

Welsh taxes outlook

December 2020

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1 Introduction

Background

- 1.1 The Office for Budget Responsibility (OBR) was established in 2010 to provide independent and authoritative analysis of the UK's public finances. Alongside the UK Government's Budgets and other fiscal statements, we produce forecasts for the economy and the public finances. We publish these in our *Economic and fiscal outlook (EFO)*.
- 1.2 In December 2016 the Welsh and UK Governments agreed the Welsh Government's fiscal framework. This established a mechanism for adjusting the block grant funding that the Welsh Government receives from the UK Government to reflect the devolution of tax powers. The fiscal framework also established a requirement for independent forecasting, stating that "the Welsh Government will be able to decide whether to use the OBR's forecasts or put in place alternative independent forecasting arrangements". In the event, the Welsh Government chose to use our forecasts to meet this requirement.
- 1.3 We formally took on this role in April 2019, and agreed a Memorandum of Understanding, Terms of Reference and a Financial Framework with the Welsh Government in order to guide the work and ensure that we can bring all relevant information to bear in producing our forecasts. We have jointly reviewed these arrangements to ensure they reflect any lessons learnt in our first year of forecasting. We published the first Welsh taxes outlook (WTO) alongside the Welsh Government's 2020-21 Draft Budget in December 2019.
- 1.4 In this WTO, published alongside the Welsh Government's Draft Budget, we describe our latest forecasts for three sources of revenue:
 - the Welsh rates of income tax;
 - land transaction tax; and
 - landfill disposals tax, as well as how each has changed since the previous forecast.
- 1.5 As set out in Chapter 1 of last year's WTO, we focus exclusively on these devolved taxes given their role in the fiscal framework. Some areas that are therefore beyond the scope of our role include: a full macroeconomic forecast for Wales; a forecast for Welsh Government spending; and an assessment of any policy proposals (rather than stated policies).

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¹ More detailed information on the relevant legislation and governance is available on our website.

² Written statement by the Cabinet Secretary for Finance, Provision of Welsh tax forecasts by the Office for Budget Responsibility.

³ The joint review has been published on our website alongside this Welsh taxes outlook.

Introduction

- 1.6 These forecasts are consistent with the central forecast for the UK economy and public finances presented in our November 2020 EFO. As it explained, the nature of the uncertainties around the path of the coronavirus pandemic, the public health restrictions in place across the UK to control it, the timing and effectiveness of vaccines under development, and what were at the time continuing Brexit negotiations, meant that the central forecast was best interpreted as representing an intermediate scenario rather than a median (or mean) forecast as would normally be the case.
- 1.7 The methodology and the forecasts represent the collective view of the three independent members of the OBR's Budget Responsibility Committee (BRC). We take full responsibility for the judgements that underpin them. All the charts and tables presented in this document, plus supplementary forecast material, are available in spreadsheet format on our website.

Forecast timetable

- 1.8 In order to produce the forecasts presented in this document:
 - OBR officials and members of the BRC met with Welsh Government officials on 17 July, to review and update the forecast models.
 - Analysts from the Welsh Government and HMRC produced draft Welsh tax forecasts, using determinants published in our November 2020 EFO, plus the latest available liabilities and receipts data. The BRC scrutinised these forecasts on 20 October.
 - On 15 December, we finalised our Welsh taxes forecast, incorporating the impacts of UK Government policy announcements up to and including Spending Review 2020, as well as updated outturn data published since then. Our LTT forecasts also include the effects of policies announced by the Welsh Government in its Draft Budget.

Structure of the document

- 1.9 The rest of this document is structured as follows:
 - Chapter 2: income tax on non-savings, non-dividend income from the Welsh rates.
 - Chapter 3: land transaction tax.
 - Chapter 4: landfill disposals tax.
 - Annex A: summary of the forecasts required for the block grant adjustments.

2 Welsh rates of income tax

2.1 This chapter:

- describes the Welsh rates of income tax and how they are levied on non-savings, nondividend income by tax band;
- sets out our **methodology** for forecasting UK income tax liabilities and the Welsh share of this total, before splitting this share out by tax band;
- presents our latest forecasts for the Welsh rates and for UK income tax liabilities; and
- outlines some of the risks and uncertainties around our Welsh rates forecast.

What are the 'Welsh rates of income tax'?

- 2.2 The Welsh rates of income tax came into effect in April 2019. They are administered and collected by HMRC. There are four important aspects of the design and operation of these rates in Wales that distinguish them from our UK-wide income tax forecasts:
 - First, they apply only to Welsh taxpayers, who are defined as **individuals whose main place of residence is in Wales** for the majority of the tax year. Individuals who are classified as Welsh resident are given a 'C' flag on their HMRC tax identifier.
 - Second, the Welsh rates represent only the first 10p in the pound for each tax band. Each year, the Welsh Government is required to set the tax rates for each of the basic, higher and additional tax rates, which replace a 10p reduction in the reserved UK Government element of each tax band. For 2019-20 and 2020-21 these rates were set such that overall income tax rates paid by Welsh taxpayers remained aligned with those in England and Northern Ireland. The remaining income tax raised from Welsh taxpayers i.e. 10p in the pound from basic rate payers, 30p from higher rate payers and 35p from additional rate payers is reserved to the UK Government.
 - Third, the Welsh rates are levied on non-savings, non-dividend (NSND) income.
 NSND income accounts for just over 90 per cent of UK-wide income tax liabilities, and around 95 per cent in Wales.
 - Finally, the Welsh rates are assessed on a **liabilities basis** rather than a National Accounts basis. This means that our forecast of self-assessment (SA) income tax used for the Welsh rates will differ from the cash basis used in our UK-wide SA income tax forecast, due to the lag between liabilities being incurred and tax being paid (which is also when it is recorded in the National Accounts).

Welsh rates of income tax

- 2.3 Chart 2.1 illustrates how the 2020-21 income tax liability of three specimen Welsh taxpayers would be split between the UK and Welsh Governments:¹
 - For a basic rate taxpayer earning £30,000 from only one source of employment income, their £3,500 liability would be split equally between the two administrations. This results in an effective income tax rate paid by this individual of 11.7 per cent (lower than the 20 per cent basic rate thanks to the £12,500 tax-free personal allowance).
 - For a higher rate taxpayer earning £60,000, with £55,000 coming from employment and £5,000 of dividends from company shareholdings, 41 per cent of their £10,475 liability would relate to the Welsh rates and 59 per cent would be reserved to the UK Government, including all the £975 due on their dividend income. The effective income tax rate paid by this individual is 17.5 per cent.
 - An additional rate taxpayer earning £250,000, with £200,000 from employment income and £50,000 in dividends, would have a total tax liability of £90,788. Of this, only 22 per cent would relate to the Welsh rates, while 78 per cent would go to the UK Government. At this income level a taxpayer would not receive any personal allowance. The higher share for the UK Government reflects two factors: first, all earnings above £37,500 would be taxed at the higher or additional rates where the UK Government share is much larger; and second, the taxpayer has a liability of £18,288 from their dividend income, all of which is retained by the UK Government. The effective income tax rate paid by this individual is 36.3 per cent.
- These examples illustrate the relative importance of higher earners for tax receipts, but that this is much less the case for the Welsh rates. The higher rate taxpayer earns twice as much as the basic rate taxpayer, but has an overall tax liability that is three times greater and a Welsh rates liability that is only a little over twice as large. The additional rate taxpayer earns four times as much as the higher rate taxpayer, but has a tax liability that is more than eight times greater and a Welsh rates liability that is somewhat less than five times greater. The UK Government's tax revenues are therefore more sensitive to changes in highearners' incomes than the Welsh Government's revenues are.

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 $^{^1}$ In addition to the income tax parameters reported in Table 2.2, this also reflects the personal allowance taper that withdraws £1 of personal allowance for every £2 of earnings above £100,000; the dividend allowance of £2,000; and tax rates on dividend earnings of 7.5 per cent for basic rate taxpayers, 32.5 per cent for higher rate taxpayers and 38.1 per cent for additional rate taxpayers. These specimen examples are illustrative and do not include all aspects of the income tax regime, for example the use of reliefs to lower liability.

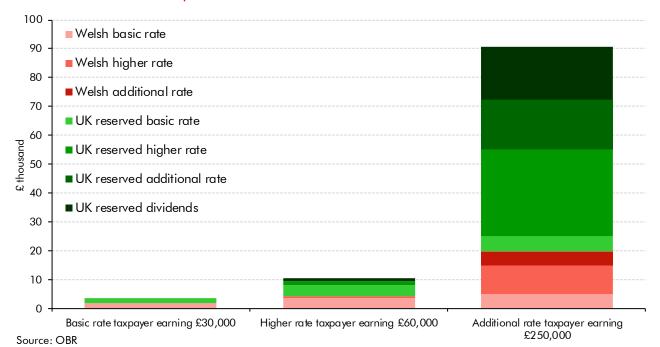


Chart 2.1: Illustrative splits between Welsh and UK Government income tax liabilities

2.5 The December 2016 fiscal framework agreement between the Welsh and UK Governments detailed how the Welsh rates would operate.² In doing so it placed a requirement on us to forecast income tax liabilities in Wales, and in England and Northern Ireland combined, split by tax band. This was not something that had previously been necessary or possible.³

Methodology

- 2.6 Our Welsh income tax forecasts are produced on a 'top-down' basis.⁴ The main steps are:
 - First, we establish the whole of the UK NSND income tax liabilities forecast.
 - Next, we calculate the share of NSND income tax liabilities subject to the Welsh rates, taking into account the relevant tax base in Wales and how this maps onto the announced tax regime. Much of our analysis first looks at the total share of income tax from Wales including amounts paid by Welsh taxpayers but reserved to the UK Government before estimating the proportion that is subject to the Welsh rates.
 - Finally, we add our estimates of the effect of **new policies** announced since our previous forecast on Welsh rates liabilities.

² HM Government and Welsh Government, The agreement between the Welsh Government and the United Kingdom on the Welsh Government's fiscal framework, December 2016.

³ For more on our approach, see Mathews, P. Working paper no. 14: Devolved income tax: forecasting by tax bands, September 2018.

⁴ For more detail on our forecast methodology see Chapter 2 of our December 2019 Welsh taxes outlook and the 'Welsh tax forecasts' page of our website.

Pre-measures UK-wide forecast

- 2.7 We use HMRC's latest published UK-wide NSND income tax liabilities outturn as the starting point for our pre-measures forecast. This relates to a tax year some distance in the past (currently 2017-18), given the lags between liabilities being incurred and tax being paid. To project liabilities between that outturn year and the year in progress, we produce an in-year estimate based on HMRC's most recent monthly tax receipts data.
- 2.8 We forecast growth in the UK income tax base in line with our wider economy forecast. The key determinants are employment and average earnings growth, which determine the amount of labour income that can be taxed, and CPI inflation, which is used to uprate tax thresholds in the absence of other stated policies.
- 2.9 We forecast income tax at the UK level according to the different methods by which HMRC collects the tax. PAYE income tax accounts for over 80 per cent of revenue, with nearly all the remainder collected via the SA system. PAYE income mainly represents the earnings of employees, while SA income includes profits from self-employment and income from dividends, land and property, and savings.

The share of UK-wide income tax liabilities subject to the Welsh rates

The overall Welsh share of UK-wide income tax liabilities

- 2.10 Armed with our forecast for UK NSND income tax liabilities, we then need to calculate the share that will be subject to the Welsh rates and apply this to the UK forecast. This is done in two steps. First, we calculate the overall Welsh share of income tax as captured by HMRC's survey of personal incomes (SPI). This is an annual survey based on a sample of around 745,000 individuals in contact with HMRC. It is published with a long lag, with the 2017-18 SPI being the latest year available. This pre-dates the Welsh rates coming into effect, so it refers to all income tax paid by Welsh taxpayers. HMRC expects to publish the 2018-19 SPI in early 2021.
- 2.11 Chart 2.2 compares the Welsh share of UK income tax liabilities with the Welsh share of the UK population. Both have been declining the Welsh share of income tax more rapidly. Perhaps the most striking feature of the chart is how much lower the Welsh share of income tax is compared with its share of the population (2.6 versus 4.7 per cent in 2017-18). On this basis, income tax liabilities per person in Wales in 2017-18 were 44 per cent lower than in the UK as a whole (£1,539 versus £2,757).

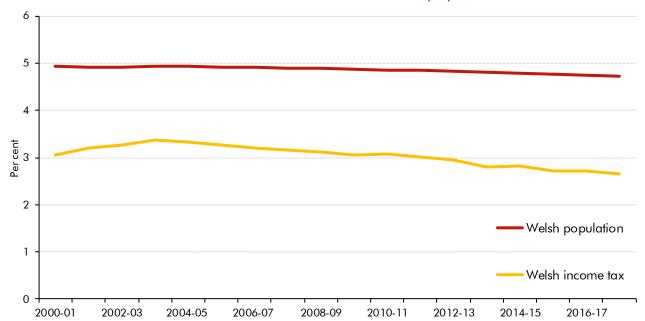


Chart 2.2: Welsh share of UK income tax liabilities and population

Note: Tax data unavailable for 2008-09 so the proportional shares are based on interpolation from the adjacent years. Source: HMRC, ONS

- 2.12 We can readily incorporate differences in expected population growth in our forecasts as the ONS publish these, but understanding why tax per person in Wales is lower than in the UK, and how it has evolved over the past, can help inform other assumptions we make about the future Welsh tax share. To investigate this, we update the analysis from last December's Welsh taxes outlook and extend it to look at changes over several years (Box 2.1).
- 2.13 In Chart 2.3 we use the latest SPI data to show how the difference in tax liabilities per person can be attributed to three underlying factors: the proportion of the population that are taxpayers; the average incomes of those taxpayers (split into different sources); and the amount of tax paid per pound of income (i.e. the effective tax rate (ETR)). Analysing the difference in this way facilitates any forecast judgements we may wish to make about how the Welsh share of income tax will evolve.

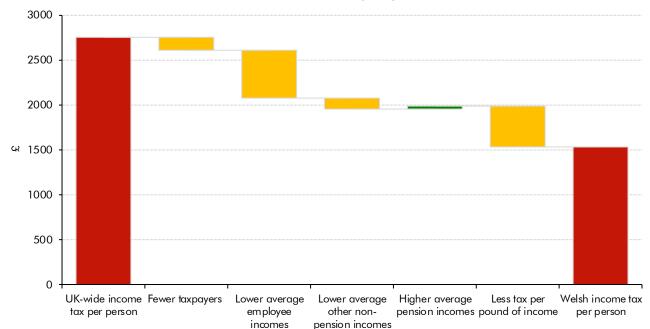


Chart 2.3: Welsh and UK income tax liabilities per person in 2017-18

Source: HMRC, OBR calculations

The proportion of the population that pay income tax

- 2.14 The likelihood of an individual paying income tax is lower in Wales than it is in the UK as a whole. According to the 2017-18 SPI, 43 per cent of the Welsh population paid income tax, compared to 48 per cent of the UK's population, accounting for around 12 per cent of the gap between Welsh and UK income tax liabilities per person.
- 2.15 There are two main factors that are likely to explain the lower proportion of taxpayers in the population in Wales. First, the employment rate in Wales is lower than in the UK as a whole. Chart 2.4 shows that the employment rate in Wales has been consistently below that in the UK in recent years.⁵ On average since 1992, the rate in Wales has been 4.2 percentage points lower than that in the UK as a whole. In 2017-18 it was 3.7 percentage points lower.

⁵ The employment rate here is the proportion of people aged 16 and over who are in paid work.

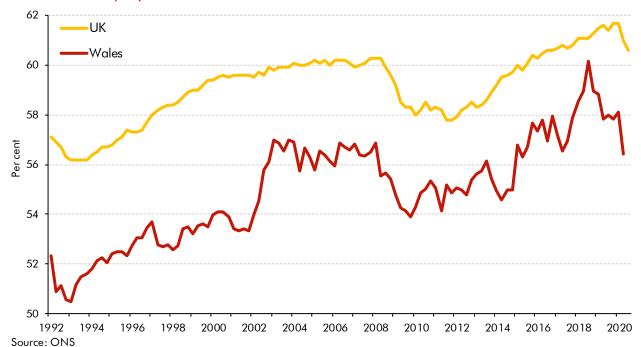


Chart 2.4: Employment rate for the UK and Wales

2.16 Second, successive rises in the tax-free personal allowance – from £6,475 in 2010-11 to £11,500 in 2017-18 – are likely to have taken proportionately more Welsh residents out of income tax altogether due to differences in the earnings distribution between Wales and the UK as a whole. This helps explain why the number of taxpayers remained flat in the UK between 2010-11 and 2017-18, but dropped by 6 per cent in Wales, despite increases in the population and employment rates in both.

Average income per taxpayer

- 2.17 The most important reason for the gap between UK and Welsh tax per person as recorded in the SPI is that Welsh taxpayers had lower average incomes. This explains around half the shortfall in tax per person in 2017-18.
- 2.18 Table 2.1 displays different sources of income averaged across all income taxpayers. It shows that the vast majority of taxpayer income in both the UK and Wales comes from employee jobs, so it is not surprising that this represents the largest source of difference in tax liabilities per taxpayer (as shown in Chart 2.3). It also shows that the SPI implied average income in Wales is 19 per cent lower than in the UK as a whole, with the difference particularly marked in self-employment and other non-pension income (including savings and dividends). By contrast, the average income from pensions is 8 per cent higher in Wales. The higher proportion of the Welsh population that are of pension age (21 per cent in 2017 versus 18 per cent in the UK as a whole), and the higher proportion of public sector workers in Wales, will both contribute to this difference.

Table 2.1: Average incomes in 2017-18 by type

	UK Wales		Differe	ence
	£ per tax	cpayer	£s	Per cent
Employee income	23,910	19,333	-4,577	-19
Self-employment and other non-pension income	5,974	3,615	-2,360	-39
Pension income	4,840	5,207	368	8
Total income	34,615	28,148	-6,467	-19

2.19 Table 2.2, which focuses just on employee income, shows that this large gap in average earnings is also reflected in other sources of labour income data. The coverage of each differs so they are not fully comparable, but while the level of average earnings reported by each is different, all show that average employee incomes in Wales are considerably lower than those for the UK as a whole.⁶

Table 2.2: Different measures of average employee earnings in 2017-18

	UK	Wales	Differer	nce
	£ per em	ployee	£s	Per cent
HMRC Survey of personal incomes	31,610	26,126	-5,484	-1 <i>7</i>
HMRC Real-time information	28,214	23,563	-4,651	-16
ONS Annual survey of hours and earnings	28,193	24,479	-3,714	-13
ONS Labour force survey	31,353	27,749	-3,603	-11

Average amounts of tax paid per pound of income

- 2.20 Even once we have accounted for differences in the number of taxpayers per person and the average income per taxpayer, income tax per person in Wales falls well short of that in the UK because less tax is paid per pound of income. This lower effective tax rate explains over a third of the difference. In part this reflects the progressive income tax structure interacting with lower average incomes for example, all else equal there will be a higher share of tax paid at the basic rate in Wales than there is in the UK as a whole. But it also reflects the shape of the earnings distribution. In the UK as a whole, relatively more income tax comes from top-end taxpayers who face the highest marginal tax rates.
- 2.21 Chart 2.5 shows that the effective income tax rate in Wales has been considerably lower than that in the UK across the past decade. It has also declined somewhat faster, by 3 percentage points between the peak in 2007-08 and 2017-18 compared with 2 percentage points in the UK as a whole.

⁶ The difference in the SPI average between Tables 2.1 and 2.2 is because the latter is only averaging across those individuals with employment income, while the former is doing so across all individuals. This explains why the average is lower in Table 2.1, since it includes some individuals, for example pensioners, with no employment income.

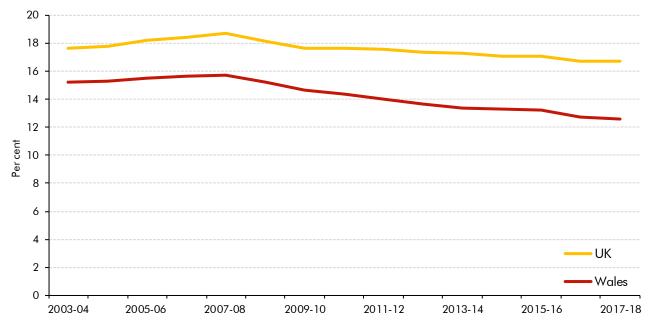


Chart 2.5: Effective income tax rates in Wales and the UK

Note: Data unavailable for 2008-09 so the proportional shares are based on interpolation from the adjacent years. Source: HMRC

The share of Welsh income tax liabilities subject to the Welsh rates

2.22 The final step in estimating the share of UK income tax liabilities that will be subject to the Welsh rates is a mechanical one. We estimate the share of Welsh NSND income that will be taxed in each tax band and then calculate the relevant fraction of it that would be covered by the first 10p – i.e. 50 per cent for income taxed at the basic rate, and so on. Chart 2.6 shows all the income tax collected from Welsh taxpayers as a proportion of total UK income tax (2.6 per cent in 2017-18) and compares it to the amount actually devolved – i.e. the share that would be subject to the Welsh rates (1.17 per cent in 2017-18).

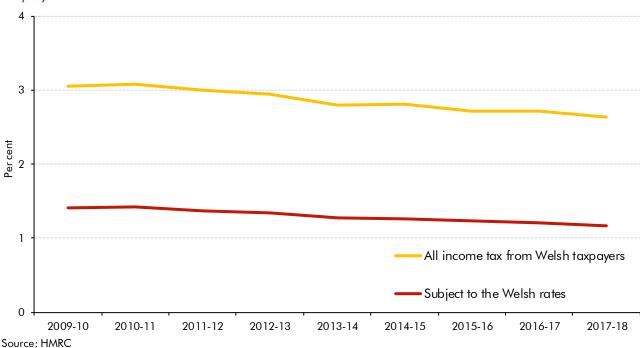


Chart 2.6: Welsh shares of total UK income tax liabilities: all tax from Welsh taxpayers versus the Welsh rates of income tax

Forecasting the share of income tax liabilities subject to the Welsh rates

- 2.23 From these starting points, we adjust our forecast for the overall Welsh share in three ways:
 - RTI earnings: we fill in the period between 2017-18 and 2019-20 using RTI data on the Welsh share of total pre-tax employee earnings (i.e. the product of employee numbers and average earnings). In the absence of timely information on other forms of NSND income, we assume that the RTI earnings data are representative of the total. Applying this approach in our Scottish income tax forecasts has suggested that it provides a reasonable guide to movements in NSND income shares.
 - Population: beyond 2019-20, we factor in relative population growth rates based on the most recent ONS principal population projections.⁷ These show the Welsh share of the UK population continuing to decline, and we would expect this to reduce the Welsh share of income tax payers.⁸ We adjust for this using an index of the Welsh share of the UK's adult population.
 - We include adjustments for gift aid and those previously announced policies that have been or will be implemented between the SPI base year (2017-18) and the end of our forecasts and that are expected to affect the Welsh share.

⁷ The ONS updated its projections for Wales on 23 June, which has been incorporated in this forecast.

⁸ See Box A.2 in Annex A of our 2018 *Fiscal sustainability report* for a discussion of the fiscal risks that might be associated with demographic trends in the constituent nations of the UK.

2.24 Finally, we calculate the share of all Welsh income tax subject to the Welsh rates. For the forecast years this is done via HMRC's 'personal tax model', which is based on outturn SPI data, and follows the same methodology as has been used to estimate the share subject to Welsh rates in outturn.

Box 2.1: Changes in the Welsh share of income tax liabilities over time

We can use HMRC's Survey of Personal Incomes data to investigate the drivers of changes in relative income tax per persons between Wales and the UK as a whole over time. This can help us to identify any trends that might be expected to persist and that should therefore be incorporated in our projections, over and above the population trends that are already captured.

Between 2011-12 and 2017-18, income tax liabilities per person increased by £300 (12.1 per cent) in the UK but by only £13 (0.8 per cent) in Wales (Chart A). Consequently, they fell from 62 per cent of the UK-wide average in 2011-12 to 56 per cent in 2017-18.

Chart A: Income tax liabilities per person in Wales and the UK over time

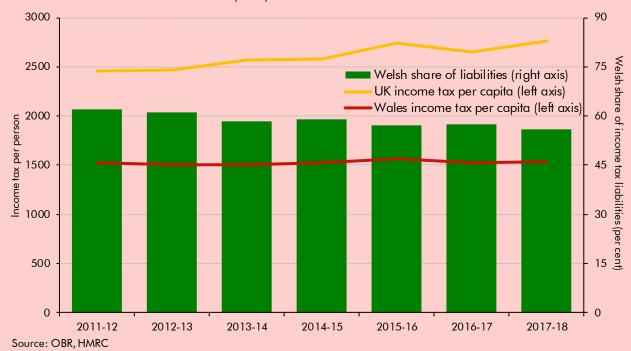
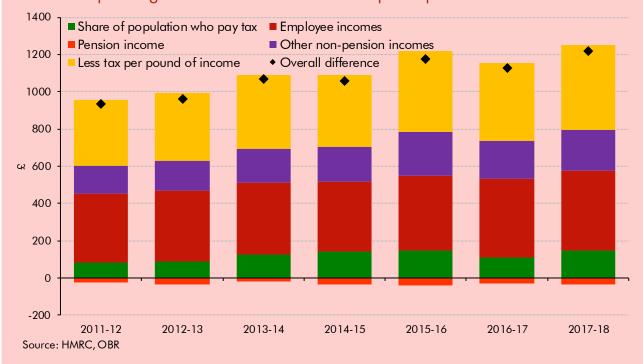


Chart 2.B breaks down the differences in income tax liabilities per person over seven years. Focusing on the £285 increase in the difference between 2011-12 and 2017-18, it shows that:

- £65 of the difference (23 per cent) relates to **the share of the population that pay tax** declining slightly faster in Wales than the UK (from 46 to 43 per cent versus 49 to 48 per cent respectively). This will reflect in part the steady rise in the tax-free personal allowance, so is not a factor that should be reflected in our forecast on current policy.
- £117 of the difference (41 per cent) relates to average incomes per taxpayer rising faster in the UK than in Wales for most of the components of average taxable income. The largest component relates to average employee incomes (£60 of the difference), but average self-employment incomes have also risen faster (£34 of the difference). It is not

- clear the extent to which these differences represent trends that will persist. 'Other incomes', which include savings and dividends that are not subject to the Welsh rates and are therefore not relevant to our Welsh income tax forecast judgements, have also risen materially faster in the UK (accounting for £35 of the difference). Pension income has grown only marginally faster in Wales than in the UK as a whole.
- The largest source of the increased difference is the effective tax rate, which accounts for £103 of the rise (36 per cent). In part this is a mechanical consequences of faster income growth and a progressive tax schedule, but it also reflects faster growth in the share of higher and additional rate taxpayers in the UK than in Wales due to changes in the income distribution beyond these mechanical effects of fiscal drag. Changes in the income distribution have been a perennial source of risk to our UK-wide income tax forecasts and this analysis suggests they will be for our Welsh forecasts too.

Chart B: Explaining the difference in income tax per capita



At this stage we have not factored in any further adjustments to our forecasts for the share of UK-wide income tax that will be subject to the Welsh rates as a result of this analysis, but we will continue to use this framework to explore the drivers of changes and to understand which might be expected to persist over the coming years.

New policy costings

2.25 Our post-measures forecast is produced by adding the effects of new policies announced since our previous forecast. The introduction of the Welsh rates and the associated terms of the fiscal framework has meant that we now need to assess the effect of new policies on the individual bands of income tax rather than simply their overall cost or yield.

2.26 Many of the general sources of uncertainty around policy costings that we routinely highlight in our forecast publications are likely to be amplified as we disaggregate costings by geography and tax band. For that reason, we believe a relatively simple approach that makes sufficient allowance for asymmetric effects across countries and bands, while not seeking spurious precision, is appropriate. In part this reflects the relatively small sums involved – relative to our UK-wide forecast – and the fact that these estimates often need to be generated during the most time-pressured phase of a UK Budget forecast process.

Latest forecast

UK income tax forecast

until the Welsh Government states otherwise.

2.27 As set out in Chapter 1, our latest forecast for UK NSND income tax is based on the economic forecast published in our November Economic and fiscal outlook (EFO). Table 2.3 shows the UK and Welsh rates and thresholds that we have used in this forecast. In line with the UK Government's stated default indexation policy assumptions, most UK tax thresholds rise in line with CPI inflation from 2021-22 onwards, but the additional rate threshold remains fixed in cash terms. The personal allowance and higher rate threshold are slightly lower than in our March forecast as the CPI inflation outturn for September 2020 was lower than expected and we have revised down our inflation forecast on average in future years.

Table 2.3: UK Government and Welsh income tax parameters

		Per cent								
	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26				
UK Government tax rates for Welsl	n taxpayers									
Basic rate	10	10	10	10	10	10				
Higher rate	30	30	30	30	30	30				
Additional rate	35	35	35	35	35	35				
Welsh rates of income tax										
Basic rate	10	10	10	10	10	10				
Higher rate	10	10	10	10	10	10				
Additional rate	10	10	10	10	10	10				
Total income tax rates										
Basic rate	20	20	20	20	20	20				
Higher rate	40	40	40	40	40	40				
Additional rate	45	45	45	45	45	45				
			£							
Tax thresholds (reserved to the UK	Government)									
Personal allowance	12,500	12,570	12,750	12,950	13,190	13,450				
Higher rate	50,000	50,270	51,050	51,850	52,790	53,850				
Additional rate	150,000	150,000	150,000	150,000	150,000	150,000				
Note: Shaded cells represent policy baselin	es assumed for forec	asting purpose	s. We assume	that Welsh rate	es will remain	unchanged				

2.28 Table 2.4 sets out the forecast for UK NSND income tax liabilities that underpins our Welsh rates forecast. The pandemic means that receipts rise only modestly this year and fall slightly next year, but grow thereafter as the economy recovers. They are £11.6 billion lower in 2020-21 compared to our March forecast, and £20 billion (10 per cent) lower on average

Welsh rates of income tax

in subsequent years. In the near term this is driven by virus-related downward revisions to employment and earnings growth, which are greater in 2021-22 when the various 2020-21 employment support measures are withdrawn. Thereafter, receipts are depressed by weaker real earnings growth and the associated loss of fiscal drag, reflecting the assumption of 3 per cent scarring to the level of real GDP by the end of the forecast period. We have also revised down UK NSND liabilities in 2019-20, which lowers the forecast in each year.

In 2020-21 the Coronavirus Job Retention Scheme (CJRS) has supported employee incomes during the pandemic. Some of the CJRS grants return directly to the Exchequer since they cover income tax liabilities. Cash receipts paid through self-assessment are supported in 2021-22 by the UK Government's deferral scheme, which allows taxpayers to defer 2020-21 payments into 2021-22, and the Self-Employed Income Support Scheme (SEISS), the tax on which will also be due in 2021-22. The deferral scheme relates to 2019-20 liabilities and its only effect on a liabilities basis comes via the assumption that some deferred tax will not actually be paid when it comes due. The SEISS boosts 2020-21 liabilities. Liabilities are also raised by the indirect effects of the latest UK Government policies, which relate to the significant further fiscal easing that has taken place since the Chancellor's Summer Economic Update (SEU), and which boost receipts via their effects on employment and earnings.

Table 2.4: Whole UK forecast of tax liabilities on non-savings, non-dividend income

					£ billion			
	Outturn				Forecast			
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
March forecast	174.0	176.6	187.7	197.1	206.7	214.9	223.8	
December forecast	172.3	174.5	176.2	178.1	185.9	194.3	204.0	213.8
Change	-1.7	-2.0	-11.5	-19.0	-20.8	-20.6	-19.8	
of which:								
UK NSND outturn alignment		-0.7	-0.7	-0.6	-0.7	-0.7	-0.8	
Pre-measures forecast ¹		-0.7	-15.5	-20.5	-22.0	-20.9	-19.8	
Direct effects of UK		-0.6	3.4	-0.1	0.0	0.0	0.1	
Government policies		-0.0	3.4	-0.1	0.0	0.0	0.1	
Indirect effects of UK		0.0	1.0	0.1	1.0	1.0	0.7	
Government policies		0.0	1.2	2.1	1.9	1.0	0.7	

Note: We have updated our UK NSND income tax forecast to correct an error in Table 2.1 of the *Devolved tax and spending* forecasts published on 25 November. This correction deducts £2.4 billion from our forecast in 2020-21 and alters the breakdown of changes in our forecast since March

Share subject to the Welsh rates

2.30 Table 2.5 shows our forecast for the share of UK NSND liabilities that will be subject to the Welsh rates, which we have revised down slightly in 2020-21 but up slightly in subsequent years, relative to our March forecast. This is largely due to the ONS's June update to its population projections for Wales, which mechanically adds an additional 36,000 taxpayers by the end of the forecast period.

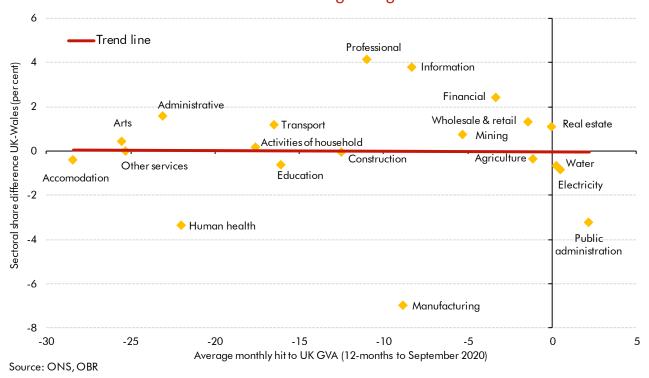
¹ Includes gift aid estimates.

2.31 We considered whether to apply a further adjustment to reflect the sectoral concentration of the coronavirus hit to UK-wide output, given differences in the sectoral composition of the Welsh economy relative to the UK as a whole. But as Chart 2.7 shows there is almost no correlation between these that would point to income tax liabilities being hit by more or less than average in Wales. In particular, the worst hit sectors such as accommodation and food services, and arts and entertainment, are of similar importance to the economies in Wales and the UK as a whole. As such we have not assumed any asymmetric effects in the Welsh shares of income tax due to the pandemic.

Table 2.5: Share of pre-measures liabilities subject to the Welsh rates

		Per cent of UK total for non-savings, non-dividend liabilities									
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26			
March forecast (pre-measures)	1.16	1.16	1.16	1.15	1.15	1.15	1.14				
December forecast	1.17	1.16	1.13	1.16	1.16	1.16	1.15	1.15			
Change	0.00	0.00	-0.03	0.01	0.01	0.01	0.01				
Memo: Population index		100.0	99.7	99.6	99.5	99.3	99.1	98.9			
Memo: RTI index (2017-18 = 100)	99.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3			
Memo: Combined index	100.0	99.3	99.0	98.9	98.8	98.6	98.4	98.2			

Chart 2.7: UK-Wales GVA sectoral shares against growth in GVA



Latest forecast for the Welsh rates of income tax

2.32 Table 2.6 sets out our latest forecast for tax raised by the Welsh rates. Receipts are £166 million (7 per cent) a year lower on average, more than explained by the weaker premeasures UK NSND forecast. This outweighs the combined impact of the slightly higher Welsh share and UK Government policy measures, including the CJRS and SEISS.

Table 2.6: Welsh rates of income tax forecast

				£ mi	Ilion			
	Estimated outturn				Forecast			
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
March forecast	2,021	2,041	2,170	2,273	2,377	2,466	2,558	
December forecast	2,010	2,026	2,045	2,064	2,152	2,247	2,356	2,463
Change	-11	-15	-125	-209	-225	-220	-203	
of which:								
Welsh share		6	7	10	14	17	24	
UK NSND outturn alignment		-8	-8	-8	-8	-8	-9	
UK NSND forecast and other changes ¹		-15	-217	-236	-253	-240	-227	
Direct effects of UK Government policies		2	78	-1	0	0	1	
Indirect effects of UK Government policies		0	14	25	22	11	9	

Note: We have updated our forecast for the Welsh rates, to correct an error in Table 2.6 of the *Devolved tax and spending forecasts* published on 25 November. This correction deducts £46 million from our forecast for 2020-21 and alters the breakdown of changes in our forecast since March.

Key uncertainties

2.33 Our forecast for income tax liabilities subject to the Welsh rates is subject to a number of uncertainties. We summarise some of the most important ones here.

Coronavirus pandemic

- 2.34 Our forecast for the Welsh rates, like our UK income tax forecast, is subject to increased uncertainty due to the coronavirus pandemic. Both are dependent on the outlook for labour income and the level of employment, which in turn reflect our assumptions about the degree to which underlying productivity and the labour market will be scarred in the medium term by the pandemic. In our November EFO we illustrated these uncertainties using upside and downside scenarios either side of our central forecast. These embodied different assumptions about the path of the virus, public health measures, the effectiveness of test, trace and isolate programmes, and the timing and effectiveness of vaccines and treatments. Each made different assumptions about the speed of recovery of GDP and the extent of medium-term economic scarring on productivity and employment.
- 2.35 Additional uncertainty is associated with the UK Government's multi-billion-pound coronavirus support policies. Under each scenario we made different assumptions about the level of support provided to households and businesses. The measures already implemented (in particular the CJRS and SEISS) has prevented a more rapid rise in unemployment, but there is considerable uncertainty over what will happen as they are withdrawn (as the range of unemployment outcomes across our different scenarios illustrated).

¹ Includes gift aid estimates.

2.36 Further uncertainties will relate to the impact of the pandemic on internal and international migration flows and thus the relative size of the Welsh population versus the UK as a whole, and how the recession and recovery play out across sectors and the income distribution.

Brexit

2.37 Another key macroeconomic risk to our forecast relates to the next phase of Brexit. As with coronavirus, Brexit could have significant implications for the determinants underpinning our income tax forecast at both the UK and Welsh levels, depending on the trading relationship with the EU from January. Our central economy forecast, on which the Welsh rates forecast is based, assumes that the UK leaves the EU with a typical FTA, generating a 4 per cent long-run loss of output relative to remaining in the EU. In our November EFO we also set out the economic and fiscal implications of the UK defaulting to trading with the EU on World Trade Organization terms when the transition period ends on 31 December. This is assumed to reduce output by a further 2 per cent in the long run, which would have additional negative impacts on average earnings and employment, depressing income tax receipts. At the time of finalising the forecast, Brexit negotiations were still ongoing.

The Survey of Personal Incomes base data

- 2.38 The representativeness of the geographical and income distributions reported in the SPI base data is particularly important at present because there are currently no outturn data on Welsh income tax liabilities. The SPI is designed to be representative at the UK level, but the sample is not stratified by geography (i.e. smaller sample sizes in each geographical area mean it is likely to be less representative at those levels than it is at the UK level). In the latest version, the confidence interval around the SPI estimate of tax liabilities at the UK level was just 0.6 per cent, but for Wales it was a more material 4.5 per cent. Sampling variation in particular due to the small number of observations of high-income taxpayers in Wales is another potential source of error, although the SPI does have a relatively large sample size overall and is designed to over-sample taxpayers with higher incomes. But uncertainties around the starting point of our Welsh rates forecast remain a significant risk.
- 2.39 This risk is illustrated by the experience with forecasting Scottish income tax liabilities using the SPI. In July 2018, HMRC published the first NSND liabilities outturn for Scotland covering the 2016-17 tax year. The estimate was £700 million (6.1 per cent) lower than our most recent forecast at the time from March 2018. Using the postcodes reported in the 2015-16 SPI led us to over-estimate the Scottish share by 0.40 percentage points (6.68 per cent outturn versus a forecast of 7.08 per cent). Since then we have been able to calibrate our forecast to the outturn share, which meant our March 2019 forecast for Scotland's share of 2017-18 liabilities was out by just 0.03 percentage points. We have no reason to believe that Welsh outturn will differ so greatly from the SPI-derived share we have used in this forecast, but until we have outturn estimates based on actual 'C' flag administrative data this starting point will remain a risk to the forecast.

Relative performance of the Welsh and UK income tax bases

- As described in this chapter we use our UK-level macroeconomic forecasts with only a few adjustments to forecast Welsh income tax liabilities. This reflects our assumption that future disparities between growth in any of the variables that determine the tax base in Wales and the UK as a whole are as likely to go in one direction as the other, so our central assumption is that they move in parallel. As the analysis of tax liabilities per person in this chapter shows, there are large differences between Wales and the UK as a whole at present that have been getting steadily, if only modestly, larger over time. Further divergence or a period of convergence would represent downside or upside risks to our forecast.
- 2.41 The key adjustment we make at present relates to different rates of population growth, but we do not make any further allowance for differences in the rate at which the population is ageing in Wales and the UK as a whole. We therefore capture the effect of changing numbers of taxpayers, but not any age-related changes in the distribution of taxpayers and average incomes across the different age groups. We will consider this further in the future.

3 Land transaction tax

Introduction

3.1 This chapter:

- describes the introduction of land transaction tax (LTT) in Wales and compares it to the stamp duty land tax (SDLT) regime in operation in England and Northern Ireland;
- outlines our **methodology for forecasting LTT** and explores trends in **property prices** and transactions in Wales that drive growth in the LTT tax base;
- presents our latest forecasts and explains how they have changed since the forecasts published in our March 2020 Economic and fiscal outlook; and
- discusses some of the key **risks and uncertainties** around these forecasts.

What is 'land transaction tax'?

- 3.2 Land transaction tax (LTT) replaced stamp duty land tax (SDLT) in Wales from April 2018.¹ It is an *ad valorem* transaction tax levied on the transfer of a property. It is paid by the purchaser, but its incidence is on the house price so the burden actually falls on the seller.²
- 3.3 LTT retained many of the same features as SDLT including different treatment for residential and commercial properties, a tax-free threshold, as well as a 3 per cent surcharge on additional residential property purchases. But there are also some notable differences. For example, LTT has different rates and thresholds; it does not include a relief for first-time buyers; and it is collected by the Welsh Revenue Authority (WRA) rather than by HMRC.
- 3.4 Both LTT and SDLT are currently subject to temporary 'holidays' that reduce the amount of tax paid on residential transactions. In Wales, the threshold below which no tax is paid has been raised from £180,000 to £250,000 with effect from 27 July 2020 to 31 March 2021. This does not apply to additional residential property purchases, which are liable to the higher rates. In England and Northern Ireland, the tax-free SDLT threshold has been raised from £125,000 to £500,000 with effect from 8 July to 31 March.³

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¹ Both taxes are broadly based on the historical tax 'stamp duty', one of the oldest forms of taxation having been originally introduced on a range of products in 1694. The original duty required legal documents associated with a transaction to be authenticated by means of a physical 'stamp'. Stamp duty was replaced with SDLT in December 2003.

² Best, M. and Kleven, H., Housing market responses to transaction taxes: Evidence from notches and stimulus in the U.K., June 2017.

³ This also applies to transactions subject to the additional rates, unlike the LTT threshold change.

3.5 Under the temporary holidays the effective tax rates for residential property transactions – i.e. the pounds of tax paid per pound of house price – are higher in Wales than in England and Northern Ireland.⁴

Forecast methodology

- 3.6 The methodology for generating our LTT forecasts involves three steps.⁵ These are:
 - First, we produce an in-year estimate using monthly receipts outturn data from the WRA as well as relevant information about the performance of the property market and economy. Our normal approach is to gross up the year-to-date receipts by assuming the remainder of the year follows a similar path to previous years. The economic impact of the coronavirus pandemic has led us to adopt a different approach for this forecast, plotting a quarterly path for receipts that is informed by our near-term forecasts for house prices and property transactions.
 - Next, we generate our pre-measures forecast, using four separate 'price bins' models

 one each for residential main rates, the additional properties surcharge, commercial sales and commercial leases. The models aggregate transactions within relatively small 'bins', calculating the tax due on the average price in the bin, and then projecting that forward in line with our forecasts for prices and transactions.⁶
 - Finally, we add estimates of the effects of any **new policy measures** to produce our post-measures forecasts.

Property market determinants of the forecast

3.7 By far the most important driver of our forecast for the growth in LTT receipts over the medium term is our forecast for growth in the value of property transactions, which in turn reflects assumptions about prospects for property prices and the volume of transactions. Our LTT forecast is predicated on the assumption that Welsh property prices and transactions will move in line with our UK-wide forecasts of those variables over the medium term. In other words, there is neither convergence nor divergence between the total value of property transactions in Wales and those at the UK-wide level.

Recent developments and prospects

3.8 The lockdowns imposed by the UK and devolved Governments largely shut down the UK property market for a period from late March onwards as estate agents were required to

⁴ Under the regimes SDLT and LTT will revert to from 1 April 2021, lower effective tax rates apply to residential transactions for under £400,000 in Wales.

⁵ For more detail on our forecast methodology see Chapter 3 of our December 2019 Welsh taxes outlook and the 'Welsh taxes outlook' page of our website.

⁶ These models are operated on our behalf by analysts in the Welsh Government, but the underlying forecast assumptions and judgements are those of the OBR's Budget Responsibility Committee.

⁷ The methodology for forecasting these is set out in the 'In-depth' pages of our website.

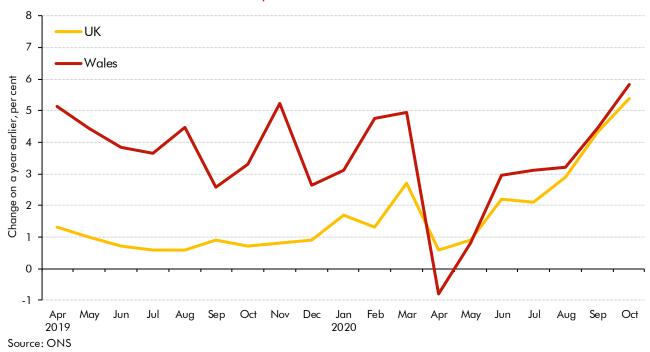
⁸ This assumption has been tested over several property cycles and is regularly monitored. For more detail see our December 2019 WTO and the 'Welsh taxes outlook' page of our website.

close offices and were prevented from listing new properties, with only online viewings permitted. The Welsh Government started to lift those restrictions on 22 June, around six weeks after they were lifted in England. The outlook for the remainder of 2020-21 and beyond remains closely linked to the levels of current and future restrictions that may be imposed by Governments. Activity in the Welsh property market was restricted again during the three-week lockdown imposed from 23 October. We have assumed that lost activity during this period will be made up over the remainder of the fiscal year.

Property prices

3.9 Chart 3.1 shows that UK-wide house price inflation dipped in April, while prices fell slightly in Wales. But prices have picked up again since then, partly due to the release of pent-up demand and the introduction of temporary tax holidays. House prices in Wales increased faster than those across the UK as a whole during 2019-20, but have risen at a similar rate so far in 2020-21. It is, however, important to note that there will be greater uncertainty around house price data this year due to the sharp fall in transactions during lockdown.

Chart 3.1: Recent trends in house prices



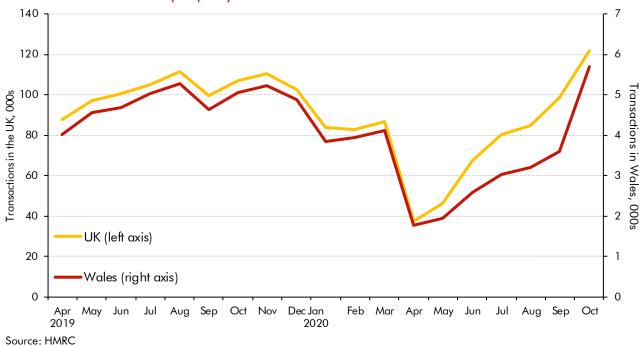
3.10 Commercial property prices in Wales fell by 11 per cent on a year earlier in the first half of 2020-21. Prices fell slightly more across the UK as a whole over the same period.

Property transactions

3.11 Chart 3.2 shows how residential property transactions in Wales and the UK as a whole were affected by the lockdowns introduced in late March. Welsh transactions in April were 57 per cent lower than in March, and 56 per cent lower than in April 2019. Transactions have recovered since, though initially at a slower pace than the UK as a whole, which is likely to reflect the later easing of public health restrictions. By September both were back to 2019

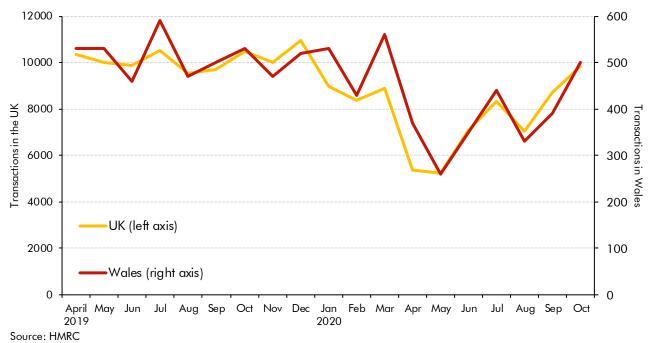
levels. Total transactions in Wales in the first half of 2020-21 were 43 per cent lower than the same period a year earlier, compared to 31 per cent lower for the UK as a whole.

Chart 3.2: Residential property transactions



3.12 Chart 3.3 shows that commercial property transactions have followed a similar path to residential transactions. A sharp drop in April has been followed by a return to relatively normal levels by September. The recovery path in Wales has largely mirrored that in the UK as a whole. Welsh commercial property transactions during the first half of 2020-21 were 31 per cent lower than in 2019-20, compared to 30 per cent for the UK as a whole.

Chart 3.3: Commercial property transactions



Welsh taxes outlook

Forecasts for property market determinants

- 3.13 Table 3.1 sets out our forecasts of the main determinants of LTT receipts. These are largely taken from our UK-wide forecast as described in November's Economic and fiscal outlook (EFO), with two exceptions. First, for our residential transactions forecast, we remove the impact of forestalling at the end of the SDLT holiday, which is specific to receipts in England and Northern Ireland. Second, we have added a 0.8 percentage point uplift to our forecast for house prices this year, based on evidence from several different house price indices.
- 3.14 Both prices and transactions in 2020-21 have been revised down significantly relative to our March EFO forecast. We still expect house prices to rise slightly in 2020-21, but they fall next year as unemployment rises. There is continued growth thereafter though at a slower pace than our March forecast. We expect the significant fall in residential transactions this year to be followed by a sharp rebound in 2021-22, followed by modest growth thereafter.
- 3.15 Commercial transactions and prices have fallen sharply this year, with the latter remaining subdued next year. Over the longer term we assume the commercial property market will be relatively more adversely affected by structural changes due to the pandemic.

Table 3.1: Forecasts for Welsh property prices and transactions

	Percentage change on previous year									
	Outturn			Fore	cast					
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26			
Residental property prices	0.0	3.2	-5.6	0.3	6.5	6.8	5.5			
Residental property transactions	-0.9	-12.1	32.1	-1.1	0.5	0.8	0.8			
Commercial property prices	3.3	-9.2	-0.8	1.7	2.0	2.0	2.0			
Commercial property transactions	-0.8	-22.5	9.4	5.6	5.0	5.0	4.6			
			Change s	ince March	forecast					
Residental property prices		-1.5	-9.8	-4.8	1.4	-1.9				
Residental property transactions		-17.7	30.5	-4.1	-1.6	-1.3				
Commercial property prices		-7.8	-0.8	1.0	-0.1	-0.1				
Commercial property transactions		-20.8	7.7	4.2	3.8	3.6				

Trends in LTT receipts

Residential property receipts

3.16 Chart 3.4 shows that residential LTT receipts (net of refunds) so far this year are well below those during the same period in the past two years. In the seven months to October, residential LTT receipts totalled £60 million, 37 per cent lower than at the same point in 2019-20. Receipts from the main rates are down by 40 per cent while they are down by 31 per cent for the additional rates. We expect some recovery in receipts in the second half of the year, but for them to remain down 23 per cent on 2019-20 across the whole year.

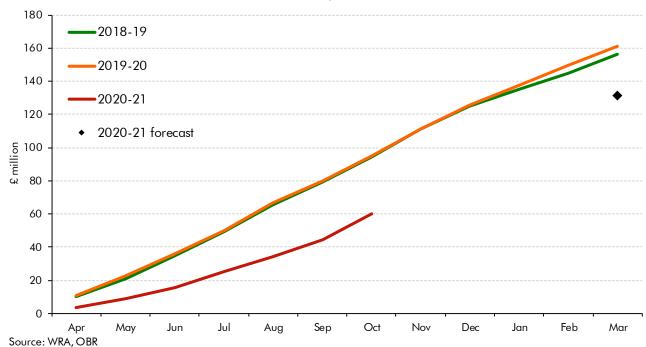
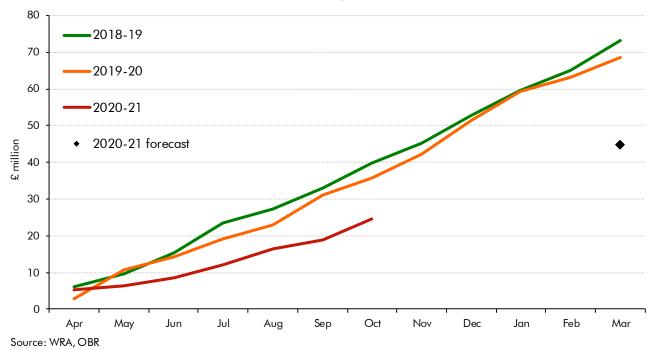


Chart 3.4: Cumulative residential LTT receipts

Commercial property receipts

3.17 Chart 3.5 shows a similar story for commercial LTT receipts. Year-to-date receipts are £25 million, down 31 per cent on the same point last year. Again, we expect stronger receipts in the second half of the year, but for them to remain down 35 per cent on 2019-20 across the whole year.





Box 3.1: Evaluating our forecasts for LTT receipts in 2019-20

When evaluating our forecasts, we typically look at how those for the next fiscal year compared to the eventual outturn. As our first WTO was published last December, we can only evaluate our in-year forecasts for LTT in 2019-20. In our next WTO we will evaluate our forecasts for 2020-21; our first set of forecasts to be used in the Welsh Government's Budget process. We can expect these to be subject to larger than normal errors due to the impact of the pandemic.

Table 3.A breaks down the differences between our forecasts for LTT receipts in 2019-20 and the outturn. These are split into three sources: determinants (which shows the forecast difference that relates to differences between our forecast for average property prices and the latest outturn), subsequent policy announcements not captured by our December 2019 forecast; and the residual fiscal forecasting difference. It shows that:

- As regards our forecast for the residential main rates, receipts exceeded our forecast by just £2 million (1.7 per cent). That is more than explained by fiscal modelling differences (which are likely to relate to the composition of transactions). This is partly offset by slightly slower than expected house price inflation. (Our December 2019 forecast was for Welsh house prices to rise 3.2 percentage points faster than UK-wide house prices, reflecting the greater momentum in Welsh house price inflation at the time. This proved slightly too optimistic, but more accurate than if we had simply used our UK forecast.)
- As regards the residential additional rates, there is little difference between forecast and outturn, reflecting the largely offsetting effects of modelling and house price differences (including the 3.2 percentage point house price uplift).
- As regards commercial LTT, the £30 million difference reflects the transfer of the Core Valley Lines (CVL) from Network Rail to Transport for Wales, which was finalised after our December forecast had been published. It was reflected in the update to our WTO forecasts that was published on 25 February 2020 ahead of the Welsh Government's final Budget.

Table A: December 2019 LTT forecasts versus outturn

		£ million										
				of which:								
	December	Outturn	Difference	Fiscal		Subsequent						
	2019 forecast	Colloi II		forecasting	Determinants	policy: CVL						
				difference		transfer						
Total LTT	226	258	32	4	0	28						
Residential main rates	100	102	2	5	-3	0						
Residential additional rates	59	60	0	-2	2	0						
Commercial	66	97	30	1	1	28						

Latest LTT forecasts

3.18 Table 3.2 presents our latest forecast for total LTT receipts and the changes in each component since March. Total LTT receipts are lower in each year of the forecast, by an average of £76 million (24 per cent). Around 80 per cent of this is from the drop in receipts

from the residential main rates, which have been revised down by an average of £61 million (36 per cent) a year.

Table 3.2: LTT forecast

				£ million					
	Outturn	utturn Forecast							
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26		
Total LTT									
March forecast	266	254	288	319	349	379			
December forecast	260	176	231	236	266	300	335		
Change	-6	-78	-57	-84	-83	-78			
Residential (excluding additional prop	erties)								
March forecast	103	124	151	175	197	220			
December forecast	102	71	104	107	127	152	176		
Change	-1	-53	-47	-68	-70	-68			
Additional properties									
March forecast	59	62	68	74	78	83			
December forecast	60	61	80	77	83	89	95		
Change	1	-2	12	3	5	7			
Commercial									
March forecast	104	68	69	70	73	76			
December forecast	99	45	48	51	55	60	64		
Change	-5	-23	-21	-19	-18	-17			

Residential LTT forecasts

3.19 Tables 3.3 and 3.4 set out our latest forecasts for the residential components of LTT relative to March. The fall in residential receipts this year is mostly due to lower transactions and the LTT holiday. For the remaining years of the forecast it is driven by weaker house price inflation. This reduces the effects of fiscal drag, meaning fewer transactions move into higher tax bands, lowering the effective tax rate. It also means a greater share of residential main rates transactions remain below the tax-free threshold and thus not liable to LTT. Updating the base year data in the model to 2019-20 has very little impact.

Raising the LTT threshold to £250,000 until 31 March 2021

- 3.20 The Welsh Government has raised the lower threshold for main rates residential property transactions from £180,000 to £250,000, with effect from 27 July 2020 until 31 March 2021. This means that transactions between £180,000 and £250,000 will temporarily pay no LTT, while all those above it will save £2,450. Around 10,000 transactions are forecast to benefit from the tax cut, at a cost of £19 million. The additional rates charged on second homes and buy-to-let properties have not been reduced, so all the tax paid by such transactions on the portion of the property valued between £180,000 and £250,000 will be recorded as revenue from the additional rates during the period of the holiday.
- 3.21 We expect the policy to generate forestalling the bringing forward of transactions to avoid the higher LTT liability when it is reinstated on 1 April 2021. Based on previous episodes at

the UK level, we assume that around 1,000 transactions will be brought forward, increasing revenues in 2020-21 by around £3 million and lowering them by £4 million in 2021-22.

Raising the higher rates on additional property purchases

3.22 The Welsh Government has also raised the higher rates on additional properties by a percentage point, to 4 per cent, effective from 22 December. This is assumed to reduce transactions and to lower house prices slightly. Our forecast assumes that around 4,000 transactions will be affected in the remainder of 2020-21 and around 16,000 a year thereafter, raising £16 million a year on average from 2021-22 onwards.

Table 3.3: Residential main rates LTT forecast

	£ million							
	Outturn	Forecast						
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	
March forecast	103	124	151	175	197	220		
December forecast	102	71	104	107	127	152	176	
Change		-53	-47	-68	-70	-68		
of which:								
Modelling changes		0	-2	-1	-1	-1		
Price changes		-8	-48	-69	-70	-67		
Transaction changes		-21	12	7	5	2		
Raising the tax-free threshold		-25	-4	0	0	0		
Increasing the higher rates		-1	-2	-2	-2	-2		

Table 3.4: Residential additional rates LTT forecast

	£ million						
	Outturn Forecast						
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
March forecast	59	62	68	74	78	83	
December forecast	60	61	80	77	83	89	95
Change		-2	12	3	5	7	
of which:							
Modelling changes		2	0	1	1	1	
Price changes		-2	-11	-15	-13	-11	
Transaction changes		-12	8	3	2	1	
Raising the tax-free threshold		6	-1	0	0	0	
Increasing the higher rates		5	16	15	15	16	

⁹ The price and transactions elasticities used to estimate the behavioural response are described in our SDLT elasticities Supplementary forecast information release, October 2017.

Latest commercial LTT forecast

3.23 Table 3.5 shows that our forecast for commercial LTT receipts is lower for each year of the forecast compared to March. Lower transactions and prices are the main reasons, though updating the base year data in the forecast model and the fact that in-year receipts have been even weaker than prices and transactions would suggest also contribute negatively.

Raising the thresholds for commercial LTT

3.24 The Welsh Government has raised the tax-free threshold for commercial transactions from £150,000 to £225,000, effective from 22 December. It has also raised the tax-free threshold for transactions that have both a premium and lease rent net present value liable for tax. This increases the annual rent threshold for incurring a liability from £9,000 to £13,500. These measures are expected to cost around £0.3 million in 2020-21 and £1.3 million a year on average thereafter.

Table 3.5: Commercial LTT forecast

	£ million						
	Outturn	urn Forecast					
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
March forecast	104	68	69	70	73	76	
December forecast	99	45	48	51	55	60	64
Change		-23	-21	-19	-18	-17	
of which:							
Modelling changes		0	-3	-2	-1	-1	
Price changes		-16	-66	-91	-90	-86	
Transaction changes		-46	11	3	1	0	
In-year data		-2	-3	-3	-3	-3	
Raising the thresholds		0	-1	-1	-1	-1	

Risks and uncertainties

3.25 In this section we summarise some key uncertainties around our central LTT forecast.

Coronavirus pandemic

- 3.26 The outlook for property markets, like the wider economy, is clouded by uncertainties related to the path of the coronavirus pandemic over the coming months, and its short- and medium-term implications for social and economic life. In our November EFO we illustrated these uncertainties by presenting upside and downside scenarios either side of our central forecast that embodied different assumptions about the path of the virus, public health measures, the effectiveness of test, trace and isolate activities, and the timing and effectiveness of vaccines and treatments. The scenarios spanned a wide range of short- and medium-term paths for real GDP that would have implications for property markets.
- 3.27 The key risks to the residential property market are likely to stem from the outlook for household incomes. The commercial property market could also be sensitive to any

persistent changes in the composition of economic activity, such as greater prevalence of working from home or the accelerated shift of high street retail sales online.

Conventional forecast risks

- 3.28 The significant uncertainties associated with the pandemic have added to rather than replaced the perennial risks associated with forecasting property taxes. We discussed these in detail in last year's report, but in summary:
 - Mapping property market determinants to the true tax base: it is challenging to map from the whole property market to only those transactions that will be subject to LTT. Only a very small minority of all potential taxpayers will pay LTT in any given year, which differs from most other taxable activities, where taxpayers incur a liability year after year. There are around 1.4 million dwellings in Wales, but there were only around 55,000 residential transactions in 2019-20 the base year in our LTT forecasting model. Any changes in the composition of transactions relative to the simulated tax base will generate forecast errors.
 - Tax base concentration: LTT has a progressive tax schedule: a £200,000 residential transaction will pay £700 in tax once the temporary holiday has ended, whereas a transaction for ten times this price (£2,000,000) pays over two hundred times more tax (£171,200). In 2019-20 around a third of residential revenue came from the top 4 per cent of transactions. Our LTT forecast will also be sensitive to high-value commercial property transactions in Cardiff. In 2019-20, 320 commercial transactions (5 per cent of the total) accounted for nearly two-thirds of commercial LTT receipts.
 - Frequent policy changes: The property transaction tax regime has been subject to large policy changes in recent years. These changes, especially when they are preannounced, add uncertainty to our forecasts in respect of how taxpayers will respond to the new tax incentives they face. This applies to the temporary raising of both the LTT and SDLT thresholds during 2020-21.
 - Forestalling: Where rises in property taxes are pre-announced it allows for purchases to be brought forward in order to be taxed at the existing lower rate. It can be difficult to gauge the strength of this response and therefore the quantity of transactions that will be brought forward from future periods. Our latest forecast assumes that forestalling ahead of the LTT holiday ending in April 2021 will be commensurate with the evidence from past episodes, but this is particularly uncertain given the virus-related unknowns clouding the outlook for household incomes and property markets.

Land transaction tax

4 Landfill disposals tax

Introduction

- 4.1 This chapter:
 - describes the landfill disposals tax levied in Wales;
 - sets out our **methodology** for forecasting receipts; and
 - presents our latest forecast and some key uncertainties around it.

What is the 'landfill disposals tax'?

- 4.2 Landfill tax was introduced in the UK in 1996. It applies to all waste disposed of by way of landfill at a licensed site unless the waste is specifically exempt. In Wales it was replaced with landfill disposals tax (LDT) from April 2018. The Welsh Government has said that LDT is designed to "promote positive environmental behaviours through greater prevention of waste to landfill sites and to encourage the reuse, recycling and recovery of waste". 1
- 4.3 LDT is charged per tonne of waste disposed of at a landfill site. It is payable by landfill site operators, who are expected to pass the costs onto those making the disposals. A small number of disposals are exempt from LDT while some reliefs and discounts are also available. The tax is collected by the Welsh Revenue Authority (WRA). The Welsh Government has thus far set rates that match those in the rest of the UK.
- 4.4 Our forecast is driven by the amount of waste sent to landfill and the effective tax rate that will be paid. The latter largely depends on policy decisions on rates, but also on the composition of waste sent to landfill as there are three different rates a 'standard rate', a 'lower rate' and an 'unauthorised disposals rate'. In 2019-20 revenue from standard rate waste accounted for 97 per cent of total revenue from LDT.

Forecast methodology

4.5 The LDT forecast uses a bottom-up model operated on our behalf by analysts in the Welsh Government. The assumptions and judgements that are fed into it are those of the Budget Responsibility Committee. The forecast methodology is straightforward – the main steps are:

¹ Welsh Government, Landfill Disposals Tax (Wales) Bill 2016: Impact Assessments.

Landfill disposals tax

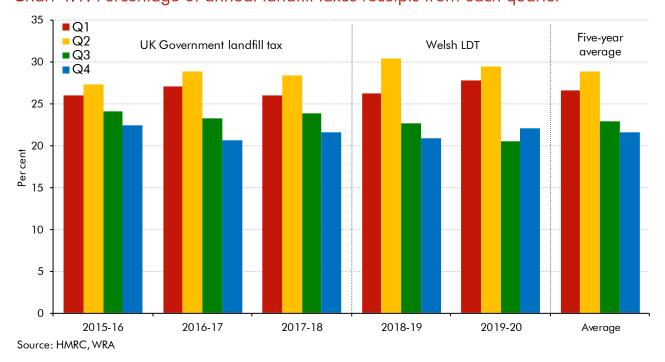
- establishing an in-year estimate drawing on the latest administrative data (and other relevant sources) to estimate the level of receipts in the current year in progress;
- producing a pre-measures forecast by using the LDT forecast model to multiply the amount of liable waste sent to landfill (the tax base) by the relevant duty rate; and
- generating a **post-measures forecast** by adding the effects of any new policy measures.

We discuss each step in turn.

Establishing an in-year estimate

- 4.6 Most landfill site operators have a calendar year annual accounting period, so most LDT returns are received by the WRA at the end of April, July, October and January (returns must be sent by the last working day of the month following the end of the accounting period). The WRA publishes LDT receipts outturn data on a quarterly basis.²
- 4.7 Our in-year judgement is based on outturn data from the first two quarters of 2020-21. Chart 4.1 suggests there is some seasonality in the amount of waste that is disposed of at landfill sites each quarter. It shows the percentage of annual tax receipts in each quarter of the fiscal year, for the UK Government's landfill tax from 2015-16 to 2017-18 and then for LDT from 2018-19 onwards. In both 2018-19 and 2019-20 each quarter contributed at least a fifth of full-year LDT receipts, though with a slightly higher share in the first half of the year, as was the case with landfill tax in the preceding years.

Chart 4.1: Percentage of annual landfill taxes receipts from each quarter



² A smaller number of site operators use different accounting periods, which means that monthly data releases could be disclosive. We do not draw on the WRA's unpublished monthly administrative data when preparing our in-year estimates.

4.8 The sharp drop in receipts in the early part of 2020-21 (Chart 4.3 below) has necessitated a departure from our standard approach to producing an in-year estimate. Since receipts early in the year are unlikely to be representative of those later in the year, we have lowered our forecasts for the remaining quarters in line with revisions to our UK-wide consumer spending forecast between our March and November Economic and fiscal outlooks.

The pre-measures forecast

Tax base: the volume of waste sent to landfill

- 4.9 The volume of waste sent to landfill is estimated by calibrating data from Natural Resources Wales (NRW) with outturn data from the WRA. Our model sorts these data by 'European waste catalogue' code into tonnages liable to the standard and lower rates of LDT. This allows us to remove waste that is exempt from LDT. The LDT-liable tonnages are then projected forward using information on local authority waste management plans, waste infrastructure developments, and an assumption about the future path of other waste.
- 4.10 There are several alternatives to sending waste to landfill sites, including:
 - Recycling and incineration, the levels of which depend on the capacity of available
 Welsh infrastructure. Given the much smaller tax base in Wales, changes in alternative
 waste treatment infrastructure can lead to proportionally larger effects on LDT receipts
 than an equivalent change in England would have on UK landfill tax receipts.
 - Exporting waste, which can be cheaper than sending it to landfill. There are currently two external factors that may limit the volume of exports over the medium term the UK's future trading relationship with the EU and the Chinese Government's ban on the imports of solid waste. Each could increase the amount of waste sent to landfill (including waste generated in England) and represent an upside risk to LDT receipts. If these or other factors have already affected LDT receipts then this would be captured implicitly in our in-year estimate rather than via an explicit forecast adjustment.
- 4.11 We do not explicitly model the use of these alternatives. Instead, we assume they provide sufficient headroom to accommodate future growth in waste arising without affecting the volume of landfilled waste. The granular level of information available to us on Welsh infrastructure means that we can factor in expected changes when we need to.
- 4.12 The volume of waste sent to landfill in the UK has been trending down for over two decades, and Chart 4.2 shows a similar pattern in Wales. The volume of waste sent to landfill has fallen by around two-thirds between 2006-07 (3.8 million tonnes) and 2018-19 (1.4 million tonnes). Chart 4.2 also shows that waste sent to landfill per unit of gross value added (GVA a measure of economic activity) has followed a similar downward path.

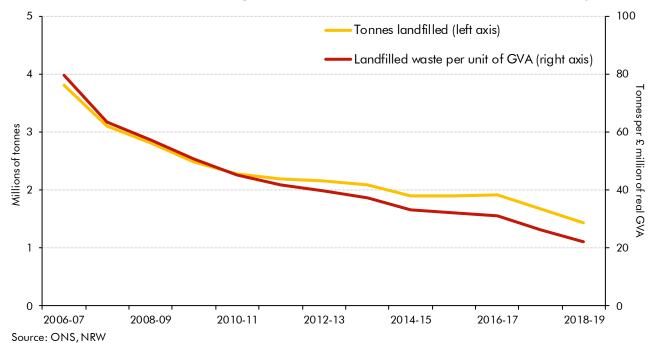


Chart 4.2: Landfill waste tonnage in Wales relative to Welsh economic activity

The effective rate of landfill disposals tax paid

- 4.13 There are two main rates for LDT a 'standard' rate and a 'lower' rate. The lower rate applies to waste that is 'inert' i.e. less hazardous or less polluting materials such as bricks, concrete and sand. The standard rate applies to everything else that is neither exempt (see below) or unauthorised.³ In this Budget the Welsh Government has kept rates aligned with those in the UK for 2021-22, setting a standard rate of £96.70 per tonne of waste and a lower rate of £3.10 per tonne.⁴ Our forecast assumes that both rates rise in line with RPI inflation in future years (based on the UK Government's default indexation assumption). The Welsh Government has not set out its policy for future years and would be free to set other rates if it so wished.
- 4.14 As with UK landfill tax, LDT legislation allows for both exemptions and reliefs. Where a disposal is exempt, for example within a pet cemetery, there is no tax liability and the site operator does not need to record it on a tax return. Where a disposal is eligible for a relief, such as when it contains material removed from water by dredging, it does need to be accounted for by the site operator, but the relief can be claimed via the tax return. The effective rate paid depends not just on statutory rates and exemptions, but also the composition of waste disposals. In 2019-20 the effective rate paid was £38.46 per tonne of waste sent to landfill.

³ The Welsh Government has also introduced a third 'unauthorised disposals' rate that applies to all disposals that are made outside of authorised landfill sites, regardless of whether they would have qualified for the standard or lower rates. The 2021-22 rate for such disposals has been set at £145.05 per tonne of waste.

⁴ All rates are subject to approval by the Senedd.

Post-measures forecast

4.15 The final stage in our forecast process is to add the effect of new policy measures that have been announced since our previous forecast was published. For landfill tax and LDT these are typically small, although they can still be subject to some uncertainty. For example, the UK Government's decision to extend landfill tax to illegal sites started six months later than planned due to delays in implementing the health and safety procedures required to safeguard the new compliance staff that were taken on to police it.

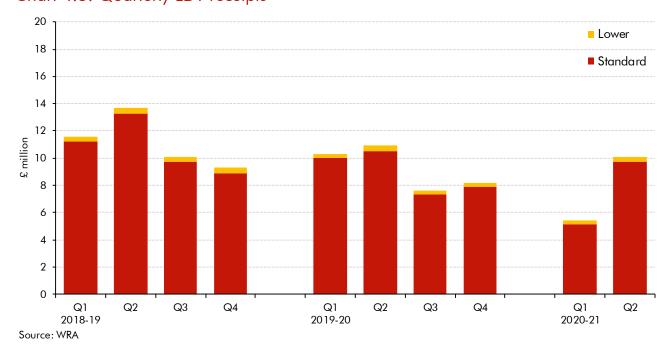
Landfill disposals tax forecast

4.16 Using the methodology described above and based on LDT outturn data for the first two quarters of 2020-21, this section describes our latest forecast and changes since March.

Receipts outturn

4.17 Chart 4.3 shows that receipts in the first half of 2020-21 are down 27 per cent (£5.7 million) on last year, mostly driven by the reduction in economic activity caused by the national lockdowns in response to the pandemic. First quarter receipts were nearly 50 per cent (£4.9 million) down on last year. Despite the easing of public health measures in the second quarter, receipts were still 7 per cent (£0.8 million) down on last year.

Chart 4.3: Quarterly LDT receipts



Latest forecast

4.18 Table 4.1 sets out our latest LDT forecast. Receipts in 2020-21 are £6 million (17 per cent) lower than we expected in March, largely reflecting the weakness in receipts at the start of the year. Thereafter receipts are expected to recover towards the levels forecast in March, as

the effects of the pandemic on consumption, and thus the amount of waste being sent to landfill, diminish. The forecast also reflects downward revisions to our RPI inflation forecast.

Table 4.1: LDT forecast

		£ million						
	Outturn	Outturn Forecast						
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	
March forecast	36	34	33	33	33	32		
December forecast	37	28	33	33	33	33	32	
Difference		-6	-1	0	0	0		
of which:								
Data and modelling		-6	-1	1	1	1		
RPI inflation		0	0	-1	-1	-1		

Risks and uncertainties

- 4.19 This section summarises some of the main uncertainties around our central LDT forecast.

 We would not expect the risk posed by any of these to be particularly large. They include:
 - The **net volume of waste arising** is assumed to remain constant over the forecast period. Changes in Welsh infrastructure, such as increases in incineration capacity, mean that the forecast for tonnes of waste sent to landfill trends down. As Chart 4.2 showed, waste sent to landfill has fallen reasonably steadily, but the rate of decline slowed in 2015-16 and 2016-17 before accelerating again since 2017-18. This illustrates the scope of the tax base to surprise us on either side of our central forecast.
 - All taxes are subject to a degree of **non-compliance**, ranging from simple errors to deliberate criminal activity. HMRC uses statistical techniques to measure the difference between the theoretical tax liability and what is actually paid, the 'tax gap'. Its latest estimate of the tax gap for the UK landfill tax is 28.4 per cent or £275 million.⁵ There is no estimate yet for the LDT tax gap, but if the gap were the same in percentage terms, then this would imply that around £15 million of potential receipts in 2019-20 were not collected. We do not yet have sufficient information on the WRA's LDT compliance activities to take a firm view so, for now, our forecast implicitly assumes no change in the (currently unknown) rate of non-compliance in future years. Any changes in that rate would pose a risk to receipts.
 - LDT on unauthorised disposals is not a self-assessed tax, with the tax liability instead arising from the WRA identifying suitable cases and issuing charging notices. WRA's scoping work around this was delayed because of the impact of coronavirus and they note that a reliable estimate for next year is challenging.⁶ There is an upside risk if WRA were to resume their activities, which could lead to additional tax revenue. The amount collected would be dependent on resources, planning and risks of litigation.

⁵ This relates to 2018-19. For more detail see HMRC's Measuring tax gaps 2020 edition.

⁶ Welsh Revenue Authority, Annual Report and Accounts 2019 to 2020, October 2020.

- Our forecast implicitly assumes that there is sufficient incineration and recycling capacity in Wales to absorb any increase in waste arising. These assumptions would need to be revisited if there were problems with infrastructure capacity, for example if a large incinerator were to be offline for a significant period or new capacity failed to come online as quickly as expected. Such events would imply a higher share of total waste being sent to landfill than implicitly assumed in our forecast and therefore higher LDT receipts.
- It is possible that non-Welsh Government policies could affect LDT receipts. The **UK's**exit from the EU could make exporting waste to Europe less attractive, at least in the short to medium term. For now, we have not assumed any waste-specific impediments to the UK's future exports to the EU. Were any to materialise, more waste could be sent to landfill representing an upside risk to LDT receipts. Similarly, the **Chinese ban on**the import of solid waste, also due to start on 1 January 2021, could divert waste that would otherwise have been exported (either from Wales or England) to landfill in Wales, also raising LDT receipts.⁷
- Behavioural responses to policy changes. The Welsh Government has so far aligned LDT rates with those for landfill tax. If those rates were to diverge then we would expect some waste to be diverted across the border to the sites that were subject to the lower rates. A significant share of waste being sent to landfill in Wales originates in England⁸ and, as Figure 4.1 shows, there are numerous landfill sites relatively close to either side of the Welsh-English border, so there would clearly be scope for such behavioural responses to take place. The degree to which they did would depend on how the potential tax saving compared to transport and other costs associated with sending waste to a landfill site subject to the lower tax rates.

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⁷ Trade data suggest that some of this impact might have already materialised, with the amount of solid waste imported by China falling sharply since 2017.

⁸ Data from Natural Resources Wales show that in each year from 2015-16 to 2019-20 waste from England accounted for over 20 per cent of standard-rated waste sent to landfill in Wales.

⁹ The 60-mile corridor from the border is purely illustrative.

Figure 4.1: Landfill sites in Wales and within 60 miles of the border with England

A Forecasts required for the block grant adjustments

- A.1 The block grant is a mechanism for transferring funds from the UK Government to the devolved administrations, as allocated from within the departmental spending limits set by the Treasury. The block grants for the Welsh and Scottish Governments are adjusted in accordance with their respective fiscal frameworks. The OBR has no direct involvement in these spending decisions or block grant negotiations, but the spending settlements do draw on our tax forecasts.
- A.2 This annex presents those forecasts, which largely relate to the UK Government's revenue from the taxes equivalent to those that have been devolved. For the three taxes covered in this report, the corresponding UK Government tax is (non-savings non-dividends) income tax, stamp duty land tax and landfill tax, all from England and Northern Ireland.
- A.3 The forecast methodologies for the Scottish and UK Government taxes are largely the same as those described in Chapters 2 to 4. We first establish an in-year estimate using the latest administrative data to estimate the level of receipts in 2020-21. We then project over the five-year horizon using the respective forecast models and our own judgements. The economic determinants that we use are from our November Economic and fiscal outlook.
- A.4 Tables A.1 to A.4 compare our current forecasts for the devolved Welsh (and Scottish) taxes to their UK Government equivalents (which relate to England and Northern Ireland). The near-term growth rates for all taxes are heavily affected by the coronavirus pandemic and the associated lockdowns imposed across the UK. Our income tax forecasts for 2020-21 also reflect the package of coronavirus measures announced by the UK Government. In the longer term, differences in our income tax forecasts will mainly reflect assumptions about relative population growth, while differences in our forecasts for property transaction taxes derive from the more progressive structure of the Welsh and Scottish tax schedules, which delivers greater revenue gains from fiscal drag as house prices rise.

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¹ The agreement between the Welsh Government and the United Kingdom Government on the Welsh Government's fiscal framework, December 2016, and The agreement between the Scottish Government and the United Kingdom Government on the Scottish Government's fiscal framework, February 2016.

Table A.1: Income tax on non-savings, non-dividend income

					£ billion			
	Outturn				Forecast			
						2023-24		
Whole UK NSND income tax	172.31	174.70	176.25	178.08	185.87	194.27	204.05	213.82
of which:								
Welsh Government income tax (WRIT basis)	2.01	2.03	2.05	2.06	2.15	2.25	2.36	2.46
UK Government NSND income tax from Wales	2.62	2.61	2.63	2.66	2.77	2.90	3.05	3.22
Scottish income tax ¹	11.56	11.78	11.84	11.95	12.44	12.98	13.61	14.28
England and Northern Ireland NSND income tax	156.12	158.29	159.74	161.41	168.50	176.14	185.03	193.85
Whole UK NSND income tax excluding Scottish income tax	160.75	162.92	164.41	166.13	173.42	181.29	190.44	199.53
UK Government NSND income tax ²	158.74	160.90	162.37	164.07	171.27	179.04	188.08	197.07
			Perc	entage ch	ange on (a year ea	rlier	
Whole UK NSND income tax		1.4	0.9	1.0	4.4	4.5	5.0	4.8
of which:								
Welsh Government income tax (WRIT basis)		8.0	1.0	0.9	4.2	4.4	4.8	4.6
UK Government NSND income tax from Wales		-0.4	0.8	1.1	4.4	4.7	5.3	5.3
Scottish income tax ¹		1.9	0.5	0.9	4.1	4.3	4.8	5.0
England and Northern Ireland NSND income tax		1.4	0.9	1.0	4.4	4.5	5.0	4.8
Whole UK NSND income tax excluding Scottish income tax		1.4	0.9	1.0	4.4	4.5	5.0	4.8
UK Government NSND income tax ²		1.4	0.9	1.0	4.4	4.5	5.0	4.8

Note: Shaded cells represent notional estimates for years when tax devolution has not occurred.

Note: We have updated the income tax forecasts in this table to correct an error in Table B.1 of the Devolved tax and spending forecasts published on 25 November. This correction deducts £2.4 billion from our UK NSND forecast, £170 million from our Scottish forecast and £46 million from our forecast for the Welsh rates in 2020-21.

¹ Currently outturn data is only available for 2018-19, and 2019-20 remains a forecast.

² Whole UK NSND income tax excluding Scottish income tax and Welsh Government income tax (WRIT basis).

Table A.2: Welsh rates and England and Northern Ireland equivalent income tax by band forecasts

	£ billion							
	Outturn				Forecast			
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
England and Northern Ireland	57.8	59.0	59.9	60.6	63.1	65.8	69.0	72.0
NSND income tax (WRIT basis) ¹	37.0	37.0	37.7	00.0	03.1	05.0	07.0	72.0
of which:								
Basic rate	39.3	40.7	41.6	42.2	43.9	45.6	47.6	49.4
Higher rate	11.4	11.0	11.3	11.5	11.7	12.1	12.6	13.2
Additional rate	7.1	7.3	7.0	6.9	7.5	8.2	8.8	9.4
Welsh Rates	2.0	2.0	2.0	2.1	2.2	2.2	2.4	2.5
of which:								
Basic rate	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
Higher rate	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Additional rate	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
			Per	rcentage c	hange on	a year ea	rlier	
England and Northern Ireland		2.1	1.5	1.2	4.1	4.3	4.8	4.4
NSND income tax (WRIT basis)		2.1	1.5	1.2	4.1	4.5	4.0	4.4
of which:								
Basic rate		3.6	2.2	1.5	3.8	4.0	4.4	3.8
Higher rate		-4.1	2.5	1.9	2.0	3.0	4.2	5.2
Additional rate		3.9	-4.5	-1.5	9.4	8.1	7.8	6.5
Welsh Rates		0.8	1.0	0.9	4.2	4.4	4.8	4.6
of which:								
Basic rate		1.7	1.0	0.8	4.2	4.3	4.6	4.1
Higher rate		-6.6	2.0	2.1	3.0	4.3	5.6	7.0
Additional rate		5.4	-5.8	-0.9	12.9	11.2	11.2	9.8

Note: Shaded cells represent notional estimates for years when tax devolution has not occurred.

Note: We have updated the income tax forecasts in this table to correct an error in Table B.2 of the *Devolved tax and spending* forecasts published on 25 November. This correction deducts £0.9 billion from the forecast for England and Northern Ireland (WRIT basis) and £46 million from our forecast for the Welsh rates in 2020-21.

Forecasts required for the block grant adjustments

Table A.3: Property transaction taxes

				£ million			
	Outturn			Fore	cast		
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Whole UK property transaction taxes	12,549	9,113	12,030	12,703	14,063	15,599	16,966
of which:							
Land transaction tax (Wales)	260	176	231	236	266	300	335
LBTT (Scotland)	598	431	578	597	671	753	830
SDLT (England and Northern Ireland)	11,691	8,505	11,220	11,871	13,127	14,545	15,802
UK excluding Scottish LBTT	11,951	8,682	11,451	12,106	13,392	14,846	16,136
		Pe	rcentage cl	nange on c	ı year earl	ier	
Whole UK property transaction taxes		-27.4	32.0	5.6	10.7	10.9	8.8
of which:							
Land transaction tax (Wales)		-32.2	30.9	2.1	12.6	13.1	11.4
LBTT (Scotland)		-27.9	34.2	3.2	12.4	12.2	10.2
SDLT (England and Northern Ireland)		-27.2	31.9	5.8	10.6	10.8	8.6
UK excluding Scottish LBTT		-27.4	31.9	5.7	10.6	10.9	8.7

Table A.4: Landfill taxes

				£ million			
	Outturn	tturn Forecast					
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Whole UK landfill taxes	732	684	751	719	622	578	
of which:							
Landfill disposals tax (Wales)	37	28	33	33	33	33	32
Scottish landfill tax	119	91	101	91	76	66	53
Landfill tax (England and Northern Ireland)	576	565	618	594	513	479	524
UK excluding Scottish landfill tax	613	593	650	628	546	512	557
		Pe	rcentage c	hange on a	a year earli	ier	
Whole UK landfill taxes		-6.5	9.8	-4.4	-13.5	-7.0	5.5
of which:							
Landfill disposals tax (Wales)		-23.6	16.1	1.7	-1.5	-0.8	-1.0
Scottish landfill tax		-23.0	10.4	-10.0	-16.5	-12.5	-19.5
Landfill tax (England and Northern Ireland)		-2.0	9.4	-3.8	-13.7	-6.6	9.4

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