over the October, November and December period. The ECMWF and Meteo France seasonal models show a similar outlook.
- The American Climate Forecast System (check the latest [CFS v2 charts on TWO](#)) v2 is updated regularly but recent runs have suggested a mild winter.

A647 Queensbury, Braford

