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# 9 Emergency services for fire events

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### Attachment tables

Attachment tables are identified in references throughout this chapter by a '9A' prefix (for example, table 9A.1) and are available from the website [www.pc.gov.au/rogs/2017](http://www.pc.gov.au/rogs/2017).

This chapter reports performance information for emergency services for fire events.

In future reports, the scope of this chapter will be extended to include other emergency services that prepare for, respond to, and recover from, any emergency event.

All abbreviations used in this Report are available in a complete list in volume A: Approach to performance reporting.

## 9.1 Profile of emergency services for fire events

### Service overview

A fire event is an incident that is reported to a fire service organisation and requires a response. Fire events include (but are not limited to):

- structure fires (that is, fires inside a building or structure), regardless of whether there is damage to the structure
- landscape fires, including bushfires and grass fires, regardless of the size of the area burn
- other fires, including vehicle and other mobile property fires, and outside rubbish fires.

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## Roles and responsibilities

Fire service organisations are one of the primary agencies involved in providing emergency management services for fire events. The role of fire service organisations varies across jurisdictions but commonly includes prevention/mitigation, preparedness, response and recovery activities and services for each jurisdiction. Detailed activities by jurisdiction are available in table 9A.1.

Each State and Territory government operates multiple fire service agencies, which service different populations and geographic areas according to specified governance arrangements (table 9A.2). Fire service organisations work closely with other government departments and agencies that also have responsibilities in the case of fire events (see Emergency management sector overview —table DA.1 for a summary of emergency management organisations).

This chapter covers the finances and activities of urban and rural fire service agencies and, for selected tables and jurisdictions, the fire event finances and activities of land management agencies (tables 9A.2–3).

## Funding

The total revenue of fire service organisations in 2015-16 was \$3.7 billion (table 9.1).

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**Table 9.1 Real revenue of fire service organisations (2015-16 dollars)**  
**(\$ million)<sup>a, b</sup>**

|         | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|---------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
| 2011-12 | 1 016.8    | 1 242.5    | 536.3      | 436.6     | 190.6     | 72.8       | 68.7       | 38.6      | 3 602.9     |
| 2012-13 | 1 063.8    | 1 203.1    | 528.8      | 380.5     | 187.1     | 87.5       | 64.2       | 51.2      | 3 566.1     |
| 2013-14 | 1 140.6    | 1 238.6    | 644.0      | 353.2     | 215.1     | 76.7       | 65.0       | 33.7      | 3 767.0     |
| 2014-15 | 1 044.0    | 1 166.6    | 637.4      | 374.2     | 217.3     | 75.7       | 69.9       | 39.7      | 3 624.6     |
| 2015-16 | 1 052.1    | 1 221.3    | 602.1      | 395.3     | 222.2     | 136.5      | 69.1       | 34.8      | 3 733.5     |

<sup>a</sup> See table 9A.4 for detailed footnotes and caveats.

*Source:* State and Territory governments (unpublished); table 9A.4.

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Jurisdictions have a range of funding models to resource fire service organisations. In all jurisdictions except the ACT and the NT, levies are the largest source of fire services revenue (63.7 per cent of total funding in 2015-16), and are raised from levies on property owners or, in some jurisdictions, from levies on both insurance companies and property owners. The ACT and the NT do not raise fire levies, relying on government grants as their largest revenue source (table 9A.4).

Jurisdictions may fund other fire event services (not provided by fire service organisations), for which data are currently not available.

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## Size and scope

### Human resources

Nationally in 2015-16, 18 980 full time equivalent (FTE) paid personnel were employed by fire service organisations, with the majority (76.3 per cent) firefighters (table 9A.5).

A large number of volunteer staff (226 509 people) also participated in the delivery of services in 2015-16. The proportion of volunteer personnel and the nature of their role varied across jurisdictions (table 9A.5).

### Demand for emergency services

Fire service organisations provide emergency response and rescue services for a range of domestic, industrial, medical, and transport fire and emergency events. Nationally, fire service organisations attended a total of 382 440 emergency incidents in 2015-16, of which 97 433 were fire events (table 9A.13).

## 9.2 Framework of performance indicators

The performance indicator framework is based on governments' common objectives for emergency services (box 9.1).

### Box 9.1 Objectives for emergency services for fire and other events

Emergency services for fire and other events aim to build resilient communities that work together to understand and manage the risks that they confront, and to reduce the adverse effects of events on the community (including people, property, infrastructure, economy and environment).

Governments' involvement is aimed at providing emergency services that:

- contribute to the communities management of risks and its preparedness, through the promotion of risk reduction and mitigation activities
- are accessible, responsive and sustainable.

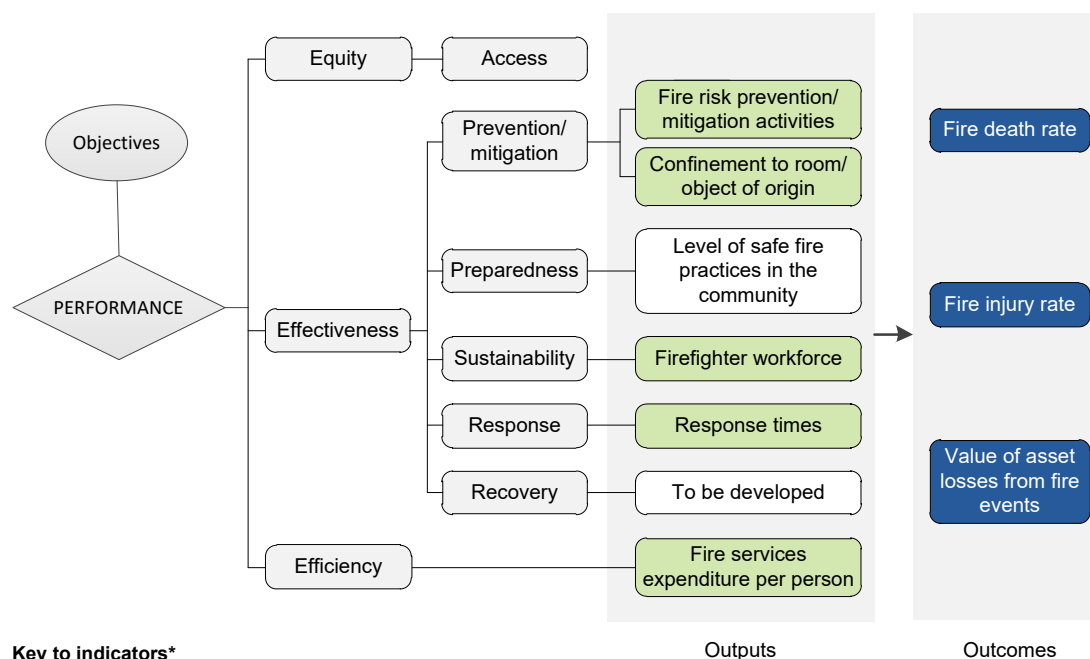
Governments aim for emergency services to meet these objectives in an equitable and efficient manner.

The performance indicator framework provides information on equity, efficiency and effectiveness, and distinguishes the outputs and outcomes of emergency services for fire events (figure 9.1). To reflect the activities of the emergency management sector, performance reporting in this chapter also uses the prevention/mitigation, preparedness, response and recovery framework (see figure D.4 in sector overview D).

The performance indicator framework shows which data are complete and comparable in the 2017 Report. For data that are not considered directly comparable, text includes relevant caveats and supporting commentary. Chapter 1 discusses data comparability, data completeness and information on data quality from a Report-wide perspective. In addition to section 9.1, the Report’s Statistical context chapter contains data that may assist in interpreting the performance indicators presented in this chapter (chapter 2).

Improvements to performance reporting for emergency services for fire and other events are ongoing and will include identifying indicators to fill gaps in reporting against key objectives, improving the comparability and completeness of data and reviewing proxy indicators to establish whether more direct measures can be developed.

**Figure 9.1 Emergency services for fire events performance indicator framework**



**Key to indicators\***

- Text Most recent data for all measures are comparable and complete
- Text Most recent data for at least one measure are comparable and complete
- Text Most recent data for all measures are either not comparable and/or not complete
- Text No data reported and/or no measures yet developed

\* A description of the comparability and completeness of each measure is provided in indicator interpretation boxes within the chapter

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## 9.3 Key performance indicator results

Different delivery contexts, locations and types of clients can affect the equity, effectiveness and efficiency of fire services.

### Outputs

Outputs are the services delivered (while outcomes are the impact of these services on the status of an individual or group) (see chapter 1). Output information is also critical for equitable, efficient and effective management of government services.

### Equity

There are currently no identified indicators on equity of access to fire services for special needs groups.

### Effectiveness

#### Prevention/mitigation — Fire risk prevention/mitigation activities

‘Fire risk prevention/mitigation activities’ is an indicator of governments’ objective to contribute to the communities management of risks and its preparedness, through the promotion of risk reduction and mitigation activities (box 9.2).

All jurisdictions undertake a range of fire risk prevention/mitigation tasks to assist households, commercial businesses, and communities prepare for the risk of fire (see table 9A.22 for activities by jurisdiction). To assist in determining the most appropriate activities and priorities, fire service organisations and other emergency management stakeholders look at fire cause identification (see table 9A.17 for data on ignition factors).

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## Box 9.2 Fire risk prevention/mitigation activities

'Fire risk prevention/mitigation activities' is defined by two measures.

- 'Accidental residential structure fires per 100 000 households' — the number of accidental residential structure fire incidents divided by the total number of households, where accidental residential structure fires are defined as fires that are not deliberately lit and could have been reduced or prevented with effective educational programs.

A low or decreasing incidence of accidental residential structural fire indicates greater community preparedness.

The rate of accidental residential structure fires per 100 000 households should be interpreted with caution. In particular, rates are affected by differences across jurisdiction in distinguishing accidental structure fires from structure fires resulting from other causes.

Data reported for this measure are:

- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- complete (subject to caveats) for the current reporting period. All required 2015-16 data are available for all jurisdictions.
- 'Proportion of residential structures with smoke alarms' —the number of households with a smoke alarm installed, divided by the total number of households.

High or increasing numbers of households with a smoke alarm installed indicates greater community preparedness

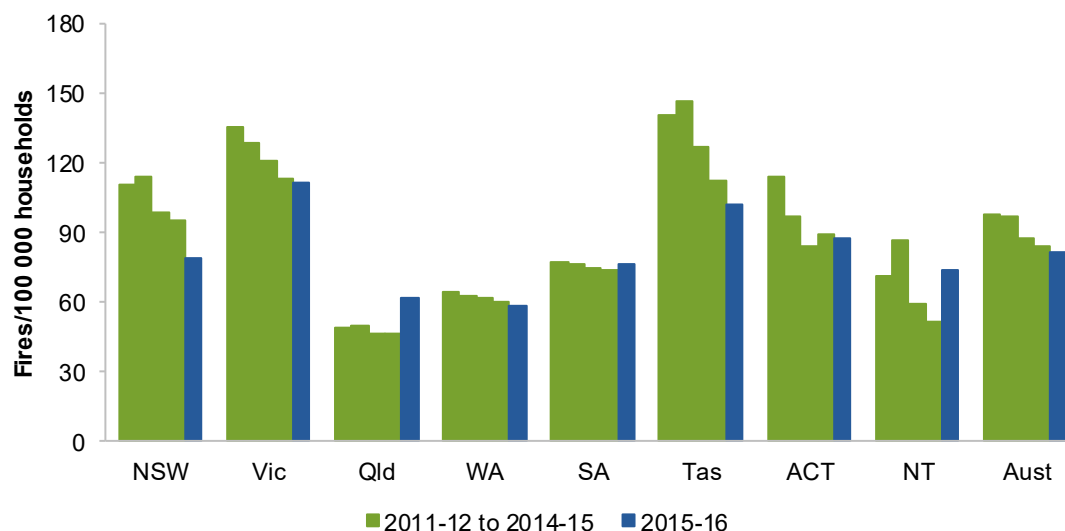
Data reported for this measure are:

- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- incomplete for the current reporting period. All required 2015-16 data are not available for SA, Tas and ACT.

### *Accidental residential structure fires per 100 000 households*

The national rate of accidental residential structure fires was 81.9 per 100 000 households in 2015-16 (figure 9.2 and table 9A.15).

Figure 9.2 **Accidental residential structure fires per 100 000 households<sup>a</sup>**



<sup>a</sup> See box 9.2 and table 9A.15 for detailed definitions, footnotes and caveats.

Source: State and Territory governments (unpublished); ABS (2015) *Household and Family Projections, 2011 to 2036*, Cat. no. 3236.0; table 9A.15.

### *Residential structures with smoke alarms*

One key fire risk mitigation strategy across all jurisdictions is the mandated installation of smoke detectors in residential structures. Nationally consistent data for all jurisdictions are not available. However, recent jurisdictional surveys estimate that 93.6 per cent, 97.2 per cent, 96.5 per cent, 91.0 per cent and 80.0 per cent of households in NSW, Victoria, Queensland, WA and the NT respectively, had an installed smoke alarm/detector in 2015-16 (table 9A.23).

Fire service organisations also have programs to encourage households to test their smoke detector/alarms regularly to ensure that they are operational. In 2015-16, 87.3 per cent and 69.0 per cent of households in Queensland and Western Australia respectively, had a smoke alarm that had been tested in the previous 12 months — data were not available for other jurisdictions (table 9A.23).

### Prevention/mitigation — Confinement to room/object of origin

‘Confinement to room/object of origin’ is an indicator of governments’ objective to contribute to the communities management of risks and its preparedness, through the promotion of risk reduction and mitigation activities (box 9.3).

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### Box 9.3      **Confinement to room/object of origin**

'Confinement to room/object of origin' is defined by two measures.

- 'Proportion of building fires confined to room of origin' — the number of building fires confined to the object, part room and room of origin, divided by the number of building fires attributed to confinement. A building fire is a fire that has caused some damage to a building structure (such as a house).
- 'Proportion of building and other structure fires confined to room/object of origin' — the number of building and other structure fires confined to the object, part room and room of origin divided by the number of building fires attributed to confinement. Other structure fires are fires within a building structure (such as fires confined to rubbish bins, burnt foodstuffs and fires confined to cooking equipment).

A high or increasing proportion of structure fires confined to the object or room of origin is desirable.

Data reported for these measures are:

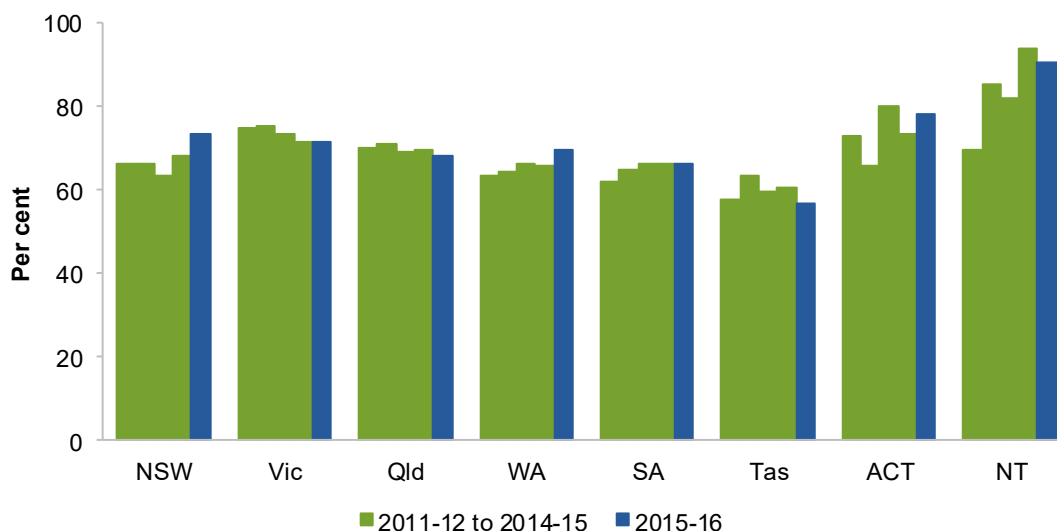
- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- incomplete for the current reporting period for the measure 'proportion of building and other structure fires confined to room/object of origin'. All required 2015-16 data are not available for NSW.

#### *Proportion of building fires confined to room of origin*

The proportion of building fires confined to room of origin varies across jurisdictions, and within jurisdictions over time (figure 9.3).



Figure 9.3 **Proportion of building fires confined to room of origin, all ignition types<sup>a</sup>**



<sup>a</sup> See box 9.3 and table 9A.10 for detailed definitions, footnotes and caveats.

Source: State and Territory governments (unpublished); table 9A.10.

### *Proportion of building and other structure fires confined to room/object of origin*

The proportion of building and other structure fires confined to room/object of origin is generally greater than that for building fires, as the measure incorporates object fires that do not spread to the building.

Incendiary and suspicious structure fires (those that are, or suspected of being, deliberately lit) are less likely to be confined to the object or room of origin than for accidental structure fires (tables 9A.10-11).

### Preparedness — Level of safe fire practices in the community

‘Level of safe fire practices in the community’ is an indicator of governments’ objective to contribute to the communities management of risks and its preparedness, through the promotion of risk reduction and mitigation activities (box 9.4).

#### **Box 9.4 Level of safe fire practices in the community**

Data on the level of safe fire practices have been identified for development and reporting in future. Data are available on community preparedness for emergency events (see box D.3 in the Emergency management sector overview — sector overview D).

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## Sustainability — Firefighter workforce

‘Firefighter workforce’ is an indicator of governments’ objective to provide emergency services that are sustainable (box 9.5).

### Box 9.5 Firefighter workforce

‘Firefighter workforce’ is defined by two measures.

- ‘Workforce by age group’ — defined as the age profile of the workforce, measured by the proportion of the operational workforce in 10 year age brackets (under 30, 30–39, 40–49, 50–59 and 60 and over).

A low or decreasing proportion of the workforce who are in the younger age groups and/or a high or increasing proportion who are closer to retirement, suggests sustainability problems may arise in the coming decade as the older age group starts to retire.

Data reported for this measure are:

- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- complete (subject to caveats) for the current reporting period. All required 2015-16 data are available for all jurisdictions.
- ‘Workforce attrition’ — defined as level of attrition in the operational workforce, calculated as the number of FTE employees who exit the organisation as a proportion of the number of FTE employees.

Low or decreasing levels of staff attrition are desirable.

Data reported for this measures are:

- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- complete (subject to caveats) for the current reporting period. All required 2015-16 data are available for all jurisdictions.

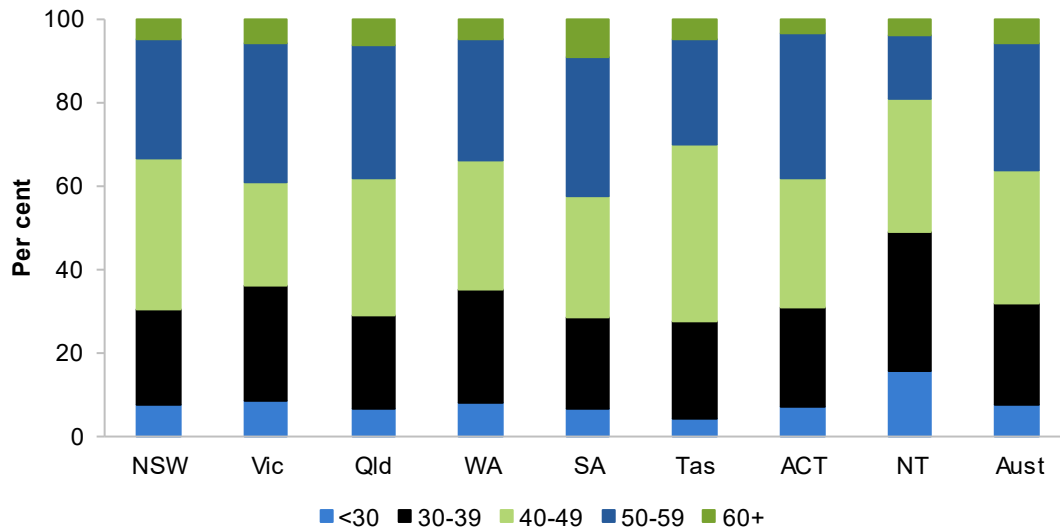
The workforce by age group and staff attrition measures should be considered together. Each provides a different aspect of the changing profile and sustainability of fire service organisations’ workforces and should also be considered in conjunction with data on the:

- number of full time equivalent firefighter personnel per 100 000 people
- fire service organisation volunteers per 100 000 people (table 9A.24).

### Workforce by age group

Nationally in 2015-16, 63.8 per cent of the firefighter workforce were aged under 50 years (figure 9.4 and table 9A.5).

Figure 9.4 Firefighter workforce, by age group, 2015-16<sup>a</sup>



<sup>a</sup> See box 9.5 and table 9A.5 for detailed definitions, footnotes and caveats.

Source: State and Territory governments (unpublished), table 9A.5.

## Workforce attrition

In 2015-16, the staff attrition rate varied across jurisdictions (table 9A.5).

## Response — Response times to structure fires

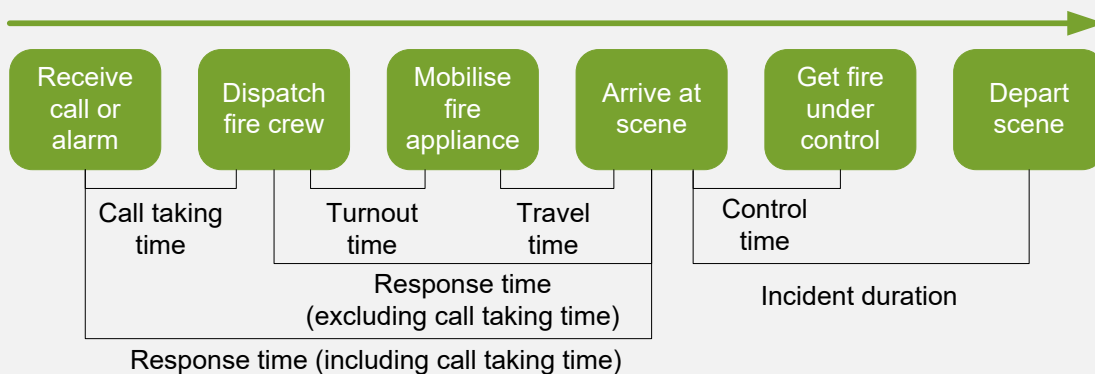
‘Response times to structure fires’ is an indicator of governments’ objective to provide emergency services that are responsive (box 9.6).

## Box 9.6 Response times to structure fires

'Response times to structure fires' (as illustrated below) is defined as the time taken between the arrival of the first fire crew appliance at the scene of a structure fire and:

- *initial receipt of the call at the communications centre*. Response time (including call taking time) reflects jurisdictions' overall responsiveness to the notification of a structure fire
- *dispatch of the responding fire crew*. Response time (excluding call taking time) reflects service organisations' responsiveness to the notification of a structure fire.

Response times are calculated at the 50th and 90th percentile. (The time taken for 50 per cent of all responses to arrive at a structure fire is equal to or below the 50th percentile. The time taken for 90 per cent of all responses to arrive at a structure fire is equal to or below the 90th percentile).



Response time measures are provided for:

- state-wide — the entire jurisdiction.
- capital cities — measured as the geographic area that incorporates the jurisdictions' capital city. Boundaries are based on the ABS Australian Statistical Geography Standard (ASGS) structure. Capital cities are calculated as the major cities classification for all jurisdictions, other than Tasmania and the NT, where the inner regional (incorporating Hobart and Launceston) and outer regional (incorporating Darwin) classifications are applied.
- remoteness areas — inner regional (excluding Tasmania), outer regional (excluding the NT), remote and very remote boundaries based on the ASGS structure.

There are many factors that influence remoteness area response times including:

- land area (which has particular impact across urban, rural and remote areas)
- population size and density (which has a particular impact in urban areas)
- the dispersion of the population (particularly rural/urban population proportions), topography, road/transport infrastructure and traffic densities

(continued next page)

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**Box 9.6** (continued)

- crewing configurations, response systems and processes, and travel distances — for example, some jurisdictions include responses from volunteer stations (often in rural areas) where turnout times are generally longer because volunteers are on call as distinct from being on duty (table 9A.25).

Calculations are based on emergency responses to structure fire incidents and include responses by both permanent and volunteer brigades (unless otherwise noted).

Shorter response times suggest that services are more responsive.

Response times need to be interpreted with caution because the data are not directly comparable across jurisdictions. Differences between jurisdictions in definitions of response times, geography, personnel mix, and system type (manual or computer assisted dispatch) affect the comparability of response times data.

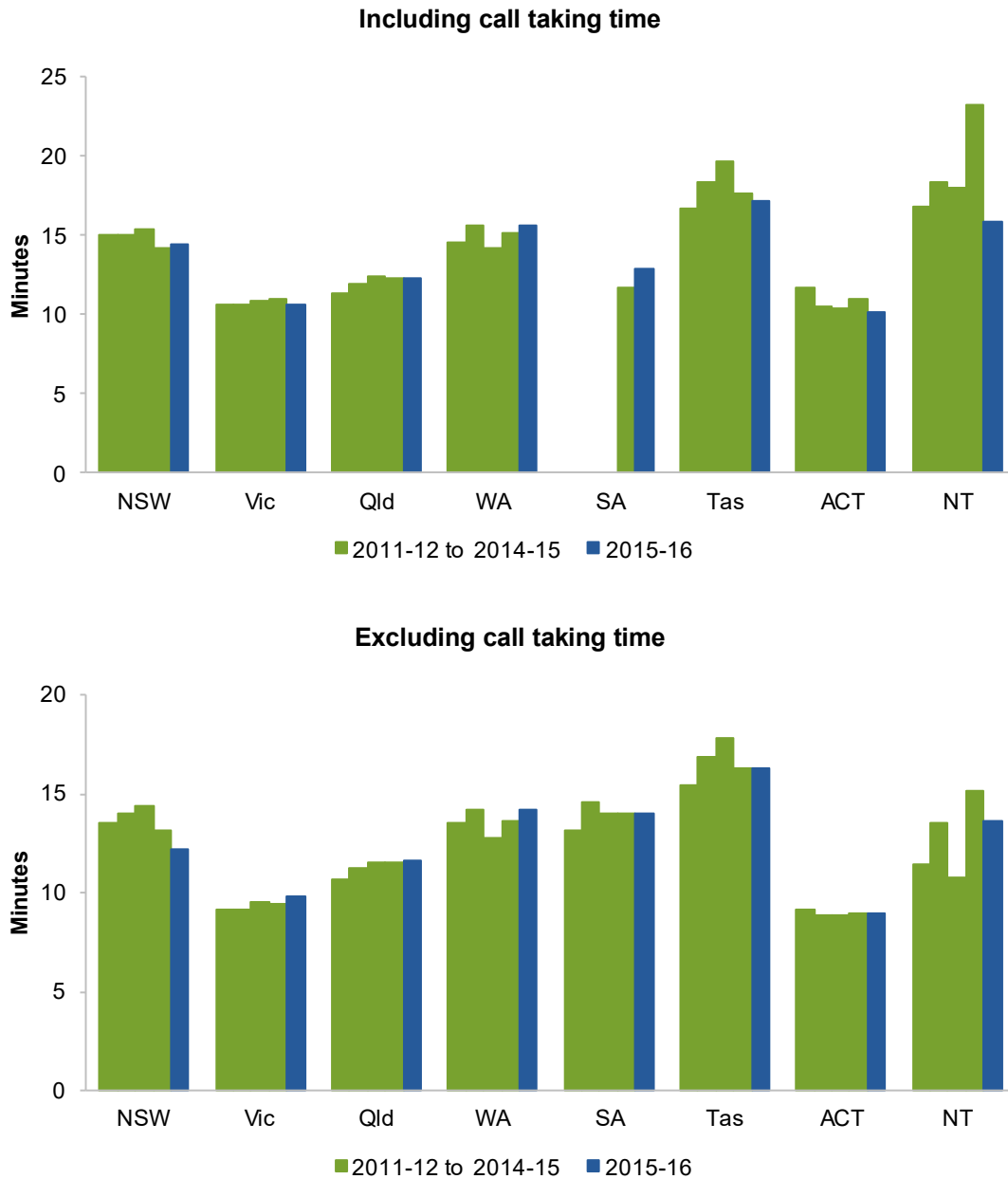
Data reported for these measures are:

- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- complete (subject to caveats) for the current reporting period. All required 2015-16 data are available for all jurisdictions.

*Response times to structure fires — state-wide*

Nationally in 2015-16, the time within which 90 per cent of the first responding fire resources arrived at the scene of a structure fire (including call taking time) varied from 10.2 minutes to 17.2 minutes across jurisdictions (figure 9.5).

Figure 9.5 **Response times to structure fires, state-wide, 2015-16, 90th percentile<sup>a, b</sup>**



<sup>a</sup> See box 9.6 and tables 9A.26–27 for detailed definitions, footnotes and caveats. <sup>b</sup> SA data including call taking time are not available prior to 2014-15.

Source: State and Territory governments (unpublished); tables 9A.26–27.

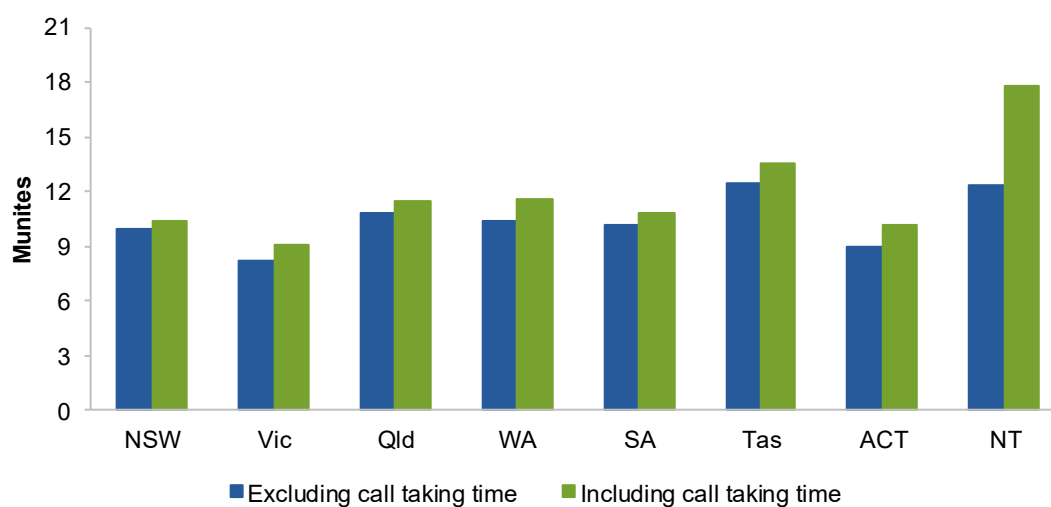
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### Response times to structure fires — capital city

Response times in capital cities are lower than the state-wide responses for all jurisdictions. The time within which 90 per cent of the first responding fire appliances arrive at the scene of a structure fire (including call taking time) within capital cities ranged across jurisdictions from 9.1 minutes to 17.8 minutes in 2015-16 (figure 9.6).

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Figure 9.6 **Response times to structure fires, capital cities, 2015-16, 90th percentile<sup>a, b, c</sup>**



<sup>a</sup> See box 9.6 and tables 9A.26–27 for detailed definitions, footnotes and caveats. <sup>b</sup> Data for Tasmania are for Inner regional areas. <sup>c</sup> Data for NT are for Outer regional areas. See box 9.6 and tables 9A.26–27 for detailed definitions, footnotes and caveats

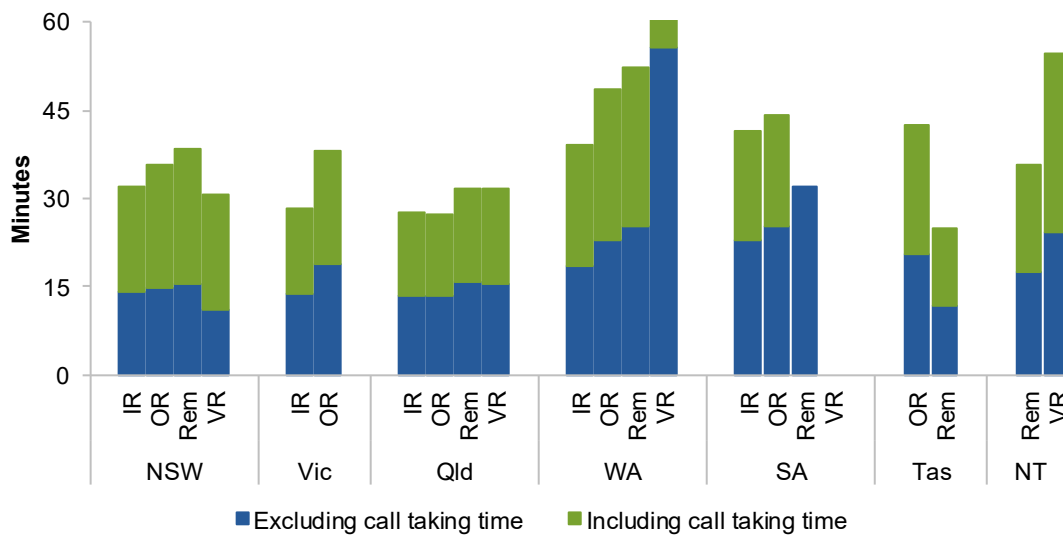
Source: State and Territory governments (unpublished); tables 9A.26–27.

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### Response times to structure fires — remoteness areas

Response times are generally higher for all jurisdictions in regional and remote areas, compared to capital cities (figure 9.7).

Figure 9.7 **Response times to structure fires, regional and remote areas, 2015-16, 90th percentile<sup>a, b, c</sup>**



**IR** = Inner Regional **OR** = Outer Regional **Rem** = Remote **VR** = Very Remote

<sup>a</sup> See box 9.6 and tables 9A.26–27 for detailed definitions, footnotes and caveats. <sup>b</sup> Some geographical areas are not applicable for some jurisdictions. <sup>c</sup> **VR** data are not available for SA.

Source: State and Territory governments (unpublished); tables 9A.26–27.

## Recovery

Recovery indicators relate to community restoration and to communities' and fire service organisations' ability to return to a state of preparedness (box 9.7).

### Box 9.7 **Recovery**

There are two elements to recovery: supporting communities in reconstruction of the physical infrastructure and restoration of emotional, social, economic, ecological and physical wellbeing following a fire event, and return of communities and fire service organisations to a state of preparedness after experiencing a fire event.

Recovery indicators are identified as a key development area for future reports.



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## Efficiency

### Fire service organisations' expenditure per person

'Fire service organisations' expenditure per person' is a proxy indicator of governments' objective of providing emergency services in an efficient manner (box 9.8).

#### Box 9.8 Expenditure per person

'Fire service organisations' expenditure per person' is defined as total fire service organisation expenditure per person in the population.

All else being equal, lower expenditure per person suggests greater efficiency. However, efficiency data should be interpreted with caution. High or increasing expenditure per person may reflect deteriorating efficiency. Alternatively, it may reflect changes in aspects of the service (such as improved response), increased resourcing for fire prevention or community preparedness, or the characteristics of fire events (such as more challenging fires). Low or declining expenditure per person may reflect improving efficiency. Alternatively, it may reflect lower quality responses or less challenging fires.

Expenditure per fire is not used as a measure of efficiency because an organisation that works to reduce the number of fire incidents could erroneously appear to be less efficient.

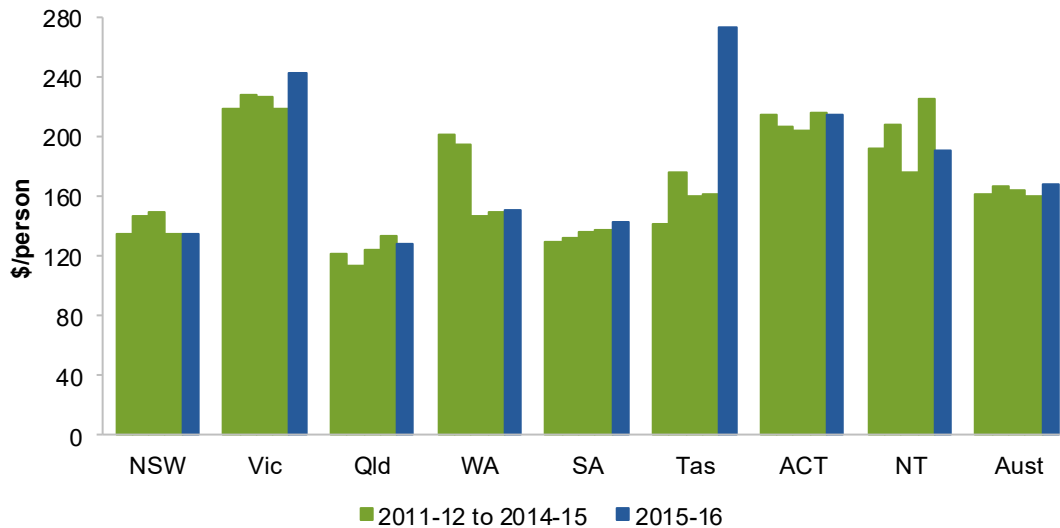
The role of volunteers needs to be considered when interpreting this indicator. Volunteer personnel provide a substantial proportion of fire services (and emergency services more generally). While costs such as the training and equipment associated with volunteers are included in the cost of fire service provision, the labour costs of providing fire services would be greater without volunteers (assuming these functions were still performed).

Data reported for this measure are:

- comparable (subject to caveats) within jurisdictions over time but are not comparable across jurisdictions
- complete (subject to caveats) for the current reporting period. All required 2015-16 data are available for all jurisdictions.

Nationally in 2015-16, the total expenditure of fire service organisations was \$168 per person in the population (figure 9.8). Expenditure data disaggregated by labour, capital and other costs are available in table 9A.28.

Figure 9.8 Fire service organisations' expenditure (2015-16 dollars)<sup>a</sup>



<sup>a</sup> See box 9.8 and table 9A.29 for detailed definitions, footnotes and caveats.

Source: State and Territory governments (unpublished); ABS (unpublished); table 9A.29.

## Outcomes

Outcomes are the impact of services on the status of an individual or group (while outputs are the services delivered) (chapter 1).

### Fire death rate

'Fire death rate' is an indicator of governments' objective to reduce the adverse effects of events on the community (including people, property, infrastructure, economy and environment) (box 9.9).

### Box 9.9 Fire death rate

'Fire death rate' is defined by two measures.

- 'Annual fire death rate' — all deaths, per million people, whose underlying cause of death is fire related to smoke, fire and flames, including all (structure and landscape) fires
- 'Landscape fire death rate' — deaths resulting from landscape fires only, per million people. Landscape fire deaths include those that result from the fire, but whose primary cause may be related to other factors (except for self-harm deaths).

A low or decreasing fire death rate represents a better outcome.

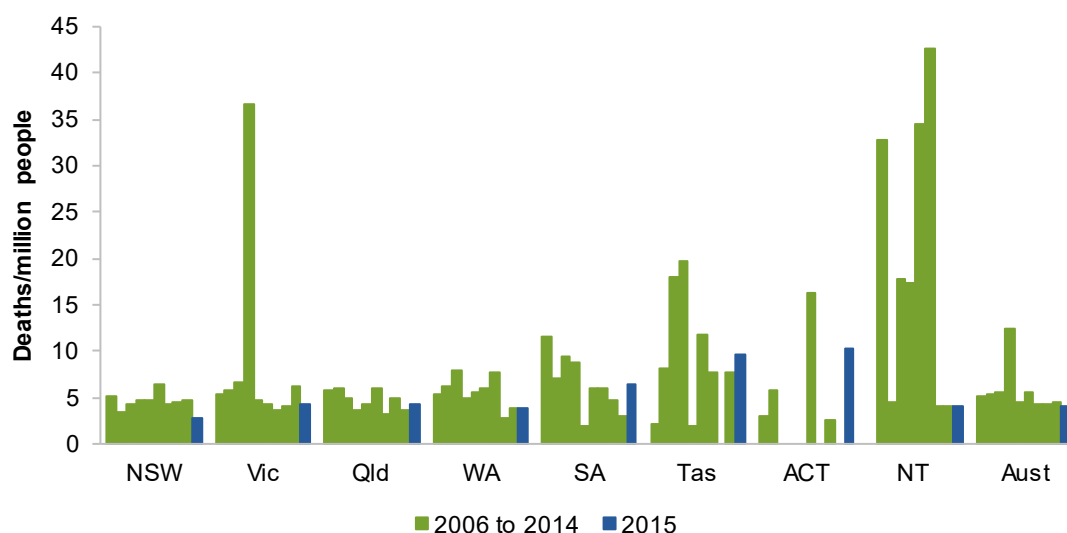
Data for these measures are:

- comparable (subject to caveats) across jurisdictions and over time
- complete (subject to caveats) for the current reporting period. All required 2015 data are available for all jurisdictions.

#### Fire death rate — Annual fire death rate

The annual fire death rate was 4.1 deaths per million people in 2015 (97 fire deaths) (figure 9.9 and table 9A.6). Nationally, exposure to smoke, fire and flames accounted for the majority of fire deaths in 2015 (57 deaths) (table 9A.7).

Figure 9.9 Annual fire death rate, 2006–2015<sup>a</sup>



<sup>a</sup> See box 9.9 and table 9A.6 for detailed definitions, footnotes and caveats.

Source: ABS (2016) *Causes of Death, Australia*, Cat. no. 3303.0; table 9A.6.

Annual fire death rates can be particularly volatile because of the small number of fire deaths and the influence of large irregular fire events. One method to overcome data volatility is to present fire death rates as three-year averages. Alternatively, annual death rates can be viewed over a longer time series to help identify any underlying trends. Nationally, in the ten years from 2006–2015, the average deaths per million people was 6.0 (table 9A.6).

#### *Fire death rate — Landscape fire death rate*

Nationally, comparatively few deaths are related to landscape fires annually (10 deaths in 2015-16), although the landscape fire death rate is punctuated by large, irregular events (table 9.2 and 9A.8). To assist in identifying underlying trends in the annual landscape fire death series, a 30 year time series is provided in table 9A.8.

**Table 9.2 Landscape fire deaths<sup>a</sup>**

|         | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|---------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
| 2011-12 | –          | 1          | 1          | –         | –         | –          | –          | –         | 2           |
| 2012-13 | –          | 5          | –          | 3         | –         | 1          | –          | –         | 9           |
| 2013-14 | 2          | 1          | –          | 1         | –         | –          | –          | –         | 4           |
| 2014-15 | –          | –          | –          | –         | 2         | –          | –          | –         | 2           |
| 2015-16 | 1          | –          | 1          | 6         | 2         | –          | –          | –         | 10          |

<sup>a</sup> See box 9.9 and table 9A.8 for detailed caveats. – Nil or rounded to zero.

Source: Australasian Fire and Emergency Service Authorities Council (unpublished); table 9A.8.

#### Fire injury rate

‘Fire injury rate’ is an indicator of governments’ objective to reduce the adverse effects of events on the community (including people, property, infrastructure, economy and environment) (box 9.10).

### Box 9.10 Fire injury rate

'Fire injury rate' is defined as the number of fire-related hospital admissions per 100 000 people.

A lower fire injury rate represents a better outcome.

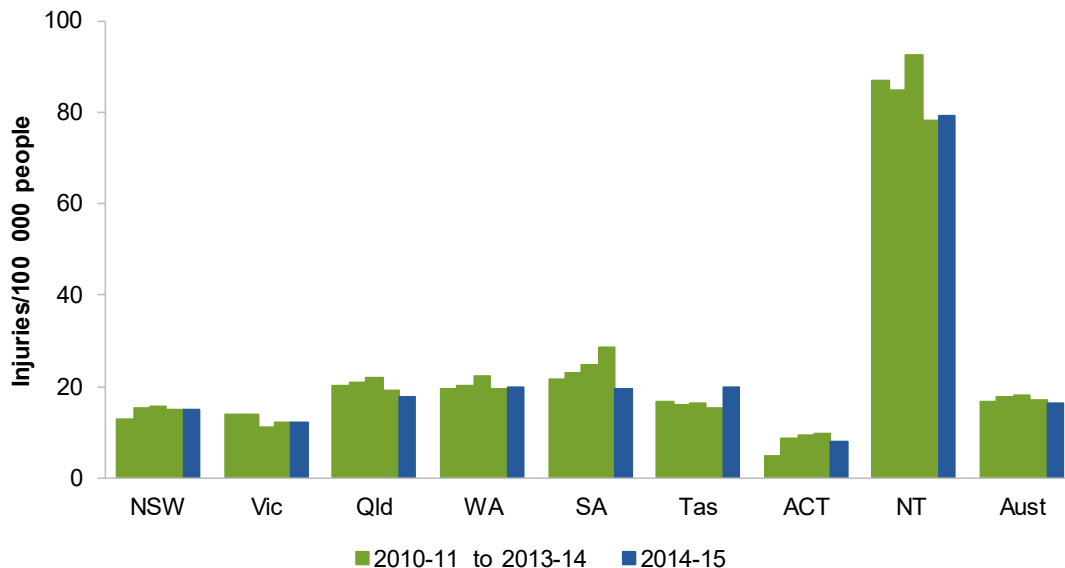
Fire injuries are represented by hospital admissions (excluding emergency department non-admitted casualties) and are reported by the State or Territory where the admission occurs. A person injured by fire may be treated more than once, and in more than one State or Territory. Data reported exclude deaths from fire injuries after hospitalisation (counted in the fire death rate data).

Data for this measure are:

- comparable (subject to caveats) across jurisdictions and over time
- complete (subject to caveats) for the current reporting period. All required 2014-15 data are available for all jurisdictions.

Nationally, there were 3857 hospital admissions due to fire injury, equating to a rate of 16.3 per 100 000 people in 2014-15 (table 9A.9 and figure 9.10).

Figure 9.10 Annual fire hospitalisation rate per 100 000 people<sup>a</sup>



<sup>a</sup> See box 9.10 and table 9A.9 for detailed definitions, footnotes and caveats.

Source: Australian Institute of Health and Welfare (AIHW), *National Hospital Morbidity Database* (unpublished); table 9A.9.

Fire hospitalisation rates need to be interpreted with caution because of the small number of fire injuries. Data for three-year averages are reported in table 9A.9.

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## Value of asset losses from fire events

‘Value of asset losses from fire events’ is an indicator of governments’ objective to reduce the adverse effects of events on the community (including people, property, infrastructure, economy and environment) (box 9.11).

### Box 9.11 Value of asset losses from structure fire

‘Value of asset losses from fire events’ is defined as the estimated monetary value of the damage to property and contents caused by the fire and fire-fighting operations based on insurance claims. It does not include land value.

The value of these insurance claims is the sum of the incurred claims on insurance companies related to fires and explosions, reported to Insurance Statistics Australia (ISA). Data are presented as: average domestic insurance claim from fire events; total domestic insurance claims from fire events per person; and total commercial insurance claims from fire events per person.

Lower or decreasing asset losses from fire events represent a better outcome.

Data need to be interpreted with caution as actual asset losses may differ from incurred claims due to:

- under insurance — insurance payouts are limited by the estimated value of assets a policy holder provides when taking out insurance
- new for old — new for old policies replace an old asset for a new equivalent
- excess policy — most small fire incidents will not be recorded in the insurance data due to the need for policy holders to pay an excess prior to claim.

Data reported for this measure are:

- comparable (subject to caveats) across jurisdictions and over time
- complete (subject to caveats) for the current reporting period. Required 2015-16 data are available for all jurisdictions; however, ISA estimate that their data cover approximately 69 and 60 per cent of the potential domestic and commercial insurance markets respectively.

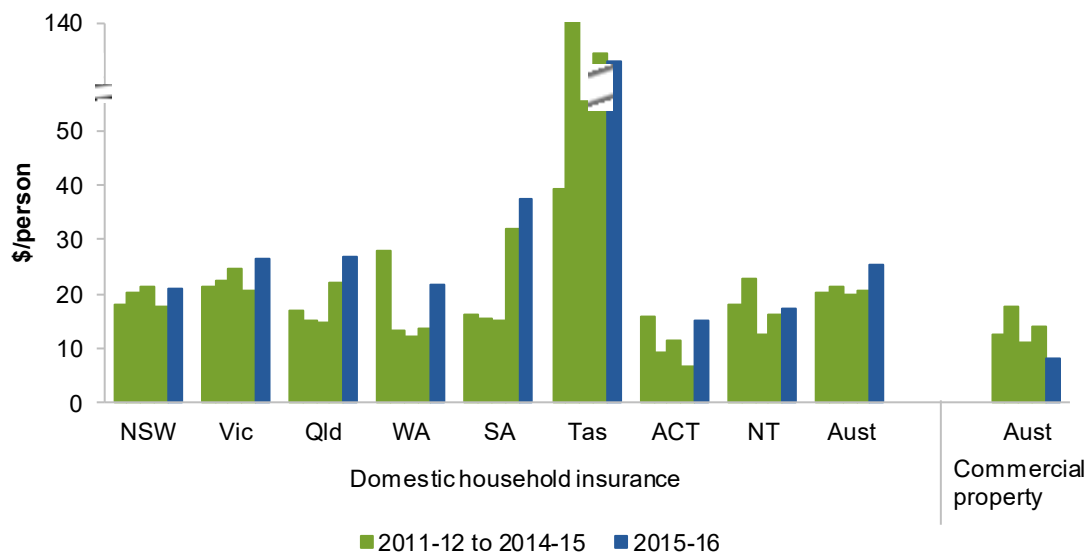
Nationally in 2015-16, household and commercial property insurance claims in relation to fire events (excluding major events) totalled \$806.1 million (table 9A.12).

Domestic insurance fire event claims increased for:

- average claims — a 29.6 per cent increase in real terms from an average claim of \$44 651 in 2011-12 to an average claim of \$57 858 in 2015-16
- claim per person — a 26.9 per cent increase in real terms from \$20.06 per person in the population in 2011-12 to \$25.46 per person in the population in 2015-16 (table 9A.12 and figure 9.11).

Nationally, there were 2132 commercial insurance claims from fire events in 2015-16 (table 9A.12).

Figure 9.11 Total value of fire event insurance claims (2015-16 dollars)<sup>a</sup>



<sup>a</sup> See box 9.11 and table 9A.12 for detailed definitions, footnotes and caveats.

Source: ISA Database (2016), unpublished; table 9A.12.

## 9.4 Definitions of key terms

|                          |   |
|--------------------------|---|
| <b>Expenditure</b>       | <p>Includes:</p> <ul style="list-style-type: none"> <li>• salaries and payments in the nature of salaries to fire personnel</li> <li>• capital expenditure (such as the user cost of capital)</li> <li>• other operating expenditure (such as running expenditure, contract expenditure, training expenditure, maintenance expenditure, communications expenditure, provision for losses and other recurrent expenditure).</li> </ul> <p>Excludes interest on borrowings.</p> |
| User cost of capital     | <p>The opportunity cost of funds tied up in the capital used to deliver services. Calculated as 8 per cent of the current value of non-current physical assets (including land, plant and equipment).</p>   |
| <b>Human resources</b>   | <p>Human resources refers to any person delivering a service, or managing the delivery of this service, including:</p> <ul style="list-style-type: none"> <li>• firefighters (qualified paid and volunteer firefighters)</li> <li>• support personnel (any paid person or volunteer directly supporting operational providers, including administrative, technical and communications personnel).</li> </ul>  |
| <b>Revenue</b>           | <p>Revenue received directly or indirectly by fire service organisations on an accrual accounting basis, including:</p>   |
| Government grant funding | <p>Grant funding, as established in legislation, from the Australian, State/Territory and Local governments.</p>  |

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|                                |   |
|--------------------------------|---|
| Levies                         | Revenue from levies, as established in enabling legislation, raised on insurance companies and property owners.   |
| User/transport charges         | Revenue from fees and charges on individuals, private/public organisations and insurers.  |
| Subscriptions and other income | Other revenue, including: <ul style="list-style-type: none"> <li>• subscriptions and benefit funds received from the community</li> <li>• donations, industry contributions and fundraising received</li> <li>• other income.</li> </ul>  |
| Indirect revenue               | All revenue or funding received indirectly by the agency (for example, directly to Treasury or other such entity) that arises from the agency's actions.  |
| <b>Preparedness</b>            | Actions/programmes designed to strengthen the overall capacity and capability of a community to manage disasters; and procedures planned for during a non-disaster response period to be actioned during a disaster response period to minimise the loss of life, injury and damage to property when a disaster occurs.   |
| <b>Response</b>                | Actions taken in anticipation of, during and/or immediately after a disaster to ensure that its effects are minimised and that affected people are provided with immediate care, relief and support.  |
| <b>Volunteer personnel</b>     |   |
| Volunteer firefighters         | All personnel engaged on an unpaid casual basis by the emergency service organisation who deliver or manage a firefighting service directly to the community and who are formally trained and qualified to undertake firefighting duties, but do not receive remuneration other than reimbursement of 'out of pocket expenses'.   |
| Volunteer support staff        | All personnel engaged on an unpaid casual basis that are not remunerated and are principally involved in the provision of support services. For fire service organisations, this includes any staff whose immediate client is the firefighter. These can be people in operational support roles provided they do not receive payment for their services other than reimbursement of 'out of pocket expenses'. |

## 9.5 References

ABS 2008, *Household preparedness for emergencies: NSW, Vic., Qld and ACT*, Cat. no. 4818.0.55.001, Canberra.



# 9A Emergency services for fire events — attachment

Definitions for the indicators and descriptors in this attachment are in section 9.4 of the chapter. Unsourced information was obtained from the Australian, State and Territory governments, with the assistance of the Australasian Fire and Emergency Service Authorities Council.

Data in this Report are examined by the Emergency Management Working Group, but have not been formally audited by the Secretariat.

Data reported in the attachment tables are the most accurate available at the time of data collection. Historical data may have been updated since the last edition of RoGS.

This file is available on the Review web page ([www.pc.gov.au/rogs/2017](http://www.pc.gov.au/rogs/2017)).

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Table 9A.1 All activities of fire service organisations

|  | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|--|------------|------------|------------|-----------|-----------|------------|------------|-----------|
| Fire prevention  |            |            |            |           |           |            |            |           |
| Advice on rural land management  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Preparation of risk assessment and emergency plans                                 | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Inspection of property and building for fire hazards and fire standards compliance | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Inspection of storage and handling   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✗          | ✓         |
| Other  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Fire preparedness  |            |            |            |           |           |            |            |           |
| Preparation of response plans  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Public training and intervention   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Promotion of fire alerting systems   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Training of fire personnel   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Sale and maintenance of fire protection equipment                                  | ✓          | ✓          | ✗          | ✗         | ✗         | ✓          | ✗          | ✗         |
| Hazardous chemicals and material certification                                     | ✓          | ✓          | ✗          | ✓         | ✓         | ✗          | ✗          | ✗         |
| Other  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Nonfire preparedness   |            |            |            |           |           |            |            |           |
| Counter-terrorism  | ✓          | ✓          | ✗          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Critical infrastructure protection   | ✓          | ✓          | ✗          | ✓         | ✓         | ✓          | ✓          | ✓         |
| National security support  | ✓          | ✓          | ✗          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Fire response  |            |            |            |           |           |            |            |           |
| Structural fire suppression  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Wild fire suppression  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Response to incident involving hazardous substances                                | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Interagency response/incident management arrangements                              | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Other  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Nonfire response   |            |            |            |           |           |            |            |           |
| Hazardous materials incidents  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Chemical biological and radiological incidents                                     | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Aircraft/airport incident response   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Medical emergencies  | ✓          | ✓          | ✗          | ✗         | ✗         | ✓          | ✓          | ✓         |
| Road crash rescue  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Industrial rescue  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Rescue   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Storm damage   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Natural events   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Marine response  | ✓          | ✓          | ✗          | ✓         | ✓         | ✗          | ✓          | ✓         |
| Technological and hazardous material incidents                                     | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |

Table 9A.1 **All activities of fire service organisations**

|  | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|--|------------|------------|------------|-----------|-----------|------------|------------|-----------|
| Emergency relief and recovery                                  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✗          | ✗         |
| Vertical rescue  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Urban search and rescue  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Fire recovery  |            |            |            |           |           |            |            |           |
| Critical incident stress debriefing                            | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Salvage and restoration of the emergency event to a safe state | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Support for the community                                      | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✗         |
| Post incident analysis of events                               | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |

*Source*: State and Territory governments (unpublished).

Table 9A.2 **Delivery and scope of activity of primary fire service organisations**

| <i>Fire service organisations (a)</i>   |  |  |  |
|---|--|--|--|
| <i>Umbrella department(s)</i>   | <i>Fire service provider(s)</i>  | <i>Land management agency(s)</i>   |  |
| <b>NSW</b>  | <ul style="list-style-type: none"> <li>• <i>NSW Ministry for Police and Emergency Services</i></li> <br/> <li>NSW Office of Emergency Management</li> </ul>  | <ul style="list-style-type: none"> <li>• <i>Fire &amp; Rescue NSW: government department reports to the Minister for Police and Emergency Services directly.</i></li> <br/> <li>• <i>NSW Rural Fire Service: government department reports to the Minister for Police and Emergency Services directly.</i></li> </ul>  | <ul style="list-style-type: none"> <li>• <i>NSW Department of Environment, Climate Change and Water</i></li> <li>• <i>NSW National Park and Wildlife Service</i></li> <li>• <i>Forests NSW</i></li> <li>• <i>NSW Lands Department</i></li> <li>• <i>NSW Water Authorities</i></li> </ul> |
| <b>Vic</b>  | <ul style="list-style-type: none"> <li>• <i>Department of Justice and Regulation</i></li> <br/> <li>• <i>Emergency Management Victoria</i></li> </ul>  | <ul style="list-style-type: none"> <li>• <i>Metropolitan Fire and Emergency Services Board: statutory authority reports to the Minister for Emergency Services.</i></li> <br/> <li>• <i>Country Fire Authority: statutory authority reports to the Minister for Emergency Services.</i></li> </ul>   | <ul style="list-style-type: none"> <li>• <i>Department of Environment, Land, Water &amp; Planning</i></li> </ul>   |
| <p>Note: The Metropolitan Fire and Emergency Services Board provides urban fire services coverage from the Melbourne Central Business District through to the middle and outer suburbs. The Country Fire Authority provides urban and rural fire services coverage for all parts of Victoria other than the Melbourne Metropolitan Fire District and public lands. This includes outer metropolitan Melbourne and regional centres.</p>   |  |  |  |
| <b>Qld</b>  | ..   | <ul style="list-style-type: none"> <li>• <i>Queensland Fire and Emergency Services — was established as a department on 1 November 2013 and is the primary provider of fire and rescue, emergency management and disaster mitigation programs and services throughout Queensland. The department includes the Fire and Rescue Service, the Rural Fire Service and the State Emergency Service</i></li> </ul> | <ul style="list-style-type: none"> <li>• <i>Department of Natural Resources and Mines</i></li> <li>• <i>Department of National Parks, Sport and Racing</i></li> </ul>  |
| <p>Note: On 1 November 2013, Queensland Fire and Emergency Services (QFES) was established. QFES is both the fire service provider and the umbrella organisation for fire and emergency services in Queensland. QFES incorporates parts of the former Queensland Fire and Rescue Service and former Emergency Management Queensland, including the State Emergency Service.</p>   |  |  |  |
| <b>WA</b>   | <ul style="list-style-type: none"> <li>• <i>Department of Fire and Emergency Services (DFES): umbrella authority reports to the Minister for Emergency Services; Corrective Services; Fisheries; Veterans directly.</i></li> </ul> | <ul style="list-style-type: none"> <li>• <i>Department of Parks and Wildlife</i></li> </ul>  |  |
| <p>Note: DFES is both the fire service provider and the umbrella organisation for fire and emergency services in Western Australia. As the primary fire and emergency service in WA, DFES includes the Fire and Rescue Career and Volunteer Service, State Emergency Service, Volunteer Fire and Emergency Service Units and the Volunteer Marine Rescue Services in its operational commands. Bush Fire Brigades are administered by local governments with fires in national parks and reserves the responsibility of the Department of Parks and Wildlife.</p> |  |  |  |

Table 9A.2 **Delivery and scope of activity of primary fire service organisations**

| <i>Fire service organisations (a)</i> |  |  |   |
|---------------------------------------|--|--|---|
| <b>SA</b>                             | <ul style="list-style-type: none"> <li><i>Fire and Emergency Services Commission</i></li> </ul>  | <ul style="list-style-type: none"> <li><i>South Australian Metropolitan Fire Service</i>: body corporate reports to the SA Fire and Emergency Services Commission.</li> <li><i>South Australian Country Fire Service</i>: body corporate reports to the SA Fire and Emergency Services Commission.</li> </ul>  | <ul style="list-style-type: none"> <li><i>Forestry SA</i></li> <li><i>Department of Environment, Water and Natural Resources</i></li> </ul>   |
| <b>Tas</b>                            | ..   | <ul style="list-style-type: none"> <li><i>Tasmania Fire Service</i>: operational arm of the State Fire Commission, reports to the Minister for Police and Emergency Management.</li> </ul>   | <ul style="list-style-type: none"> <li><i>Forestry Tas</i></li> <li><i>Parks and Wildlife Service</i></li> </ul>  |
| <b>ACT</b>                            | <ul style="list-style-type: none"> <li><i>ACT Emergency Services Agency</i> within the <i>Justice and Community Safety Directorate</i></li> </ul>      | <ul style="list-style-type: none"> <li><i>ACT Fire and Rescue</i> and <i>ACT Rural Fire Service</i>: services of the ACT Emergency Services Agency within the Justice and Community Safety Directorate, together report to the ACT Minister for Police and Emergency Services.</li> </ul>  | <ul style="list-style-type: none"> <li><i>Parks and Conservation Service</i></li> </ul>   |
| <b>NT</b>                             | <ul style="list-style-type: none"> <li><i>NT Police, Fire and Emergency Services</i></li> <li><i>Department of Land Resource Management</i></li> </ul> | <ul style="list-style-type: none"> <li><i>NT Fire and Rescue Service</i>: branch of the NT Police, Fire and Emergency Services. The Directors of NT Fire and Rescue Service and NT Emergency Service reports to the Chief Executive Officer for Police, Fire and Emergency Services, who reports to the Minister for Police, Fire and Emergency Services.</li> </ul> | <ul style="list-style-type: none"> <li><i>Department of Land Resource Management</i> — The Chief Fire Control Officer reports to the CEO of Department of Land Resource Management who reports directly to the Minister.</li> <li><i>Parks and Wildlife Commission of the NT</i></li> </ul> |

(a) Excludes brigades employed by large scale public and private land managers; port, mining and other infrastructure brigades; and land management departments and brigades operating under Australian jurisdiction (for example, airport and defence installations).

.. Not applicable.

Source: State and Territory governments (unpublished).

TABLE 9A.3

Table 9A.3 **Scope of 'fire service organisation' data provided by jurisdictions**

|  |   | NSW |     |     | Vic |     |     | Qld |     |     | WA (a) |     |     | SA |     |     | Tas |     |     | ACT |     |     | NT |     |         |
|--|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|---------|
|  |   | UD  | FSP | LMA | UD  | FSP | LMA | UD  | FSP | LMA | UD     | FSP | LMA | UD | FSP | LMA | UD  | FSP | LMA | UD  | FSP | LMA | UD | FSP | LMA (b) |
| <b>Fire service organisation financial data tables</b> |   |     |     |     |     |     |     |     |     |     |        |     |     |    |     |     |     |     |     |     |     |     |    |     |         |
| Table 9A.4   | Major sources of fire service organisations revenue   | x   | ✓   | ✓   | x   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | x  | ✓   | x   | x   | ✓   | ✓   | x   | ✓   | x   | x  | ✓   | ✓       |
| Table 9A.5   | Fire service organisations human resources  | x   | ✓   | ✓   | x   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | x  | ✓   | x   | x   | ✓   | x   | ✓   | ✓   | ✓   | x  | ✓   | ✓       |
| Table 9A.28  | Fire service organisations' costs   | x   | ✓   | ✓   | x   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | x  | ✓   | x   | x   | ✓   | ✓   | x   | ✓   | ✓   | x  | ✓   | ✓       |
| Table 9A.29  | Fire service organisations' expenditure per person  | x   | ✓   | ✓   | x   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | x  | ✓   | x   | x   | ✓   | ✓   | x   | ✓   | ✓   | x  | ✓   | ✓       |
| Table 9A.30  | Fire service organisations' funding per person  | x   | ✓   | ✓   | x   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | x  | ✓   | x   | x   | ✓   | ✓   | x   | ✓   | ✓   | x  | ✓   | ✓       |
| <b>Fire service organisation activity data tables</b>  |   |     |     |     |     |     |     |     |     |     |        |     |     |    |     |     |     |     |     |     |     |     |    |     |         |
| Table 9A.1   | All activities of fire service organisations  | ✓   | ✓   | ✓   | ..  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓       |
| Table 9A.2   | Delivery and scope of activity of primary fire service organisations  | ✓   | ✓   | ✓   | ..  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓       |
| Table 9A.10  | Confinement of building fires to room of origin   | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.11  | Confinement of building and other structure fires to room/object of origin  | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.14  | Fire incidents attended by fire service organisations   | ..  | ✓   | ✓   | ..  | ✓   | ✓   | ..  | ✓   | ✓   | ..     | ✓   | ✓   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.15  | Accidental residential structure fires reported to fire service organisations                                     | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.16  | Fire service organisations and land management agencies reported total landscape fires (bush and grass) incidents | ..  | ✓   | ✓   | ..  | ✓   | ✓   | ..  | ✓   | x   | ..     | ✓   | ✓   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.17  | Ignition factors for structure fires  | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.18  | Hazardous materials incidents   | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |

TABLE 9A.3

Table 9A.3 **Scope of 'fire service organisation' data provided by jurisdictions**

|             |   | NSW |     |     | Vic |     |     | Qld |     |     | WA (a) |     |     | SA |     |     | Tas |     |     | ACT |     |     | NT |     |         |
|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|---------|
|             |   | UD  | FSP | LMA | UD  | FSP | LMA | UD  | FSP | LMA | UD     | FSP | LMA | UD | FSP | LMA | UD  | FSP | LMA | UD  | FSP | LMA | UD | FSP | LMA (b) |
| Table 9A.19 | Reported road crash rescue incidents  | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.20 | Reported road crash rescue extrications   | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.21 | Prevention activities of fire service organisations   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓       |
| Table 9A.22 | Selected fire risk management/mitigation strategies   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓      | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓       |
| Table 9A.25 | Number of structure fires, by remoteness area   | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.26 | Structure fire response times to structure fires, <i>including</i> call taking time, by remoteness area | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |
| Table 9A.27 | Structure fire response times to structure fires, <i>excluding</i> call taking time, by remoteness area | ..  | ✓   | ✓   | ..  | ✓   | x   | ..  | ✓   | x   | ..     | ✓   | x   | .. | ✓   | x   | ..  | ✓   | x   | ..  | ✓   | x   | .. | ✓   | ✓       |

**UD** = Umbrella department    **FSP** = Fire service provider    **LMA** = Land management agency

(a) WA: DFES provides a wide range of emergency services under an integrated management structure. Data cannot be segregated by service and includes State Emergency Service and volunteer marine services as well as fire.

(b) NT provide data for Bushfires NT, but not other land management agencies

.. Not applicable.

Source: State and Territory governments (unpublished).



TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2015-16</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | 5.8            | na             | 4.0          | 4.2          | 3.1          | 1.4          | –            | 1.0          | 19.6           |
| State/Territory                 | \$m        | 153.8          | 499.9          | 67.8         | 50.8         | 0.7          | 36.3         | 63.8         | 31.2         | 904.4          |
| Local                           | \$m        | 109.8          | –              | –            | 0.7          | –            | –            | –            | –            | 110.5          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>269.4</b>   | <b>499.9</b>   | <b>71.9</b>  | <b>55.7</b>  | <b>3.8</b>   | <b>37.8</b>  | <b>63.8</b>  | <b>32.2</b>  | <b>1 034.5</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 691.5          | ..             | –            | –            | –            | 16.6         | –            | –            | 708.1          |
| On property owners              | \$m        | –              | 640.0          | 457.4        | 323.3        | 210.8        | 38.9         | –            | –            | 1 670.4        |
| <b>Total levies</b>             | <b>\$m</b> | <b>691.5</b>   | <b>640.0</b>   | <b>457.4</b> | <b>323.3</b> | <b>210.8</b> | <b>55.5</b>  | <b>–</b>     | <b>–</b>     | <b>2 378.5</b> |
| User charges                    | \$m        | 42.2           | 56.0           | 53.4         | 9.8          | 6.0          | 10.9         | –            | 2.6          | 180.9          |
| Miscellaneous revenue           | \$m        | 49.1           | 20.8           | 19.4         | 6.6          | 1.6          | 32.3         | 5.3          | –            | 135.0          |
| Indirect government funding     | \$m        | –              | 4.7            | –            | –            | –            | –            | –            | –            | 4.7            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 052.1</b> | <b>1 221.3</b> | <b>602.1</b> | <b>395.3</b> | <b>222.2</b> | <b>136.5</b> | <b>69.1</b>  | <b>34.8</b>  | <b>3 733.5</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 25.6           | 40.9           | 11.9         | 14.1         | 1.7          | 27.7         | 92.3         | 92.5         | 27.7           |
| Levies                          | %          | 65.7           | 52.4           | 76.0         | 81.8         | 94.9         | 40.7         | –            | –            | 63.7           |
| User charges                    | %          | 4.0            | 4.6            | 8.9          | 2.5          | 2.7          | 8.0          | –            | 7.5          | 4.8            |
| Miscellaneous revenue           | %          | 4.7            | 1.7            | 3.2          | 1.7          | 0.7          | 23.7         | 7.7          | –            | 3.6            |
| Indirect government funds       | %          | –              | 0.4            | –            | –            | –            | –            | –            | –            | 0.1            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2014-15</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | 4.2            | –              | 4.2          | 4.8          | 3.4          | 1.7          | –            | 0.5          | 18.8           |
| State/Territory                 | \$m        | 172.5          | 469.3          | 78.5         | 57.1         | 1.8          | 4.8          | 64.9         | 39.1         | 888.0          |
| Local                           | \$m        | 106.2          | –              | –            | 1.9          | –            | –            | –            | –            | 108.0          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>282.9</b>   | <b>469.3</b>   | <b>82.7</b>  | <b>63.7</b>  | <b>5.2</b>   | <b>6.5</b>   | <b>64.9</b>  | <b>39.7</b>  | <b>1 014.8</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 669.3          | 2.0            | –            | –            | –            | 17.4         | –            | –            | 688.8          |
| On property owners              | \$m        | –              | 602.5          | 446.2        | 296.8        | 203.0        | 37.8         | –            | –            | 1 586.2        |
| <b>Total levies</b>             | <b>\$m</b> | <b>669.3</b>   | <b>604.5</b>   | <b>446.2</b> | <b>296.8</b> | <b>203.0</b> | <b>55.2</b>  | <b>–</b>     | <b>–</b>     | <b>2 275.0</b> |
| User charges                    | \$m        | 41.6           | 69.1           | 55.0         | 9.6          | 5.8          | 11.3         | –            | –            | 192.4          |
| Miscellaneous revenue           | \$m        | 50.2           | 18.3           | 53.4         | 4.0          | 3.3          | 2.7          | 4.9          | –            | 137.0          |
| Indirect government funding     | \$m        | –              | 5.4            | –            | –            | –            | –            | –            | –            | 5.4            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 044.0</b> | <b>1 166.6</b> | <b>637.4</b> | <b>374.2</b> | <b>217.3</b> | <b>75.7</b>  | <b>69.9</b>  | <b>39.7</b>  | <b>3 624.6</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 27.1           | 40.2           | 13.0         | 17.0         | 2.4          | 8.5          | 92.9         | 100.0        | 28.0           |
| Levies                          | %          | 64.1           | 51.8           | 70.0         | 79.3         | 93.4         | 72.9         | –            | –            | 62.8           |
| User charges                    | %          | 4.0            | 5.9            | 8.6          | 2.6          | 2.7          | 15.0         | –            | –            | 5.3            |
| Miscellaneous revenue           | %          | 4.8            | 1.6            | 8.4          | 1.1          | 1.5          | 3.6          | 7.1          | –            | 3.8            |
| Indirect government funds       | %          | –              | 0.5            | –            | –            | –            | –            | –            | –            | 0.1            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2013-14</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | 4.8            | –              | 3.8          | 4.6          | 3.1          | 1.4          | –            | 0.2          | 18.0           |
| State/Territory                 | \$m        | 267.1          | 506.1          | 105.0        | 53.9         | 7.8          | 5.2          | 61.3         | 33.5         | 1 039.9        |
| Local                           | \$m        | 107.2          | –              | –            | 0.9          | –            | –            | –            | –            | 108.1          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>379.1</b>   | <b>506.1</b>   | <b>108.7</b> | <b>59.4</b>  | <b>10.9</b>  | <b>6.7</b>   | <b>61.3</b>  | <b>33.7</b>  | <b>1 166.0</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 669.7          | 5.8            | –            | –            | –            | 18.3         | –            | –            | 693.7          |
| On property owners              | \$m        | 6.8            | 652.8          | 404.3        | 282.7        | 195.0        | 36.2         | –            | –            | 1 577.8        |
| <b>Total levies</b>             | <b>\$m</b> | <b>676.5</b>   | <b>658.6</b>   | <b>404.3</b> | <b>282.7</b> | <b>195.0</b> | <b>54.4</b>  | <b>–</b>     | <b>–</b>     | <b>2 271.6</b> |
| User charges                    | \$m        | 37.1           | 49.3           | 51.9         | 8.0          | 6.4          | 13.2         | –            | –            | 165.9          |
| Miscellaneous revenue           | \$m        | 47.9           | 17.7           | 79.0         | 3.0          | 2.8          | 2.4          | 3.7          | –            | 156.6          |
| Indirect government funding     | \$m        | –              | 7.0            | –            | –            | –            | –            | –            | –            | 7.0            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 140.6</b> | <b>1 238.6</b> | <b>644.0</b> | <b>353.2</b> | <b>215.1</b> | <b>76.7</b>  | <b>65.0</b>  | <b>33.7</b>  | <b>3 767.0</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 33.2           | 40.9           | 16.9         | 16.8         | 5.1          | 8.7          | 94.3         | 100.0        | 31.0           |
| Levies                          | %          | 59.3           | 53.2           | 62.8         | 80.1         | 90.7         | 70.9         | –            | –            | 60.3           |
| User charges                    | %          | 3.3            | 4.0            | 8.1          | 2.3          | 3.0          | 17.2         | –            | –            | 4.4            |
| Miscellaneous revenue           | %          | 4.2            | 1.4            | 12.3         | 0.9          | 1.3          | 3.2          | 5.7          | –            | 4.2            |
| Indirect government funds       | %          | –              | 0.6            | –            | –            | –            | –            | –            | –            | 0.2            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2012-13</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | 4.5            | 3.0            | 5.0          | 6.7          | 3.4          | 1.5          | –            | 0.2          | 24.3           |
| State/Territory                 | \$m        | 231.8          | 492.2          | 101.3        | 97.5         | –            | 17.3         | 59.5         | 48.3         | 1 047.9        |
| Local                           | \$m        | 105.1          | 39.7           | –            | 0.4          | –            | –            | –            | –            | 145.2          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>341.4</b>   | <b>534.9</b>   | <b>106.3</b> | <b>104.5</b> | <b>3.4</b>   | <b>18.8</b>  | <b>59.5</b>  | <b>48.5</b>  | <b>1 217.4</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 651.8          | 593.6          | –            | –            | –            | 18.0         | –            | –            | 1 263.5        |
| On property owners              | \$m        | 9.1            | 5.7            | 364.6        | 262.9        | 175.8        | 35.2         | –            | –            | 853.3          |
| <b>Total levies</b>             | <b>\$m</b> | <b>660.9</b>   | <b>599.3</b>   | <b>364.6</b> | <b>262.9</b> | <b>175.8</b> | <b>53.2</b>  | <b>–</b>     | <b>–</b>     | <b>2 116.8</b> |
| User charges                    | \$m        | 27.6           | 33.8           | 51.3         | 7.5          | 5.2          | 10.5         | –            | 2.7          | 138.7          |
| Miscellaneous revenue           | \$m        | 33.9           | 31.6           | 6.6          | 5.5          | 2.7          | 4.9          | 4.6          | –            | 89.7           |
| Indirect government funding     | \$m        | –              | 3.6            | –            | –            | –            | –            | –            | –            | 3.6            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 063.8</b> | <b>1 203.1</b> | <b>528.8</b> | <b>380.5</b> | <b>187.1</b> | <b>87.5</b>  | <b>64.2</b>  | <b>51.2</b>  | <b>3 566.1</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 32.1           | 44.5           | 20.1         | 27.5         | 1.8          | 21.5         | 92.8         | 94.7         | 34.1           |
| Levies                          | %          | 62.1           | 49.8           | 68.9         | 69.1         | 94.0         | 60.9         | –            | –            | 59.4           |
| User charges                    | %          | 2.6            | 2.8            | 9.7          | 2.0          | 2.8          | 12.1         | –            | 5.3          | 3.9            |
| Miscellaneous revenue           | %          | 3.2            | 2.6            | 1.2          | 1.4          | 1.4          | 5.5          | 7.2          | –            | 2.5            |
| Indirect government funds       | %          | –              | 0.3            | –            | –            | –            | –            | –            | –            | 0.1            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2011-12</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | 6.2            | 4.5            | 5.2          | 8.7          | 3.5          | 1.4          | –            | –            | 29.6           |
| State/Territory                 | \$m        | 139.2          | 398.3          | 115.9        | 161.3        | –            | 5.1          | 54.4         | 35.8         | 910.0          |
| Local                           | \$m        | 108.3          | 40.7           | –            | 1.4          | –            | –            | –            | –            | 150.4          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>253.6</b>   | <b>443.5</b>   | <b>121.1</b> | <b>171.4</b> | <b>3.5</b>   | <b>6.5</b>   | <b>54.4</b>  | <b>35.8</b>  | <b>1 089.9</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 700.1          | 703.4          | –            | –            | –            | 18.7         | –            | –            | 1 422.2        |
| On property owners              | \$m        | 0.5            | 7.1            | 354.2        | 248.0        | 179.2        | 34.4         | –            | –            | 823.4          |
| <b>Total levies</b>             | <b>\$m</b> | <b>700.7</b>   | <b>710.6</b>   | <b>354.2</b> | <b>248.0</b> | <b>179.2</b> | <b>53.1</b>  | <b>–</b>     | <b>–</b>     | <b>2 245.7</b> |
| User charges                    | \$m        | 28.5           | 38.1           | 57.1         | 6.5          | 5.5          | 10.5         | 11.0         | 2.7          | 160.0          |
| Miscellaneous revenue           | \$m        | 34.0           | 44.8           | 3.8          | 10.6         | 2.5          | 2.7          | 3.3          | 0.1          | 101.8          |
| Indirect government funding     | \$m        | –              | 5.5            | –            | –            | –            | –            | –            | –            | 5.5            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 016.8</b> | <b>1 242.5</b> | <b>536.3</b> | <b>436.6</b> | <b>190.6</b> | <b>72.8</b>  | <b>68.7</b>  | <b>38.6</b>  | <b>3 602.9</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 24.9           | 35.7           | 22.6         | 39.3         | 1.9          | 8.9          | 79.2         | 92.7         | 30.3           |
| Levies                          | %          | 68.9           | 57.2           | 66.0         | 56.8         | 94.0         | 72.9         | –            | –            | 62.3           |
| User charges                    | %          | 2.8            | 3.1            | 10.6         | 1.5          | 2.9          | 14.4         | 16.1         | 7.0          | 4.4            |
| Miscellaneous revenue           | %          | 3.3            | 3.6            | 0.7          | 2.4          | 1.3          | 3.7          | 4.8          | 0.2          | 2.8            |
| Indirect government funds       | %          | –              | 0.4            | –            | –            | –            | –            | –            | –            | 0.2            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2010-11</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | 0.8            | 8.5            | 9.0          | 7.8          | 3.4          | 1.4          | –            | –            | 30.9           |
| State/Territory                 | \$m        | 197.7          | 369.0          | 121.8        | 168.4        | –            | 5.2          | 41.4         | 29.1         | 932.7          |
| Local                           | \$m        | 108.1          | 39.0           | –            | 1.4          | –            | –            | –            | –            | 148.4          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>306.7</b>   | <b>416.5</b>   | <b>130.8</b> | <b>177.6</b> | <b>3.4</b>   | <b>6.6</b>   | <b>41.4</b>  | <b>29.1</b>  | <b>1 112.0</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 683.8          | 586.2          | –            | –            | –            | 17.8         | –            | –            | 1 287.8        |
| On property owners              | \$m        | 0.6            | 5.9            | 341.3        | 238.1        | 170.1        | 34.1         | –            | –            | 790.0          |
| <b>Total levies</b>             | <b>\$m</b> | <b>684.4</b>   | <b>592.1</b>   | <b>341.3</b> | <b>238.1</b> | <b>170.1</b> | <b>51.9</b>  | <b>–</b>     | <b>–</b>     | <b>2 077.8</b> |
| User charges                    | \$m        | 16.0           | 33.8           | 55.7         | 5.4          | 4.5          | 10.5         | 10.7         | 2.9          | 139.6          |
| Miscellaneous revenue           | \$m        | 35.7           | 43.3           | 5.2          | 9.8          | 3.0          | 1.6          | 1.7          | 0.1          | 100.3          |
| Indirect government funding     | \$m        | –              | 4.4            | –            | –            | –            | –            | –            | –            | 4.4            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 042.8</b> | <b>1 090.2</b> | <b>533.0</b> | <b>430.8</b> | <b>181.0</b> | <b>70.6</b>  | <b>53.8</b>  | <b>32.1</b>  | <b>3 434.2</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 29.4           | 38.2           | 24.5         | 41.2         | 1.9          | 9.4          | 76.9         | 90.8         | 32.4           |
| Levies                          | %          | 65.6           | 54.3           | 64.0         | 55.3         | 93.9         | 73.4         | –            | –            | 60.5           |
| User charges                    | %          | 1.5            | 3.1            | 10.5         | 1.3          | 2.5          | 14.9         | 19.8         | 9.0          | 4.1            |
| Miscellaneous revenue           | %          | 3.4            | 4.0            | 1.0          | 2.3          | 1.7          | 2.3          | 3.2          | 0.2          | 2.9            |
| Indirect government funds       | %          | –              | 0.4            | –            | –            | –            | –            | –            | –            | 0.1            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2009-10</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | –              | 4.5            | 6.7          | 11.7         | 4.0          | 1.0          | –            | 0.2          | 28.0           |
| State/Territory                 | \$m        | 230.2          | 336.8          | 110.6        | 53.7         | –            | 7.3          | 44.6         | 26.7         | 810.0          |
| Local                           | \$m        | 96.5           | 39.4           | –            | 1.0          | –            | –            | –            | –            | 136.8          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>326.7</b>   | <b>380.7</b>   | <b>117.3</b> | <b>66.5</b>  | <b>4.0</b>   | <b>8.3</b>   | <b>44.6</b>  | <b>26.9</b>  | <b>974.9</b>   |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 593.2          | 607.1          | –            | –            | –            | 19.5         | –            | –            | 1 219.8        |
| On property owners              | \$m        | 70.2           | 9.3            | 345.5        | 206.3        | 185.3        | 34.2         | –            | –            | 850.7          |
| <b>Total levies</b>             | <b>\$m</b> | <b>663.3</b>   | <b>616.3</b>   | <b>345.5</b> | <b>206.3</b> | <b>185.3</b> | <b>53.7</b>  | <b>–</b>     | <b>–</b>     | <b>2 070.5</b> |
| User charges                    | \$m        | 16.0           | 48.5           | 43.4         | 4.5          | 4.3          | 13.2         | 10.5         | 2.6          | 143.1          |
| Miscellaneous revenue           | \$m        | 43.4           | 35.1           | 5.9          | 7.3          | 2.9          | 3.4          | 4.7          | 0.1          | 102.8          |
| Indirect government funding     | \$m        | –              | 6.0            | –            | –            | –            | –            | –            | –            | 6.0            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 049.4</b> | <b>1 086.7</b> | <b>512.0</b> | <b>284.6</b> | <b>196.5</b> | <b>78.5</b>  | <b>59.9</b>  | <b>29.6</b>  | <b>3 297.3</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 31.1           | 35.0           | 22.9         | 23.4         | 2.0          | 10.5         | 74.5         | 90.9         | 29.6           |
| Levies                          | %          | 63.2           | 56.7           | 67.5         | 72.5         | 94.3         | 68.4         | –            | –            | 62.8           |
| User charges                    | %          | 1.5            | 4.5            | 8.5          | 1.6          | 2.2          | 16.8         | 17.6         | 8.8          | 4.3            |
| Miscellaneous revenue           | %          | 4.1            | 3.2            | 1.1          | 2.6          | 1.5          | 4.3          | 7.9          | 0.3          | 3.1            |
| Indirect government funds       | %          | –              | 0.6            | –            | –            | –            | –            | –            | –            | 0.2            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>     | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)            | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2008-09</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |                |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |                |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | –              | 4.0            | 5.4          | 6.1          | 4.4          | 0.7          | 0.9          | 0.3          | 21.8           |
| State/Territory                 | \$m        | 189.6          | 776.0          | 87.2         | 52.4         | –            | 5.7          | 46.6         | 25.3         | 1 182.6        |
| Local                           | \$m        | 70.7           | 38.8           | –            | 0.9          | –            | –            | –            | –            | 110.4          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>260.3</b>   | <b>818.7</b>   | <b>92.6</b>  | <b>59.4</b>  | <b>4.4</b>   | <b>6.3</b>   | <b>47.5</b>  | <b>25.6</b>  | <b>1 314.8</b> |
| <b>Levies</b>                   |            |                |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 619.9          | 514.0          | –            | –            | –            | 18.3         | –            | –            | 1 152.2        |
| On property owners              | \$m        | 103.8          | 10.0           | 332.7        | 198.7        | 189.9        | 33.5         | –            | –            | 868.5          |
| <b>Total levies</b>             | <b>\$m</b> | <b>723.7</b>   | <b>523.9</b>   | <b>332.7</b> | <b>198.7</b> | <b>189.9</b> | <b>51.8</b>  | <b>–</b>     | <b>–</b>     | <b>2 020.7</b> |
| User charges                    | \$m        | 16.7           | 40.9           | 38.3         | 4.4          | 5.5          | 10.1         | 9.8          | 2.6          | 128.2          |
| Miscellaneous revenue           | \$m        | 47.7           | 18.8           | 7.8          | 10.2         | 5.5          | 2.7          | 1.1          | –            | 93.7           |
| Indirect government funding     | \$m        | –              | 13.0           | –            | –            | –            | –            | 1.1          | –            | 14.1           |
| <b>Total revenue</b>            | <b>\$m</b> | <b>1 048.4</b> | <b>1 415.3</b> | <b>471.4</b> | <b>272.6</b> | <b>205.2</b> | <b>70.9</b>  | <b>59.5</b>  | <b>28.2</b>  | <b>3 571.6</b> |
| <b>Percent of total revenue</b> |            |                |                |              |              |              |              |              |              |                |
| Government grants               | %          | 24.8           | 57.8           | 19.6         | 21.8         | 2.1          | 9.0          | 79.8         | 90.8         | 36.8           |
| Levies                          | %          | 69.0           | 37.0           | 70.6         | 72.9         | 92.5         | 73.0         | –            | –            | 56.6           |
| User charges                    | %          | 1.6            | 2.9            | 8.1          | 1.6          | 2.7          | 14.3         | 16.5         | 9.2          | 3.6            |
| Miscellaneous revenue           | %          | 4.5            | 1.3            | 1.7          | 3.7          | 2.7          | 3.8          | 1.8          | 0.1          | 2.6            |
| Indirect government funds       | %          | –              | 0.9            | –            | –            | –            | –            | 1.9          | –            | 0.4            |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b>   | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |



TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>   | <i>Vic</i>   | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)          | (c)          | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2007-08</b>                  |            |              |              |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |              |              |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |              |              |              |              |              |              |              |              |                |
| Australian                      | \$m        | –            | 3.9          | 6.0          | 7.3          | 6.0          | 1.5          | –            | 1.8          | 26.6           |
| State/Territory                 | \$m        | 124.6        | 309.5        | 79.3         | 59.0         | –            | 6.8          | 47.6         | 18.8         | 645.6          |
| Local                           | \$m        | 78.6         | 38.9         | –            | 4.4          | –            | –            | –            | –            | 121.8          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>203.1</b> | <b>352.3</b> | <b>85.4</b>  | <b>70.6</b>  | <b>6.0</b>   | <b>8.4</b>   | <b>47.6</b>  | <b>20.7</b>  | <b>794.1</b>   |
| <b>Levies</b>                   |            |              |              |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 636.5        | 490.7        | –            | –            | –            | 18.1         | –            | –            | 1 145.3        |
| On property owners              | \$m        | 32.3         | 11.9         | 319.4        | 196.7        | 186.1        | 33.1         | –            | –            | 779.6          |
| <b>Total levies</b>             | <b>\$m</b> | <b>668.8</b> | <b>502.6</b> | <b>319.4</b> | <b>196.7</b> | <b>186.1</b> | <b>51.2</b>  | <b>–</b>     | <b>–</b>     | <b>1 924.9</b> |
| User charges                    | \$m        | 16.1         | 38.3         | 32.4         | 5.3          | 6.4          | 8.3          | 10.3         | 2.4          | 119.4          |
| Miscellaneous revenue           | \$m        | 49.9         | 35.0         | 5.1          | 11.3         | 4.2          | 1.8          | 1.4          | 0.4          | 109.1          |
| Indirect government funding     | \$m        | –            | –            | –            | –            | –            | –            | –            | –            | –              |
| <b>Total revenue</b>            | <b>\$m</b> | <b>937.9</b> | <b>928.2</b> | <b>442.3</b> | <b>284.0</b> | <b>202.7</b> | <b>69.7</b>  | <b>59.3</b>  | <b>23.5</b>  | <b>2 947.5</b> |
| <b>Percent of total revenue</b> |            |              |              |              |              |              |              |              |              |                |
| Government grants               | %          | 21.7         | 38.0         | 19.3         | 24.9         | 3.0          | 12.0         | 80.3         | 88.0         | 26.9           |
| Levies                          | %          | 71.3         | 54.1         | 72.2         | 69.3         | 91.8         | 73.5         | –            | –            | 65.3           |
| User charges                    | %          | 1.7          | 4.1          | 7.3          | 1.9          | 3.1          | 11.9         | 17.4         | 10.3         | 4.0            |
| Miscellaneous revenue           | %          | 5.3          | 3.8          | 1.2          | 4.0          | 2.1          | 2.6          | 2.4          | 1.7          | 3.7            |
| Indirect government funds       | %          | –            | –            | –            | –            | –            | –            | –            | –            | –              |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

TABLE 9A.4

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                                 |            | <i>NSW</i>   | <i>Vic</i>     | <i>Qld</i>   | <i>WA</i>    | <i>SA</i>    | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i>    | <i>Total</i>   |
|---------------------------------|------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                 |            | (c)          | (c)            | (c)          | (c)          | (c)          |              | (c)          | (c)          |                |
| <b>2006-07</b>                  |            |              |                |              |              |              |              |              |              |                |
| <b>Revenue</b>                  |            |              |                |              |              |              |              |              |              |                |
| <b>Government grants</b>        |            |              |                |              |              |              |              |              |              |                |
| Australian                      | \$m        | –            | 8.9            | 6.1          | 5.9          | 0.7          | 0.6          | –            | 0.4          | 22.6           |
| State/Territory                 | \$m        | 215.7        | 489.8          | 73.3         | 75.4         | 0.4          | 8.8          | 45.4         | 24.1         | 933.0          |
| Local                           | \$m        | 75.6         | 39.1           | –            | 2.1          | –            | –            | –            | –            | 116.7          |
| <b>Total government grants</b>  | <b>\$m</b> | <b>291.2</b> | <b>537.8</b>   | <b>79.5</b>  | <b>83.4</b>  | <b>1.2</b>   | <b>9.5</b>   | <b>45.4</b>  | <b>24.5</b>  | <b>1 072.4</b> |
| <b>Levies</b>                   |            |              |                |              |              |              |              |              |              |                |
| On insurance companies          | \$m        | 609.0        | 468.7          | –            | –            | –            | 16.5         | –            | –            | 1 094.2        |
| On property owners              | \$m        | 28.5         | 11.3           | 320.5        | 185.9        | 176.9        | 31.3         | –            | –            | 754.3          |
| <b>Total levies</b>             | <b>\$m</b> | <b>637.5</b> | <b>480.0</b>   | <b>320.5</b> | <b>185.9</b> | <b>176.9</b> | <b>47.8</b>  | <b>–</b>     | <b>–</b>     | <b>1 848.5</b> |
| User charges                    | \$m        | 16.4         | 27.6           | 30.2         | 5.0          | 4.3          | 8.4          | 11.0         | 2.5          | 105.4          |
| Miscellaneous revenue           | \$m        | 40.4         | 86.8           | 7.4          | 15.6         | 4.1          | 2.3          | 7.5          | 1.0          | 165.1          |
| Indirect government funding     | \$m        | –            | –              | –            | –            | –            | –            | 0.3          | –            | 0.3            |
| <b>Total revenue</b>            | <b>\$m</b> | <b>985.5</b> | <b>1 132.1</b> | <b>437.5</b> | <b>289.9</b> | <b>186.5</b> | <b>68.0</b>  | <b>64.2</b>  | <b>28.0</b>  | <b>3 191.7</b> |
| <b>Percent of total revenue</b> |            |              |                |              |              |              |              |              |              |                |
| Government grants               | %          | 29.6         | 47.5           | 18.2         | 28.8         | 0.6          | 13.9         | 70.8         | 87.3         | 33.6           |
| Levies                          | %          | 64.7         | 42.4           | 73.3         | 64.1         | 94.9         | 70.3         | –            | –            | 57.9           |
| User charges                    | %          | 1.7          | 2.4            | 6.9          | 1.7          | 2.3          | 12.4         | 17.1         | 9.0          | 3.3            |
| Miscellaneous revenue           | %          | 4.1          | 7.7            | 1.7          | 5.4          | 2.2          | 3.4          | 11.7         | 3.6          | 5.2            |
| Indirect government funds       | %          | –            | –              | –            | –            | –            | –            | 0.4          | –            | –              |
| <b>Total</b>                    | <b>%</b>   | <b>100.0</b> | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>   |

(a) Time series financial data are adjusted to 2015-16 dollars using the General Government Final Consumption Expenditure (GGFCE) chain price deflator (2015-16 = 100) (table 2A.48).

(b) Figures vary from year to year as a result of abnormal expenditure related to the response to specific major emergencies.

(c) Jurisdiction notes:

NSW: From 2009-10 data include funding for the Department of Environment, Climate Change and Water.

Table 9A.4 Major sources of fire service organisations revenue (2015-16 dollars) (a), (b)

|                | <i>NSW</i>   | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Total</i> |
|----------------|--|------------|------------|-----------|-----------|------------|------------|-----------|--------------|
|                | (c)  | (c)        | (c)        | (c)       | (c)       |            | (c)        | (c)       |              |
| <b>Vic:</b>    | <p>The proportions of principal funding contributions from State Governments, local governments and insurance companies are established in legislation. The actual proportions received may vary as a result of the level of income from user charges and other income sources.</p> <p>2008-09 data include a significant increase in government grants due to emergency funding arising from the Black Saturday Bushfires.</p> <p>From 2006-07 data include funding and expenditure for the Department of Environment and Primary Industries (DEPI) (formerly Department of Sustainability and Environment (DSE)).</p> <p>Fire levies on property owners are sourced from the Department of Treasury and Finance.</p>   |            |            |           |           |            |            |           |              |
| <b>Qld:</b>    | <p>Revenue represents funding for the Queensland Fire and Emergency Services (excluding State Emergency Service costs) following the transfer of some functions and assets to the Public Safety Business Agency on 1 November 2013. The 2014-15 results reflect the first full year following the transfers. In addition, from 1 July 2014 the Office of the Inspector General Emergency Management is no longer part of the Queensland Fire and Emergency Services and is reported as a separate entity. The 2015-16 and 2014-15 results are therefore not comparable to prior years.</p>   |            |            |           |           |            |            |           |              |
| <b>WA:</b>     | <p>DFES provides a wide range of emergency services under an integrated management structure. From 2006-07 data are not segregated by service and include funding related to delivery of other emergency services including SES and volunteer marine rescue. Revenue also includes funding related to Wildfire Suppression and Western Australia Natural Disaster Relief and Recovery Arrangements (WANDRRA). WANDRRA administered income is not included in DFES financial statements post 2012-13. Fire levies include a property-based Emergency Services Levy (ESL) introduced in 2003. The ESL provides for the delivery of all emergency services except for volunteer marine rescue. Data cannot be segregated by service and includes State Emergency Service and volunteer marine services as well as fire. Data for the Department of Parks and Wildlife are not included.</p> |            |            |           |           |            |            |           |              |
| <b>SA:</b>     | <p>The major source of revenue for the SA Metropolitan Fire Service and SA Country Fire Service is the Community Emergency Services Fund, which is funded by the Emergency Services Levy.</p> <p>Commonwealth government revenue is for aerial firefighting and the protection of Commonwealth properties.</p>   |            |            |           |           |            |            |           |              |
| <b>ACT:</b>    | <p>In 2012-13 revenue previously reported as Fire User Charges has been allocated to Government Grant due to changes in underlying service arrangement.</p> <p>In 2006-07 funding is included under miscellaneous revenue for the placement of an Ericson sky crane in the ACT as part of the National Aerial Firefighting Strategy.</p> <p>The increase from 2004-05 to 2005-06 is due to a significant upgrade of Emergency Services Communications systems and inclusion of Joint Emergency Services Training Costs.</p>  |            |            |           |           |            |            |           |              |
| <b>NT:</b>     | <p>2013-14 data include a Bushfires NT Commonwealth grant of \$200k from NAFC to subsidise aerial firefighting costs.</p> <p>– Nil or rounded to zero.</p>   |            |            |           |           |            |            |           |              |
| <b>Source:</b> | <p>State and Territory Governments (unpublished); ABS 2016, Australian National Accounts: National Income, Expenditure and Product, June 2016, Cat. no. 5206.0, Canberra (table 2A.48).</p>  |            |            |           |           |            |            |           |              |

TABLE 9A.5

Table 9A.5 Fire service organisations human resources (a), (b)

|   | <i>Unit</i> | <i>NSW</i><br>(c) | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i><br>(c) | <i>Aust</i>    |
|---|-------------|-------------------|-------------------|-------------------|------------------|------------------|--------------|--------------|------------------|----------------|
| <b>2015-16</b>                                      |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                              |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 448             | 3 742             | 2 271             | 983              | 868              | 287          | 354          | 207              | 12 159         |
| Part time & other                                   | FTE         | 640               | 1 185             | 297               | 135              | 22               | –            | –            | 52               | 2 331          |
| By age group  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Under 30 years                                      | no.         | 320               | 257               | 174               | 93               | 78               | 13           | 26           | 41               | 1 001          |
| 30–39 years   | no.         | 922               | 811               | 567               | 299              | 250              | 67           | 83           | 86               | 3 085          |
| 40–49 years   | no.         | 1 478             | 726               | 851               | 348              | 337              | 121          | 111          | 83               | 4 055          |
| 50–59 years   | no.         | 1 182             | 972               | 816               | 328              | 381              | 73           | 122          | 39               | 3 913          |
| 60 or over years                                    | no.         | 186               | 170               | 159               | 50               | 103              | 13           | 12           | 10               | 703            |
| Total   | no.         | 4 088             | 2 935             | 2 568             | 1 118            | 1 149            | 287          | 354          | 259              | 12 757         |
| Support workforce                                   | FTE         | 1 344             | 1 715             | 556               | 411              | 194              | 137          | 113          | 19               | 4 489          |
| Total   | FTE         | 5 432             | 6 642             | 3 124             | 1 529            | 1 084            | 424          | 467          | 278              | 18 979         |
| <b>Firefighting workforce, attrition</b>            | <b>%</b>    | <b>1.4</b>        | <b>0.1</b>        | <b>3.6</b>        | <b>1.8</b>       | <b>6.8</b>       | <b>2.1</b>   | <b>2.8</b>   | <b>6.1</b>       | <b>1.8</b>     |
| <b>Firefighting workforce (proportion of total)</b> | <b>%</b>    | <b>75.3</b>       | <b>74.2</b>       | <b>82.2</b>       | <b>73.1</b>      | <b>82.1</b>      | <b>67.7</b>  | <b>75.8</b>  | <b>93.2</b>      | <b>76.3</b>    |
| <b>Volunteers (b)</b>                               | <b>no.</b>  | <b>89 219</b>     | <b>57 214</b>     | <b>36 023</b>     | <b>23 252</b>    | <b>13 968</b>    | <b>5 093</b> | <b>1 444</b> | <b>296</b>       | <b>226 509</b> |
| <b>2014-15</b>                                      |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                              |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 415             | 3 571             | 2 214             | 963              | 862              | 306          | 351          | 218              | 11 900         |
| Part time & other                                   | FTE         | 699               | 1 161             | 298               | 139              | 22               | –            | –            | 65               | 2 384          |
| Total   | FTE         | 4 114             | 4 732             | 2 512             | 1 102            | 884              | 306          | 351          | 283              | 14 284         |
| Support workforce                                   | FTE         | 1 254             | 1 893             | 532               | 403              | 182              | 176          | 105          | 24               | 4 569          |
| <b>Total</b>  | <b>FTE</b>  | <b>5 368</b>      | <b>6 625</b>      | <b>3 044</b>      | <b>1 505</b>     | <b>1 066</b>     | <b>482</b>   | <b>456</b>   | <b>307</b>       | <b>18 853</b>  |

TABLE 9A.5

Table 9A.5 Fire service organisations human resources (a), (b)

|   | <i>Unit</i> | <i>NSW</i><br>(c) | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i><br>(c) | <i>Aust</i>    |
|---|-------------|-------------------|-------------------|-------------------|------------------|------------------|--------------|--------------|------------------|----------------|
| <b>Firefighting workforce<br/>(proportion of total)</b> | %           | <b>76.6</b>       | <b>71.4</b>       | <b>82.5</b>       | <b>73.2</b>      | <b>82.9</b>      | <b>63.5</b>  | <b>77.0</b>  | <b>92.2</b>      | <b>75.8</b>    |
| <b>Volunteers (b)</b>                                   | no.         | <b>82 835</b>     | <b>57 461</b>     | <b>35 000</b>     | <b>28 941</b>    | <b>13 836</b>    | <b>5 045</b> | <b>1 538</b> | <b>1 396</b>     | <b>226 052</b> |
| <b>2013-14</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 432             | 3 484             | 2 238             | 1 120            | 868              | 295          | 359          | 215              | 12 011         |
| Part time & other                                       | FTE         | 507               | 2 044             | 205               | –                | 22               | –            | –            | 16               | 2 794          |
| Total   | FTE         | 3 939             | 5 528             | 2 443             | 1 120            | 890              | 295          | 359          | 231              | 14 805         |
| Support workforce                                       | FTE         | 1 277             | 1 841             | 500               | 309              | 178              | 172          | 90           | 26               | 4 393          |
| <b>Total</b>  | <b>FTE</b>  | <b>5 216</b>      | <b>7 369</b>      | <b>2 943</b>      | <b>1 429</b>     | <b>1 068</b>     | <b>467</b>   | <b>449</b>   | <b>257</b>       | <b>19 198</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | %           | <b>75.5</b>       | <b>75.0</b>       | <b>83.0</b>       | <b>78.4</b>      | <b>83.3</b>      | <b>63.2</b>  | <b>80.0</b>  | <b>89.9</b>      | <b>77.1</b>    |
| <b>Volunteers (b)</b>                                   | no.         | <b>80 761</b>     | <b>57 243</b>     | <b>35 000</b>     | <b>29 072</b>    | <b>13 600</b>    | <b>5 021</b> | <b>1 621</b> | <b>1 409</b>     | <b>223 727</b> |
| <b>2012-13</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 450             | 3 372             | 2 272             | 1 111            | 874              | 286          | 361          | 214              | 11 940         |
| Part time & other                                       | FTE         | –                 | 1 597             | 206               | –                | 146              | –            | –            | 15               | 1 964          |
| Total   | FTE         | 3 450             | 4 969             | 2 478             | 1 111            | 1 020            | 286          | 361          | 229              | 13 904         |
| Support workforce                                       | FTE         | 1 246             | 1 780             | 623               | 337              | 52               | 166          | 77           | 23               | 4 304          |
| <b>Total</b>  | <b>FTE</b>  | <b>4 696</b>      | <b>6 749</b>      | <b>3 101</b>      | <b>1 448</b>     | <b>1 072</b>     | <b>452</b>   | <b>438</b>   | <b>252</b>       | <b>18 208</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | %           | <b>73.5</b>       | <b>73.6</b>       | <b>79.9</b>       | <b>76.7</b>      | <b>95.1</b>      | <b>63.3</b>  | <b>82.4</b>  | <b>90.9</b>      | <b>76.4</b>    |
| <b>Volunteers (b)</b>                                   | no.         | <b>79 176</b>     | <b>57 608</b>     | <b>35 000</b>     | <b>29 037</b>    | <b>13 660</b>    | <b>4 872</b> | <b>1 599</b> | <b>1 392</b>     | <b>222 344</b> |
| <b>2011-12</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |

TABLE 9A.5

Table 9A.5 Fire service organisations human resources (a), (b)

|   | <i>Unit</i> | <i>NSW</i><br>(c) | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i><br>(c) | <i>Aust</i>    |
|---|-------------|-------------------|-------------------|-------------------|------------------|------------------|--------------|--------------|------------------|----------------|
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 498             | 3 202             | 2 262             | 1 123            | 889              | 275          | 351          | 202              | 11 802         |
| Part time & other                                       | FTE         | 499               | 998               | 202               | –                | 140              | –            | –            | 12               | 1 851          |
| Total   | FTE         | 3 997             | 4 200             | 2 464             | 1 123            | 1 029            | 275          | 351          | 214              | 13 653         |
| Support workforce                                       | FTE         | 1 328             | 1 510             | 737               | 299              | 52               | 173          | 62           | 40               | 4 201          |
| <b>Total</b>  | <b>FTE</b>  | <b>5 325</b>      | <b>5 710</b>      | <b>3 201</b>      | <b>1 422</b>     | <b>1 081</b>     | <b>448</b>   | <b>413</b>   | <b>254</b>       | <b>17 854</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | <b>%</b>    | <b>75.1</b>       | <b>73.6</b>       | <b>77.0</b>       | <b>79.0</b>      | <b>95.2</b>      | <b>61.4</b>  | <b>85.0</b>  | <b>84.3</b>      | <b>76.5</b>    |
| <b>Volunteers (b)</b>                                   | <b>no.</b>  | <b>70 246</b>     | <b>57 843</b>     | <b>34 000</b>     | <b>28 354</b>    | <b>14 127</b>    | <b>4 823</b> | <b>1 382</b> | <b>1 123</b>     | <b>211 898</b> |
| <b>2010-11</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 516             | 3 021             | 2 262             | 1 052            | 865              | 274          | 305          | 201              | 11 496         |
| Part time & other                                       | FTE         | 507               | 890               | 160               | 24               | 140              | –            | –            | 12               | 1 733          |
| Total   | FTE         | 4 023             | 3 911             | 2 422             | 1 076            | 1 005            | 274          | 305          | 213              | 13 229         |
| Support workforce                                       | FTE         | 1 321             | 1 526             | 777               | 332              | 45               | 190          | 78           | 47               | 4 316          |
| <b>Total</b>  | <b>FTE</b>  | <b>5 344</b>      | <b>5 437</b>      | <b>3 199</b>      | <b>1 408</b>     | <b>1 050</b>     | <b>464</b>   | <b>383</b>   | <b>260</b>       | <b>17 545</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | <b>%</b>    | <b>75.3</b>       | <b>71.9</b>       | <b>75.7</b>       | <b>76.4</b>      | <b>95.7</b>      | <b>59.1</b>  | <b>79.6</b>  | <b>81.9</b>      | <b>75.4</b>    |
| <b>Volunteers (b)</b>                                   | <b>no.</b>  | <b>77 410</b>     | <b>58 063</b>     | <b>34 000</b>     | <b>28 922</b>    | <b>14 583</b>    | <b>4 777</b> | <b>1 233</b> | <b>777</b>       | <b>219 765</b> |
| <b>2009-10</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 498             | 2 864             | 2 215             | 1 003            | 873              | 280          | 294          | 198              | 11 225         |
| Part time & other                                       | FTE         | 515               | 1 181             | 158               | 25               | 147              | –            | –            | 9                | 2 035          |
| Total   | FTE         | 4 013             | 4 045             | 2 373             | 1 028            | 1 020            | 280          | 294          | 207              | 13 260         |
| Support workforce                                       | FTE         | 1 196             | 1 419             | 759               | 296              | 44               | 180          | 83           | 41               | 4 018          |

TABLE 9A.5

Table 9A.5 Fire service organisations human resources (a), (b)

|   | <i>Unit</i> | <i>NSW</i><br>(c) | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i><br>(c) | <i>Aust</i>    |
|---|-------------|-------------------|-------------------|-------------------|------------------|------------------|--------------|--------------|------------------|----------------|
| <b>Total</b>  | <b>FTE</b>  | <b>5 209</b>      | <b>5 464</b>      | <b>3 132</b>      | <b>1 324</b>     | <b>1 064</b>     | <b>460</b>   | <b>377</b>   | <b>248</b>       | <b>17 278</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | <b>%</b>    | <b>77.0</b>       | <b>74.0</b>       | <b>75.8</b>       | <b>77.6</b>      | <b>95.9</b>      | <b>60.9</b>  | <b>78.0</b>  | <b>83.5</b>      | <b>76.7</b>    |
| <b>Volunteers (b)</b>                                   | <b>no.</b>  | <b>77 422</b>     | <b>59 180</b>     | <b>34 000</b>     | <b>29 343</b>    | <b>15 064</b>    | <b>4 861</b> | <b>1 228</b> | <b>750</b>       | <b>221 848</b> |
| <b>2008-09</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 485             | 3 580             | 2 195             | 970              | 852              | 267          | 296          | 184              | 11 829         |
| Part time & other                                       | FTE         | 497               | 1 107             | 158               | 26               | 124              | –            | –            | 10               | 1 923          |
| <b>Total</b>  | <b>FTE</b>  | <b>3 982</b>      | <b>4 687</b>      | <b>2 353</b>      | <b>996</b>       | <b>976</b>       | <b>267</b>   | <b>296</b>   | <b>194</b>       | <b>13 752</b>  |
| Support workforce                                       | FTE         | 1 088             | 1 593             | 726               | 308              | 47               | 193          | 84           | 43               | 4 082          |
| <b>Total</b>  | <b>FTE</b>  | <b>5 070</b>      | <b>6 280</b>      | <b>3 079</b>      | <b>1 304</b>     | <b>1 023</b>     | <b>460</b>   | <b>380</b>   | <b>237</b>       | <b>17 833</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | <b>%</b>    | <b>78.5</b>       | <b>74.6</b>       | <b>76.4</b>       | <b>76.4</b>      | <b>95.4</b>      | <b>58.0</b>  | <b>77.9</b>  | <b>81.9</b>      | <b>77.1</b>    |
| <b>Volunteers (b)</b>                                   | <b>no.</b>  | <b>75 436</b>     | <b>58 943</b>     | <b>34 000</b>     | <b>27 249</b>    | <b>15 415</b>    | <b>4 859</b> | <b>1 230</b> | <b>540</b>       | <b>217 672</b> |
| <b>2007-08</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 443             | 3 340             | 2 193             | 919              | 813              | 296          | 276          | 176              | 11 456         |
| Part time & other                                       | FTE         | 483               | 845               | 165               | 54               | 125              | –            | 53           | 10               | 1 735          |
| <b>Total</b>  | <b>FTE</b>  | <b>3 926</b>      | <b>4 185</b>      | <b>2 358</b>      | <b>973</b>       | <b>938</b>       | <b>296</b>   | <b>329</b>   | <b>186</b>       | <b>13 191</b>  |
| Support workforce                                       | FTE         | 1 406             | 2 047             | 665               | 277              | 46               | 180          | 36           | 43               | 4 700          |
| <b>Total</b>  | <b>FTE</b>  | <b>5 332</b>      | <b>6 232</b>      | <b>3 023</b>      | <b>1 250</b>     | <b>984</b>       | <b>476</b>   | <b>365</b>   | <b>229</b>       | <b>17 891</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | <b>%</b>    | <b>73.6</b>       | <b>67.2</b>       | <b>78.0</b>       | <b>77.8</b>      | <b>95.3</b>      | <b>62.2</b>  | <b>90.1</b>  | <b>81.2</b>      | <b>73.7</b>    |
| <b>Volunteers (b)</b>                                   | <b>no.</b>  | <b>75 474</b>     | <b>58 362</b>     | <b>35 000</b>     | <b>27 457</b>    | <b>15 744</b>    | <b>4 909</b> | <b>1 367</b> | <b>540</b>       | <b>218 853</b> |

Table 9A.5 Fire service organisations human resources (a), (b)

|   | <i>Unit</i> | <i>NSW</i><br>(c) | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i>   | <i>ACT</i>   | <i>NT</i><br>(c) | <i>Aust</i>    |
|---|-------------|-------------------|-------------------|-------------------|------------------|------------------|--------------|--------------|------------------|----------------|
| <b>2006-07</b>  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Firefighting workforce                                  |             |                   |                   |                   |                  |                  |              |              |                  |                |
| Permanent   | FTE         | 3 406             | 3 274             | 2 076             | 896              | 779              | 287          | 291          | 176              | 11 185         |
| Part time & other                                       | FTE         | 481               | 845               | 163               | 36               | 126              | –            | –            | 6                | 1 657          |
| Total   | FTE         | 3 887             | 4 119             | 2 239             | 932              | 905              | 287          | 291          | 182              | 12 842         |
| Support workforce                                       | FTE         | 996               | 2 008             | 732               | 278              | 40               | 170          | 81           | 41               | 4 346          |
| <b>Total</b>  | <b>FTE</b>  | <b>4 883</b>      | <b>6 127</b>      | <b>2 971</b>      | <b>1 210</b>     | <b>945</b>       | <b>457</b>   | <b>372</b>   | <b>223</b>       | <b>17 188</b>  |
| <b>Firefighting workforce<br/>(proportion of total)</b> | <b>%</b>    | <b>79.6</b>       | <b>67.2</b>       | <b>75.4</b>       | <b>77.0</b>      | <b>95.8</b>      | <b>62.8</b>  | <b>78.2</b>  | <b>81.6</b>      | <b>74.7</b>    |
| <b>Volunteers (b)</b>                                   | <b>no.</b>  | <b>76 302</b>     | <b>59 509</b>     | <b>36 000</b>     | <b>27 305</b>    | <b>15 517</b>    | <b>4 978</b> | <b>1 261</b> | <b>550</b>       | <b>221 422</b> |

(a) Human resource data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) Numbers for Volunteer firefighters include volunteer fire support staff.

(c) Jurisdiction notes:

NSW: In 2013-14, the change in the breakdown of volunteers (firefighting workforce and fire support workforce) has been improved through the availability of better data to differentiate the roles undertaken by NSW Rural Fire Service volunteers.

Vic: Workforce by age group data do not include Victoria's land management agency, DELWP.

In 2012-13, the former Department of Environment and Primary Industries (DEPI) engaged a large number of firefighters from Parks Victoria, and from interstate and overseas to manage significant campaign fires.

In 2007-08, DEPI (formerly Department of Sustainability and Environment (DSE)) figures have been derived from 2006-07 DEPI figures, due to data quality issues.

From 2005-06, data include Victoria's land management agency, DELWP, or its predecessors.

Qld: It is not possible to compare 2013-14 data (support workforce and total workforce (firefighting and support)) to that previously provided by the former Queensland Fire and Rescue Service as a division of the former Department of Community Safety. Effective 1 November 2013, Queensland Fire and Emergency Services was established as an independent department and includes the Fire and Rescue Service, the Rural Fire Service and the State Emergency Service.



Table 9A.5 Fire service organisations human resources (a), (b)

| <i>Unit</i> | <i>NSW</i><br>(c)   | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i> | <i>ACT</i> | <i>NT</i><br>(c) | <i>Aust</i> |  |
|-------------|---|-------------------|-------------------|------------------|------------------|------------|------------|------------------|-------------|--|
|             | Firefighting personnel include senior fire officers, Assistant Commissioners, Deputy Commissioners and the Commissioner. Volunteer firefighter data for Queensland includes all recorded members of Rural Fire Brigades, including those fulfilling operational and support roles. Auxiliary firefighters (part-time) are included as 0.1 FTE each.   |                   |                   |                  |                  |            |            |                  |             |  |
|             | Volunteer firefighter data for Queensland includes all recorded members of Rural Fire Brigades, including those fulfilling operational and support roles.   |                   |                   |                  |                  |            |            |                  |             |  |
| WA:         | From 2006-07 support staff data include all non-fire specific staff, including those that support SES and Volunteer Marine Rescue. Volunteer firefighter data include volunteers from local government bush fire brigades, Volunteer Fire and Rescue brigades and Volunteer Fire and Emergency Services. Data for the Department of Parks and Wildlife are not included.  |                   |                   |                  |                  |            |            |                  |             |  |
| SA:         | Total firefighting staff by age are for actual numbers (not FTE) and are for MFS only. Non-firefighting staff and all paid staff are for MFS and CFS (FTE numbers) and fire service training, building inspection and fire cause investigatory staff.   |                   |                   |                  |                  |            |            |                  |             |  |
| NT:         | Numbers reflect NT Fire and Rescue Service and Bushfires NT uniformed, non-uniformed and volunteers. In 2012-13 Bushfires NT conducted an audit of volunteer workforce and identified a number of persons who act in voluntary support roles who were previously counted as volunteer firefighters. In 2013-14 NT Fire and Rescue Service did not distinguish between volunteer firefighters and volunteer fire support staff therefore all volunteers have been shown as firefighters. |                   |                   |                  |                  |            |            |                  |             |  |
|             | – Nil or rounded to zero.   |                   |                   |                  |                  |            |            |                  |             |  |
| Source:     | State and Territory governments (unpublished).  |                   |                   |                  |                  |            |            |                  |             |  |

Table 9A.6 **Fire deaths (a), (b), (c), (d)**

|                                     | <i>NSW</i>                | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|-------------------------------------|---------------------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|
| <b>Annual rate</b>                  | <b>per million people</b> |            |            |           |           |            |            |           |                 |
| 2015                                | 2.9                       | 4.2        | 4.4        | 3.9       | 6.5       | 9.7        | 10.2       | 4.1       | 4.1             |
| 2014                                | 4.7                       | 6.2        | 3.6        | 3.9       | 3.0       | 7.8        | –          | 4.1       | 4.5             |
| 2013                                | 4.5                       | 4.0        | 4.9        | 2.8       | 4.8       | –          | 2.6        | 4.2       | 4.3             |
| 2012                                | 4.4                       | 3.7        | 3.3        | 7.8       | 6.0       | 7.8        | –          | 42.6      | 4.3             |
| 2011                                | 6.5                       | 4.3        | 6.0        | 5.9       | 6.1       | 11.7       | 16.3       | 34.6      | 5.6             |
| 2010                                | 4.8                       | 4.8        | 4.3        | 5.7       | 1.8       | 2.0        | –          | 17.4      | 4.4             |
| 2009                                | 4.8                       | 36.7       | 3.7        | 4.9       | 8.7       | 19.8       | –          | 17.7      | 12.4            |
| 2008                                | 4.3                       | 6.7        | 5.0        | 7.8       | 9.4       | 18.1       | –          | 4.5       | 5.6             |
| 2007                                | 3.5                       | 5.8        | 6.1        | 6.2       | 7.0       | 8.1        | 5.8        | 32.7      | 5.4             |
| 2006                                | 5.0                       | 5.3        | 5.7        | 5.4       | 11.6      | 2.0        | 3.0        | –         | 5.1             |
| 2005                                | 9.3                       | 5.4        | 4.6        | 3.5       | 8.4       | 10.3       | 9.1        | 9.7       | 6.8             |
| 2004                                | 5.9                       | 4.7        | 3.9        | 3.0       | 7.9       | 22.8       | 3.0        | 4.9       | 5.5             |
| 2003                                | 6.9                       | 6.0        | 4.8        | 10.2      | 10.5      | 14.6       | 3.1        | 5.0       | 7.3             |
| 2002                                | 7.4                       | 7.1        | 6.6        | 5.2       | 7.9       | 16.9       | 3.1        | 9.9       | 7.2             |
| 2001                                | 4.1                       | 3.4        | 4.8        | 6.8       | 10.6      | 19.0       | 9.3        | 5.0       | 5.4             |
| 2000                                | 8.5                       | 6.4        | 9.7        | 3.7       | 6.0       | 2.1        | 12.6       | 5.0       | 7.7             |
| 1999                                | 5.8                       | 5.6        | 9.6        | 2.7       | 10.7      | 6.3        | 9.5        | 20.4      | 6.6             |
| 1998                                | 8.9                       | 6.7        | 8.2        | 7.1       | 7.4       | 25.3       | –          | 5.2       | 8.3             |
| 1997                                | 6.4                       | 6.8        | 9.5        | 9.5       | 11.5      | 16.8       | 9.7        | 21.1      | 8.0             |
| 1996                                | 11.3                      | 8.8        | 6.7        | 4.5       | 10.2      | 6.3        | –          | 21.7      | 8.9             |
| 1995                                | 9.5                       | 8.2        | 13.0       | 6.3       | 14.3      | 12.6       | –          | –         | 9.9             |
| 1994                                | 8.3                       | 9.2        | 11.1       | 5.9       | 15.0      | 14.8       | 19.9       | –         | 9.7             |
| 1993                                | 10.3                      | 8.7        | 6.8        | 7.1       | 10.3      | 6.4        | 10.0       | 17.5      | 8.8             |
| 1992                                | 10.1                      | 11.2       | 6.0        | 4.2       | 17.9      | 14.9       | –          | 29.7      | 10.0            |
| 1991                                | 13.6                      | 10.4       | 7.8        | 4.3       | 14.5      | 10.7       | –          | 18.1      | 10.6            |
| 1990                                | 6.0                       | 8.2        | 6.9        | 11.8      | 9.1       | 10.8       | –          | 18.3      | 7.7             |
| 1989                                | 10.7                      | 10.2       | 13.1       | 3.2       | 12.0      | 6.6        | 18.1       | –         | 10.4            |
| 1988                                | 9.6                       | 11.3       | 5.8        | 7.2       | 12.1      | 13.3       | –          | 18.9      | 9.6             |
| 1987                                | 12.8                      | 12.1       | 6.0        | 6.7       | 6.5       | 6.7        | –          | 19.0      | 10.1            |
| 1986                                | 11.6                      | 11.1       | 9.9        | 8.9       | 8.7       | 11.2       | –          | 19.4      | 10.6            |
| <b>Annual rate (3 year average)</b> | <b>per million people</b> |            |            |           |           |            |            |           |                 |
| 2013 to 2015                        | 4.0                       | 4.8        | 4.3        | 3.5       | 4.7       | 5.8        | 4.3        | 4.1       | 4.3             |
| 2012 to 2014                        | 4.5                       | 4.7        | 3.9        | 4.8       | 4.6       | 5.2        | 0.9        | 16.7      | 4.4             |
| 2011 to 2013                        | 5.1                       | 4.0        | 4.7        | 5.5       | 5.6       | 6.5        | 6.2        | 26.9      | 4.7             |
| 2010 to 2012                        | 5.2                       | 4.3        | 4.5        | 6.5       | 4.7       | 7.2        | 5.4        | 31.6      | 4.8             |
| 2009 to 2011                        | 5.4                       | 15.1       | 4.7        | 5.5       | 5.5       | 11.1       | 9.2        | 23.3      | 7.5             |
| 2008 to 2010                        | 4.6                       | 16.0       | 4.3        | 6.1       | 6.6       | 13.2       | 3.8        | 13.3      | 7.5             |
| 2007 to 2009                        | 4.2                       | 16.6       | 4.9        | 6.3       | 8.4       | 15.4       | 5.7        | 18.2      | 7.9             |
| 2006 to 2008                        | 4.3                       | 5.9        | 5.6        | 6.5       | 9.3       | 9.5        | 2.9        | 12.4      | 5.4             |
| 2005 to 2007                        | 5.9                       | 5.5        | 5.5        | 5.0       | 9.0       | 6.8        | 5.9        | 14.3      | 5.8             |
| 2004 to 2006                        | 6.7                       | 5.1        | 4.8        | 4.0       | 9.3       | 11.7       | 5.0        | 4.9       | 5.8             |
| 2003 to 2005                        | 7.4                       | 5.3        | 4.4        | 5.6       | 8.9       | 15.9       | 5.1        | 6.6       | 6.5             |
| 2002 to 2004                        | 6.7                       | 5.9        | 5.1        | 6.1       | 8.8       | 18.1       | 3.1        | 6.6       | 6.7             |
| 2001 to 2003                        | 6.2                       | 5.5        | 5.4        | 7.4       | 9.7       | 16.8       | 5.1        | 6.6       | 6.6             |

Table 9A.6 **Fire deaths (a), (b), (c), (d)**

|                           | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i>     | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|---------------------------|------------|------------|------------|-----------|---------------|------------|------------|-----------|-----------------|
| 2000 to 2002              | 6.7        | 5.6        | 7.0        | 5.3       | 8.2           | 12.7       | 8.3        | 6.6       | 6.8             |
| 1999 to 2001              | 6.1        | 5.1        | 8.0        | 4.4       | 9.1           | 9.2        | 10.5       | 10.1      | 6.6             |
| 1998 to 2000              | 7.7        | 6.2        | 9.2        | 4.5       | 8.1           | 11.3       | 7.4        | 10.2      | 7.5             |
| 1997 to 1999              | 7.0        | 6.4        | 9.1        | 6.4       | 9.9           | 16.2       | 6.4        | 15.6      | 7.6             |
| 1996 to 1998              | 8.9        | 7.4        | 8.1        | 7.0       | 9.7           | 16.2       | 3.2        | 15.9      | 8.4             |
| 1995 to 1997              | 9.1        | 7.9        | 9.7        | 6.8       | 12.0          | 11.9       | 3.2        | 14.4      | 8.9             |
| 1994 to 1996              | 9.7        | 8.7        | 10.2       | 5.6       | 13.2          | 11.2       | 6.5        | 7.4       | 9.5             |
| 1993 to 1995              | 9.4        | 8.7        | 10.3       | 6.4       | 13.2          | 11.3       | 9.9        | 5.7       | 9.5             |
| 1992 to 1994              | 9.6        | 9.7        | 8.0        | 5.8       | 14.4          | 12.0       | 10.0       | 15.5      | 9.5             |
| 1991 to 1993              | 11.3       | 10.1       | 6.8        | 5.2       | 14.2          | 10.6       | 3.4        | 21.8      | 9.8             |
| 1990 to 1992              | 9.9        | 10.0       | 6.9        | 6.7       | 13.8          | 12.2       | –          | 22.1      | 9.5             |
| 1989 to 1991              | 10.1       | 9.6        | 9.2        | 6.4       | 11.9          | 9.4        | 5.9        | 12.2      | 9.6             |
| 1988 to 1990              | 8.8        | 9.9        | 8.6        | 7.4       | 11.0          | 10.2       | 6.0        | 12.4      | 9.2             |
| 1987 to 1989              | 11.1       | 11.2       | 8.4        | 5.6       | 10.2          | 8.9        | 6.1        | 12.5      | 10.0            |
| 1986 to 1988              | 11.3       | 11.5       | 7.2        | 7.6       | 9.1           | 10.4       | –          | 19.1      | 10.1            |
| <b>Annual fire deaths</b> |            |            |            |           | <b>number</b> |            |            |           |                 |
| 2015                      | 22         | 25         | 21         | 10        | 11            | 5          | 4          | 1         | 97              |
| 2014                      | 35         | 36         | 17         | 10        | 5             | 4          | –          | 1         | 106             |
| 2013                      | 33         | 23         | 23         | 7         | 8             | –          | 1          | 1         | 99              |
| 2012                      | 32         | 21         | 15         | 19        | 10            | 4          | –          | 10        | 98              |
| 2011                      | 47         | 24         | 27         | 14        | 10            | 6          | 6          | 8         | 126             |
| 2010                      | 34         | 26         | 19         | 13        | 3             | 1          | –          | 4         | 98              |
| 2009                      | 34         | 197        | 16         | 11        | 14            | 10         | 4          | 4         | 269             |
| 2008                      | 30         | 35         | 21         | 17        | 15            | 9          | –          | 1         | 120             |
| 2007                      | 24         | 30         | 25         | 13        | 11            | 4          | 2          | 7         | 113             |
| 2006                      | 34         | 27         | 23         | 11        | 18            | 1          | 1          | –         | 104             |
| 2005                      | 62         | 27         | 18         | 7         | 13            | 5          | 3          | 2         | 138             |
| 2004                      | 39         | 23         | 15         | 6         | 12            | 11         | 1          | 1         | 110             |
| 2003                      | 46         | 29         | 18         | 20        | 16            | 7          | 1          | 1         | 143             |
| 2002                      | 49         | 34         | 24         | 10        | 12            | 8          | 1          | 2         | 141             |
| 2001                      | 27         | 16         | 17         | 13        | 16            | 9          | 3          | 1         | 104             |
| 2000                      | 55         | 30         | 34         | 7         | 9             | 1          | 4          | 1         | 146             |
| 1999                      | 37         | 26         | 33         | 5         | 16            | 3          | 3          | 4         | 125             |
| 1998                      | 56         | 31         | 28         | 13        | 11            | 12         | –          | 1         | 155             |
| 1997                      | 40         | 31         | 32         | 17        | 17            | 8          | 3          | 4         | 147             |
| 1996                      | 70         | 40         | 22         | 8         | 15            | 3          | –          | 4         | 163             |
| 1995                      | 58         | 37         | 42         | 11        | 21            | 6          | –          | –         | 178             |
| 1994                      | 50         | 41         | 35         | 10        | 22            | 7          | 6          | –         | 172             |
| 1993                      | 62         | 39         | 21         | 12        | 15            | 3          | 3          | 3         | 156             |
| 1992                      | 60         | 50         | 18         | 7         | 26            | 7          | –          | 5         | 175             |
| 1991                      | 80         | 46         | 23         | 7         | 21            | 5          | –          | 3         | 183             |
| 1990                      | 35         | 36         | 20         | 19        | 13            | 5          | –          | 3         | 132             |
| 1989                      | 62         | 44         | 37         | 5         | 17            | 3          | 5          | –         | 175             |
| 1988                      | 55         | 48         | 16         | 11        | 17            | 6          | –          | 3         | 158             |
| 1987                      | 72         | 51         | 16         | 10        | 9             | 3          | –          | 3         | 165             |

Table 9A.6 **Fire deaths (a), (b), (c), (d)**

|      | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|
| 1986 | 64         | 46         | 26         | 13        | 12        | 5          | –          | 3         | 170             |

- (a) Data for 2015 and 2014 are preliminary and subject to revision. The standard ABS revisions process has not been applied to reference years 2013 and 2014 that would, in the past, be subject to revisions. Causes of death revisions data will be released in early 2017. Cells in this table have been randomly adjusted to avoid the release of confidential data. Where necessary, totals have been adjusted separately to the component cells and totals are not necessarily the sum of the component cells.
- (b) Fire deaths are coded according to the International Classification of Diseases (ICD) and Related Health Problems Revision 10 (ICD-10) and include ICD fire death codes Exposure (X00-X09) plus X76, X97 and Y26. Fire deaths data are reported by the State or Territory of the deceased's usual residence, and by the year the death was registered.
- (c) Population data used to derive rates are as at 30 June. Estimated Resident Population (ERP) data for 1986 to 2011 are final, based on the 2011 Census of Population and Housing. Estimates for 2012 onwards are preliminary. See chapter 2 (table 2A.1) for details.
- (d) The small number of deaths means it is difficult to establish patterns and provide detailed analysis.
- (e) Includes Other Territories.  
– Nil or rounded to zero.

Source: ABS 2015, *Causes of Death, Australia*, Cat. no. 3303.0; ABS 2016, *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.1).

Table 9A.7 **Fire deaths (a), (b), (c), (d)**

|   | <i>Unit</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|---|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|
| <b>2015</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 16         | 12         | 11         | 5         | 7         | 1          | –          | 1         | 57              |
| Intentional self-harm                       | no.         | 2          | 12         | 6          | 5         | 4         | 4          | 4          | –         | 34              |
| Assault                                     | no.         | –          | –          | –          | –         | –         | –          | –          | –         | –               |
| Undetermined intent                         | no.         | 4          | 1          | 4          | –         | –         | –          | –          | –         | 6               |
| <b>Total</b>                                | <b>no.</b>  | <b>22</b>  | <b>25</b>  | <b>21</b>  | <b>10</b> | <b>11</b> | <b>5</b>   | <b>4</b>   | <b>1</b>  | <b>97</b>       |
| <b>2014</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 18         | 20         | 8          | 5         | 5         | –          | –          | 1         | 59              |
| Intentional self-harm                       | no.         | 11         | 11         | 8          | 4         | –         | 4          | –          | –         | 34              |
| Assault                                     | no.         | 1          | –          | –          | –         | –         | –          | –          | –         | 1               |
| Undetermined intent                         | no.         | 5          | 5          | 1          | 1         | –         | –          | –          | –         | 12              |
| <b>Total</b>                                | <b>no.</b>  | <b>35</b>  | <b>36</b>  | <b>17</b>  | <b>10</b> | <b>5</b>  | <b>4</b>   | <b>–</b>   | <b>1</b>  | <b>106</b>      |
| <b>2013</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 22         | 14         | 8          | 5         | 6         | –          | –          | 1         | 56              |
| Intentional self-harm                       | no.         | 5          | 5          | 15         | 1         | 1         | –          | 1          | –         | 33              |
| Assault                                     | no.         | 4          | –          | –          | –         | –         | –          | –          | –         | 1               |
| Undetermined intent                         | no.         | 2          | 4          | –          | 1         | 1         | –          | –          | –         | 9               |
| <b>Total</b>                                | <b>no.</b>  | <b>33</b>  | <b>23</b>  | <b>23</b>  | <b>7</b>  | <b>8</b>  | <b>–</b>   | <b>1</b>   | <b>1</b>  | <b>99</b>       |
| <b>2012</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 23         | 11         | 8          | 11        | 4         | –          | –          | 4         | 56              |
| Intentional self-harm                       | no.         | 6          | 6          | 5          | 6         | 2         | 2          | –          | 3         | 28              |
| Assault                                     | no.         | 1          | 2          | –          | –         | 4         | –          | –          | 3         | 7               |
| Undetermined intent                         | no.         | 2          | 2          | 2          | 2         | –         | 2          | –          | –         | 7               |
| <b>Total</b>                                | <b>no.</b>  | <b>32</b>  | <b>21</b>  | <b>15</b>  | <b>19</b> | <b>10</b> | <b>4</b>   | <b>–</b>   | <b>10</b> | <b>98</b>       |

Table 9A.7 **Fire deaths (a), (b), (c), (d)**

|   | <i>Unit</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|---|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|
| <b>2011</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 27         | 12         | 21         | 10        | 5         | 3          | 3          | 3         | 81              |
| Intentional self-harm                       | no.         | 7          | 6          | 3          | 4         | 3         | 3          | 3          | 4         | 21              |
| Assault                                     | no.         | 11         | 3          | 3          | –         | –         | –          | –          | –         | 14              |
| Undetermined intent                         | no.         | 2          | 3          | –          | –         | 2         | –          | –          | 1         | 10              |
| <b>Total</b>                                | <b>no.</b>  | <b>47</b>  | <b>24</b>  | <b>27</b>  | <b>14</b> | <b>10</b> | <b>6</b>   | <b>6</b>   | <b>8</b>  | <b>126</b>      |
| <b>2010</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 26         | 18         | 10         | 12        | 3         | –          | –          | 4         | 71              |
| Intentional self-harm                       | no.         | 5          | 6          | 6          | –         | –         | 1          | –          | –         | 19              |
| Assault                                     | no.         | –          | 2          | –          | –         | –         | –          | –          | –         | 2               |
| Undetermined intent                         | no.         | 3          | –          | 3          | 1         | –         | –          | –          | –         | 6               |
| <b>Total</b>                                | <b>no.</b>  | <b>34</b>  | <b>26</b>  | <b>19</b>  | <b>13</b> | <b>3</b>  | <b>1</b>   | <b>–</b>   | <b>4</b>  | <b>98</b>       |
| <b>2009</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 19         | 183        | 14         | 4         | 4         | 4          | 4          | 4         | 227             |
| Intentional self-harm                       | no.         | 8          | 7          | 2          | 3         | 6         | 3          | –          | –         | 25              |
| Assault                                     | no.         | 4          | –          | –          | 4         | 4         | –          | –          | –         | 6               |
| Undetermined intent                         | no.         | 3          | 7          | –          | –         | –         | 3          | –          | –         | 11              |
| <b>Total</b>                                | <b>no.</b>  | <b>34</b>  | <b>197</b> | <b>16</b>  | <b>11</b> | <b>14</b> | <b>10</b>  | <b>4</b>   | <b>4</b>  | <b>269</b>      |
| <b>2008</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 23         | 20         | 15         | 14        | 5         | 6          | –          | 1         | 84              |
| Intentional self-harm                       | no.         | 2          | 9          | 6          | 3         | 3         | 3          | –          | –         | 22              |
| Assault                                     | no.         | –          | –          | –          | –         | 4         | –          | –          | –         | 1               |
| Undetermined intent                         | no.         | 5          | 6          | –          | –         | 3         | –          | –          | –         | 13              |
| <b>Total</b>                                | <b>no.</b>  | <b>30</b>  | <b>35</b>  | <b>21</b>  | <b>17</b> | <b>15</b> | <b>9</b>   | <b>–</b>   | <b>1</b>  | <b>120</b>      |

Table 9A.7 **Fire deaths (a), (b), (c), (d)**

|   | <i>Unit</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|---|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|
| <b>2007</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 17         | 21         | 8          | 10        | 9         | 2          | –          | 5         | 72              |
| Intentional self-harm                       | no.         | 5          | 5          | 12         | 1         | 2         | 2          | 2          | –         | 28              |
| Assault                                     | no.         | –          | –          | 3          | –         | –         | –          | –          | –         | 2               |
| Undetermined intent                         | no.         | 2          | 4          | 2          | 2         | –         | –          | –          | 2         | 11              |
| <b>Total</b>                                | <b>no.</b>  | <b>24</b>  | <b>30</b>  | <b>25</b>  | <b>13</b> | <b>11</b> | <b>4</b>   | <b>2</b>   | <b>7</b>  | <b>113</b>      |
| <b>2006</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 24         | 15         | 14         | 1         | 8         | 1          | 1          | –         | 68              |
| Intentional self-harm                       | no.         | 4          | 5          | 7          | 4         | 4         | –          | –          | –         | 18              |
| Assault                                     | no.         | 3          | 4          | 1          | 2         | 2         | –          | –          | –         | 10              |
| Undetermined intent                         | no.         | 3          | 3          | 1          | 4         | 4         | –          | –          | –         | 8               |
| <b>Total</b>                                | <b>no.</b>  | <b>34</b>  | <b>27</b>  | <b>23</b>  | <b>11</b> | <b>18</b> | <b>1</b>   | <b>1</b>   | <b>–</b>  | <b>104</b>      |
| <b>2005</b>                                 |             |            |            |            |           |           |            |            |           |                 |
| Deaths from smoke, fire and flames, due to: |             |            |            |            |           |           |            |            |           |                 |
| Exposure                                    | no.         | 48         | 21         | 12         | 6         | 12        | 2          | 2          | 1         | 109             |
| Intentional self-harm                       | no.         | 13         | 2          | 5          | 1         | 4         | –          | –          | –         | 23              |
| Assault                                     | no.         | –          | 3          | –          | –         | –         | 2          | –          | –         | np              |
| Undetermined intent                         | no.         | 4          | 1          | 2          | –         | –         | –          | –          | –         | 4               |
| <b>Total</b>                                | <b>no.</b>  | <b>62</b>  | <b>27</b>  | <b>18</b>  | <b>7</b>  | <b>13</b> | <b>5</b>   | <b>3</b>   | <b>2</b>  | <b>138</b>      |

- (a) Data for 2015 and 2014 are preliminary and subject to revision. The standard ABS revisions process has not been applied to reference years 2013 and 2014 that would, in the past, be subject to revisions. Causes of death revisions data will be released in early 2017. Cells in this table have been randomly adjusted to avoid the release of confidential data. Where necessary, totals have been adjusted separately to the component cells and totals are not necessarily the sum of the component cells.
- (b) Fire deaths are coded according to the ICD and Related Health Problems Revision 10 (ICD-10) and include ICD fire death codes Exposure (X00-X09) plus X76, X97 and Y26. Fire deaths data are reported by the State or Territory of the deceased's usual residence, and by the year the death was registered.

Table 9A.7 **Fire deaths (a), (b), (c), (d)**

|  | <i>Unit</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust (e)</i> |
|--|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|
|--|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------------|

(c) Population data used to derive rates are as at 30 June. Estimated Resident Population (ERP) data for 2005 to 2011 are final, based on the 2011 Census of Population and Housing. Estimates for 2012 onwards are preliminary. See chapter 2 (table 2A.1) for details.

(d) The small number of deaths means it is difficult to establish patterns and provide detailed analysis.

(e) Includes Other Territories.

– Nil or rounded to zero. **np** Not published.

Source: ABS 2015, *Causes of Death, Australia*, Cat. no. 3303.0; ABS 2016, *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.1).



Table 9A.8 Landscape fire deaths (a), (b), (c), (d)

|                                    | <i>NSW</i>                | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|------------------------------------|---------------------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
| <b>Annual rate</b>                 | <i>per million people</i> |            |            |           |           |            |            |           |             |
| 2015-16                            | 0.1                       | –          | 0.2        | 2.3       | 1.2       | –          | –          | –         | 0.4         |
| 2014-15                            | –                         | –          | –          | –         | 1.2       | –          | –          | –         | 0.1         |
| 2013-14                            | 0.3                       | 0.2        | –          | 0.4       | –         | –          | –          | –         | 0.2         |
| 2012-13                            | –                         | 0.9        | –          | 1.2       | –         | 2.0        | –          | –         | 0.4         |
| 2011-12                            | –                         | 0.2        | 0.2        | –         | –         | –          | –          | –         | 0.1         |
| 2010-11                            | 0.3                       | –          | –          | 0.4       | –         | –          | –          | –         | 0.1         |
| 2009-10                            | 0.1                       | 0.2        | –          | –         | –         | –          | –          | –         | 0.1         |
| 2008-09                            | 0.1                       | 33.5       | –          | –         | –         | –          | –          | –         | 8.3         |
| 2007-08                            | –                         | 0.4        | –          | 1.4       | 0.6       | –          | –          | 4.6       | 0.3         |
| 2006-07                            | 0.1                       | 0.2        | –          | 0.5       | –         | 2.0        | –          | –         | 0.2         |
| 2005-06                            | 0.4                       | 0.8        | –          | –         | –         | –          | –          | –         | 0.3         |
| 2004-05                            | –                         | –          | –          | –         | 5.9       | –          | –          | –         | 0.4         |
| 2003-04                            | –                         | –          | –          | 1.0       | –         | –          | –          | –         | 0.1         |
| 2002-03                            | 0.5                       | 0.2        | 0.3        | 1.0       | –         | –          | 12.3       | 5.0       | 0.6         |
| 2001-02                            | –                         | 0.2        | 0.3        | –         | –         | –          | –          | –         | 0.1         |
| 2000-01                            | 0.2                       | –          | –          | –         | –         | –          | –          | 5.0       | 0.1         |
| 1999-00                            | 0.6                       | –          | –          | –         | –         | –          | –          | –         | 0.2         |
| 1998-99                            | –                         | 1.1        | –          | –         | –         | –          | –          | –         | 0.3         |
| 1997-98                            | 0.6                       | –          | 0.3        | 0.6       | –         | –          | –          | –         | 0.3         |
| 1996-97                            | –                         | 0.7        | –          | –         | –         | –          | –          | –         | 0.2         |
| 1995-96                            | –                         | 0.2        | –          | –         | –         | –          | –          | –         | 0.1         |
| 1994-95                            | –                         | –          | –          | –         | –         | –          | –          | –         | –           |
| 1993-94                            | 0.7                       | 0.2        | –          | –         | –         | –          | –          | –         | 0.3         |
| 1992-93                            | –                         | –          | –          | –         | –         | –          | –          | –         | –           |
| 1991-92                            | 0.3                       | –          | 0.3        | –         | –         | –          | –          | –         | 0.2         |
| 1990-91                            | –                         | –          | –          | –         | –         | –          | –          | –         | –           |
| 1989-90                            | –                         | –          | –          | –         | 0.7       | –          | –          | –         | 0.1         |
| 1988-89                            | 0.2                       | –          | –          | –         | –         | –          | –          | –         | 0.1         |
| 1987-88                            | –                         | –          | –          | –         | –         | –          | –          | –         | –           |
| 1986-87                            | 0.5                       | –          | –          | –         | –         | –          | –          | –         | 0.2         |
| <b>Total landscape fire deaths</b> | <i>number</i>             |            |            |           |           |            |            |           |             |
| 2015-16                            | 1                         | –          | 1          | 6         | 2         | –          | –          | –         | 10          |
| 2014-15                            | –                         | –          | –          | –         | 2         | –          | –          | –         | 2           |
| 2013-14                            | 2                         | 1          | –          | 1         | –         | –          | –          | –         | 4           |
| 2012-13                            | –                         | 5          | –          | 3         | –         | 1          | –          | –         | 9           |
| 2011-12                            | –                         | 1          | 1          | –         | –         | –          | –          | –         | 2           |
| 2010-11                            | 2                         | –          | –          | 1         | –         | –          | –          | –         | 3           |
| 2009-10                            | 1                         | 1          | –          | –         | –         | –          | –          | –         | 2           |
| 2008-09                            | 1                         | 178        | –          | –         | –         | –          | –          | –         | 179         |
| 2007-08                            | –                         | 2          | –          | 3         | 1         | –          | –          | 1         | 7           |
| 2006-07                            | 1                         | 1          | –          | 1         | –         | 1          | –          | –         | 4           |
| 2005-06                            | 3                         | 4          | –          | –         | –         | –          | –          | –         | 7           |

Table 9A.8 Landscape fire deaths (a), (b), (c), (d)

|         | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|---------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
| 2004-05 | –          | –          | –          | –         | 9         | –          | –          | –         | 9           |
| 2003-04 | –          | –          | –          | 2         | –         | –          | –          | –         | 2           |
| 2002-03 | 3          | 1          | 1          | 2         | –         | –          | 4          | 1         | 12          |
| 2001-02 | –          | 1          | 1          | –         | –         | –          | –          | –         | 2           |
| 2000-01 | 1          | –          | –          | –         | –         | –          | –          | 1         | 2           |
| 1999-00 | 4          | –          | –          | –         | –         | –          | –          | –         | 4           |
| 1998-99 | –          | 5          | –          | –         | –         | –          | –          | –         | 5           |
| 1997-98 | 4          | –          | 1          | 1         | –         | –          | –          | –         | 6           |
| 1996-97 | –          | 3          | –          | –         | –         | –          | –          | –         | 4           |
| 1995-96 | –          | 1          | –          | –         | –         | –          | –          | –         | 1           |
| 1994-95 | –          | –          | –          | –         | –         | –          | –          | –         | –           |
| 1993-94 | 4          | 1          | –          | –         | –         | –          | –          | –         | 5           |
| 1992-93 | –          | –          | –          | –         | –         | –          | –          | –         | –           |
| 1991-92 | 2          | –          | 1          | –         | –         | –          | –          | –         | 3           |
| 1990-91 | –          | –          | –          | –         | –         | –          | –          | –         | –           |
| 1989-90 | –          | –          | –          | –         | 1         | –          | –          | –         | 1           |
| 1988-89 | 1          | –          | –          | –         | –         | –          | –          | –         | 1           |
| 1987-88 | –          | –          | –          | –         | –         | –          | –          | –         | –           |
| 1986-87 | 3          | –          | –          | –         | –         | –          | –          | –         | 3           |

- (a) The small number of deaths means it is difficult to establish patterns and provide detailed analysis.
- (b) Population data used to derive rates are as at 31 December. ERP data for 1986 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.
- (c) Data may be subject to a revision process as new or amended information is made available.
- (d) The landscape fire death rate and the fire death rate (table 9A.7) rate are different. The scope and definition of the two measures differ according to:
- Fire type — the scope of the landscape fire death rate is landscape fires only (such as bushfires).
  - Cause of death — the total fire death rate (ABS) includes only deaths where smoke, fire and flames are assigned as the underlying cause of death. The landscape fire death rate includes all deaths that may have resulted from the landscape fire, but whose primary cause may be related to other factors (such as the onset of a stress related coronary death or a road crash death as a result of attempting to escape a fire).
  - Location of death — the landscape fire death rate records the location of death according to the location of the fire (not residential address of the victim).
- Nil or rounded to zero.

**Source:** Australasian Fire and Emergency Service Authorities Council (AFAC) (unpublished) Landscape Fire Deaths database; ABS (unpublished), *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.2).

Table 9A.9 Fire injuries (a), (b), (c), (d)

|   | NSW                       | Vic  | Qld   | WA   | SA   | Tas<br>(e) | ACT<br>(e) | NT<br>(e) | Aust  |
|---|---------------------------|------|-------|------|------|------------|------------|-----------|-------|
| <b>Hospital admissions due to fire injury</b> |                           |      |       |      |      |            |            |           |       |
| <b>Annual rate</b>                            | <b>per 100 000 people</b> |      |       |      |      |            |            |           |       |
| 2014-15                                       | 15.0                      | 12.1 | 17.7  | 19.7 | 19.6 | 19.8       | 8.0        | 79.4      | 16.3  |
| 2013-14                                       | 15.1                      | 12.0 | 19.2  | 19.3 | 28.6 | 15.4       | 9.6        | 78.3      | 17.2  |
| 2012-13                                       | 15.8                      | 11.3 | 21.9  | 22.2 | 24.8 | 16.2       | 9.5        | 92.5      | 18.0  |
| 2011-12                                       | 15.2                      | 14.0 | 21.1  | 20.1 | 23.0 | 16.0       | 8.6        | 84.8      | 17.8  |
| 2010-11                                       | 12.8                      | 14.1 | 20.2  | 19.4 | 21.4 | 16.9       | 4.7        | 86.8      | 16.6  |
| 2009-10                                       | 12.5                      | 13.5 | 17.6  | 16.3 | 20.1 | 17.4       | 4.8        | 89.6      | 15.5  |
| 2008-09                                       | 11.4                      | 13.4 | 21.0  | 15.3 | 20.8 | 16.1       | 8.8        | 88.1      | 15.8  |
| 2007-08                                       | 14.6                      | 12.4 | 17.9  | 16.7 | 20.9 | 15.9       | 5.8        | 90.0      | 16.1  |
| 2006-07                                       | 14.0                      | 12.9 | 15.9  | 18.8 | 22.0 | np         | np         | np        | 16.0  |
| 2005-06                                       | 16.4                      | 10.7 | 16.5  | 17.6 | 24.1 | np         | np         | np        | 16.3  |
| <b>Annual rate (3 year average)</b>           | <b>per 100 000 people</b> |      |       |      |      |            |            |           |       |
| 2012-13 to 2014-15                            | 15.3                      | 11.8 | 19.6  | 20.4 | 24.3 | 17.1       | 9.0        | 83.3      | 17.1  |
| 2011-12 to 2013-14                            | 15.4                      | 12.4 | 20.7  | 20.6 | 25.5 | 15.9       | 9.3        | 85.1      | 17.6  |
| 2010-11 to 2012-13                            | 14.6                      | 13.1 | 21.1  | 20.6 | 23.1 | 16.4       | 7.6        | 88.1      | 17.5  |
| 2009-10 to 2011-12                            | 13.5                      | 13.9 | 19.6  | 18.6 | 21.5 | 16.7       | 6.0        | 87.0      | 16.7  |
| 2008-09 to 2010-11                            | 12.2                      | 13.7 | 19.6  | 17.0 | 20.8 | 16.8       | 6.1        | 88.2      | 16.0  |
| 2007-08 to 2009-10                            | 12.8                      | 13.1 | 18.8  | 16.1 | 20.6 | 16.5       | 6.5        | 89.2      | 15.8  |
| 2006-07 to 2008-09                            | 13.3                      | 12.9 | 18.3  | 16.9 | 21.2 | np         | np         | np        | 16.0  |
| 2005-06 to 2007-08                            | 15.0                      | 12.0 | 16.8  | 17.7 | 22.3 | np         | np         | np        | 16.1  |
| <b>Total fire injury admissions</b>           | <b>number</b>             |      |       |      |      |            |            |           |       |
| 2014-15                                       | 1 138                     | 712  | 840   | 508  | 332  | 102        | 31         | 194       | 3 857 |
| 2013-14                                       | 1 125                     | 697  | 899   | 493  | 480  | 79         | 37         | 190       | 4 000 |
| 2012-13                                       | 1 162                     | 639  | 1 012 | 550  | 413  | 83         | 36         | 219       | 4 114 |
| 2011-12                                       | 1 100                     | 782  | 950   | 480  | 378  | 82         | 32         | 197       | 4 001 |
| 2010-11                                       | 918                       | 773  | 898   | 449  | 350  | 86         | 17         | 200       | 3 691 |
| 2009-10                                       | 885                       | 730  | 767   | 368  | 326  | 88         | 17         | 204       | 3 385 |
| 2008-09                                       | 798                       | 713  | 900   | 338  | 333  | 81         | 31         | 196       | 3 390 |
| 2007-08                                       | 1 008                     | 644  | 745   | 357  | 330  | 79         | 20         | 195       | 3 378 |
| 2006-07                                       | 951                       | 656  | 644   | 391  | 343  | np         | np         | np        | 3 305 |
| 2005-06                                       | 1 100                     | 537  | 653   | 357  | 373  | np         | np         | np        | 3 305 |

(a) Fire injuries are represented by hospital admissions and are reported by the State or Territory where the injury is treated.

(b) Fire injuries are coded according to the ICD and Related Health Problems Revision 10 (ICD-10) and include ICD fire injury codes X00-X09 plus X76, X97 and Y26.

(c) Population data used to derive rates are as at 31 December. See chapter 2 (table 2A.2) for details.

(d) The AIHW note that for the fire injuries measure, the period of the extended time series covers all six editions of the ICD-10-AM classification. Data providers have expressed concerns over the length of the series due to possible changes in the classification and inconsistent coding over time. Therefore, AIHW have expressed the opinion that a review of the consistency in coding over time is warranted.

(e) Jurisdiction notes:

Tas, ACT and NT:

Table 9A.9 **Fire injuries (a), (b), (c), (d)**

|  | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i><br>(e) | <i>ACT</i><br>(e) | <i>NT</i><br>(e) | <i>Aust</i> |
|--|------------|------------|------------|-----------|-----------|-------------------|-------------------|------------------|-------------|
|--|------------|------------|------------|-----------|-----------|-------------------|-------------------|------------------|-------------|

Data for 2005-06 to 2006-07 are not available. For 2005-06 to 2007-08, the average is calculated on only one year of data for these jurisdictions, and two years of data for the period 2006-07 to 2008-09.

**np** Not published.

*Source:* AIHW (unpublished) *Australian Hospital Statistics*, Cat. no. HSE 145; ABS (unpublished), *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.2).

Table 9A.10 **Confinement of building fires to room of origin (per cent) (a), (b)**

|  | <i>NSW</i> | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i><br>(c) | <i>ACT</i> | <i>NT</i> |
|--|------------|-------------------|-------------------|------------------|------------------|-------------------|------------|-----------|
| <b>All ignition types</b>                        |            |                   |                   |                  |                  |                   |            |           |
| 2015-16  | 73.3       | 71.7              | 68.2              | 69.4             | 66.3             | 57.0              | 78.0       | 90.4      |
| 2014-15  | 68.3       | 71.8              | 69.5              | 65.9             | 66.2             | 60.4              | 73.4       | 94.0      |
| 2013-14  | 63.2       | 73.5              | 69.0              | 66.1             | 66.1             | 59.9              | 80.3       | 81.8      |
| 2012-13  | 66.5       | 75.3              | 71.3              | 64.3             | 64.8             | 63.6              | 65.8       | 85.5      |
| 2011-12  | 66.1       | 74.9              | 70.0              | 63.7             | 62.0             | 57.9              | 72.8       | 69.4      |
| 2010-11  | 69.7       | 75.6              | 72.3              | 65.0             | 67.0             | 59.2              | 75.9       | 75.5      |
| <b>Incendiary and suspicious structure fires</b> |            |                   |                   |                  |                  |                   |            |           |
| 2015-16  | 52.2       | 59.4              | 57.0              | 57.4             | 46.0             | 48.1              | 68.4       | 87.0      |
| 2014-15  | 54.0       | 57.6              | 50.0              | 54.2             | 64.4             | 52.9              | 80.0       | 80.0      |
| 2013-14  | 50.9       | 60.1              | 47.8              | 54.5             | 64.4             | 50.4              | 76.5       | 75.0      |
| 2012-13  | 52.8       | 60.2              | 41.9              | 51.1             | 39.3             | 46.9              | 57.7       | 100.0     |
| 2011-12  | 54.4       | 58.1              | 51.8              | 50.9             | 45.0             | 43.2              | 66.7       | 100.0     |
| 2010-11  | 58.0       | 63.1              | 63.7              | 59.8             | 66.0             | 37.5              | 62.8       | 100.0     |
| <b>Accidental structure fires</b>                |            |                   |                   |                  |                  |                   |            |           |
| 2015-16  | 83.9       | 79.2              | 78.4              | 79.0             | 77.9             | 67.3              | 85.9       | 93.0      |
| 2014-15  | 80.3       | 79.6              | 80.0              | 77.3             | 75.2             | 70.8              | 75.6       | 95.6      |
| 2013-14  | 77.5       | 80.7              | 77.9              | 75.2             | 75.0             | 70.7              | 87.7       | 90.7      |
| 2012-13  | 80.0       | 82.8              | 80.8              | 73.9             | 75.9             | 72.7              | 76.3       | 86.0      |
| 2011-12  | 80.6       | 83.1              | 81.1              | 74.1             | 70.0             | 64.3              | 76.3       | 83.3      |
| 2010-11  | 81.5       | 82.6              | 82.2              | 82.9             | 73.0             | 76.6              | 84.6       | 72.0      |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) Jurisdictions provide data for both urban and rural services and for both career and volunteer services, other than Queensland and the NT — see footnote c for caveats.

(c) Jurisdiction notes:

*Vic*: Due to data collection issues, data are incomplete for 2005-06.

*Qld*: Structure fires within the Urban Service Administrative Areas (Levy District Boundaries A-D) are included. Excluded are non-emergency calls and those where QFES experienced delays due to either extreme weather conditions or where the initial response was by another agency or brigade. Only primary exposure incidents are included.

*WA*: Total confinement percentages include fires confined but not classified as either accidental or suspicious.

Data exclude incidents where containment codes are not completed.

*SA*: Total confinement percentages include fires confined but not classified as either accidental or suspicious.

For 2013-14, Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affected the collection of CFS incident data.

For 2004-05, Metropolitan Fire Service (MFS) industrial action between 18/4/05 to 20/06/05 affected the collection of MFS incident data (no incident reports completed during this period).

*Tas*: Due to industrial action 90 incident reports are incomplete in 2008-09.

*Source*: State and Territory governments (unpublished).

Table 9A.11 **Confinement of building and other structure fires to room/object of origin (per cent) (a), (b)**

|  | <i>NSW</i><br>(c) | <i>Vic</i> | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i><br>(c) | <i>Tas</i><br>(c) | <i>ACT</i> | <i>NT</i> |
|--|-------------------|------------|-------------------|------------------|------------------|-------------------|------------|-----------|
| <b>All ignition types</b>                        |                   |            |                   |                  |                  |                   |            |           |
| 2015-16  | na                | 75.1       | 82.6              | 76.0             | 75.1             | 67.1              | 88.8       | 90.4      |
| 2014-15  | 80.4              | 78.8       | 83.9              | 73.6             | 72.7             | 72.2              | 85.7       | 94.0      |
| 2013-14  | 76.9              | 81.7       | 84.0              | 74.6             | 72.6             | 71.6              | 89.2       | 81.8      |
| 2012-13  | 79.6              | 82.9       | 84.4              | 76.2             | 71.0             | 71.8              | 81.4       | 85.5      |
| 2011-12  | 80.1              | 82.9       | 84.5              | 77.7             | 70.0             | 74.7              | 85.8       | 82.6      |
| 2010-11  | 82.0              | 83.6       | 87.6              | 76.3             | 73.0             | 85.3              | 77.1       | 86.9      |
| <b>Incendiary and suspicious structure fires</b> |                   |            |                   |                  |                  |                   |            |           |
| 2015-16  | na                | 61.5       | 60.6              | 60.4             | 46.9             | 53.9              | 73.9       | 87.0      |
| 2014-15  | 58.9              | 61.1       | 56.1              | 56.8             | 65.2             | 54.5              | 84.4       | 80.0      |
| 2013-14  | 57.0              | 63.5       | 53.3              | 59.1             | 65.2             | 53.4              | 83.7       | 75.0      |
| 2012-13  | 58.6              | 64.1       | 46.1              | 56.1             | 41.3             | 50.0              | 69.4       | 100.0     |
| 2011-12  | 60.1              | 62.6       | 55.6              | 57.6             | 47.0             | 46.6              | 77.7       | 100.0     |
| 2010-11  | 63.0              | 68.1       | 68.1              | 55.9             | 67.0             | 39.9              | 63.6       | 100.0     |
| <b>Accidental structure fires</b>                |                   |            |                   |                  |                  |                   |            |           |
| 2015-16  | na                | 82.3       | 89.2              | 84.8             | 85.6             | 77.1              | 94.1       | 93.0      |
| 2014-15  | 89.8              | 85.4       | 89.6              | 84.0             | 81.9             | 82.7              | 87.9       | 95.6      |
| 2013-14  | 88.7              | 87.5       | 88.7              | 70.1             | 81.8             | 82.1              | 93.6       | 90.7      |
| 2012-13  | 89.9              | 88.9       | 89.4              | 84.5             | 81.6             | 82.7              | 84.1       | 86.0      |
| 2011-12  | 90.0              | 89.2       | 90.0              | 85.3             | 78.0             | 83.7              | 88.5       | 93.8      |
| 2010-11  | 91.0              | 89.0       | 91.2              | 72.9             | 80.0             | 56.4              | 85.7       | 81.6      |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) Jurisdictions provide data for both urban and rural services and for both career and volunteer services, other than Queensland and the NT — see footnote c for caveats.

(c) Jurisdiction notes:

**NSW:** the extent of flame damage is not collected for "other structure fires" such as fence fire, bridge fire and power pole fire.

**Qld:** Structure fires within the Urban Service Administrative Areas (Levy District Boundaries A-D) are included. Excluded are non-emergency calls and those where QFES experienced delays due to either extreme weather conditions or where the initial response was by another agency or brigade. Only primary exposure incidents are included.

**WA:** Total confinement percentages include fires confined but not classified as either accidental or suspicious.

Data exclude incidents where containment codes are not completed.

**SA:** Data include MFS, but exclude the CFS as they do not routinely collect the source data.

Data for confinement of small fires to object of origin are not available in 2006-07 and exclude incendiary incidents prior to 2010-11.

For 2013-14, Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affected the collection of CFS incident data.

Table 9A.11 **Confinement of building and other structure fires to room/object of origin (per cent) (a), (b)**

| <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|------------|------------|------------|-----------|-----------|------------|------------|-----------|
| (c)        |            | (c)        | (c)       | (c)       | (c)        |            |           |

For 2004-05, Metropolitan Fire Service (MFS) industrial action between 18/4/05 to 20/06/05 affected the collection of MFS incident data (no incident reports were completed during this period).

Tas: Due to industrial action 90 incident reports are incomplete in 2008-09.

**na** Not available.

*Source:* State and Territory governments (unpublished).

TABLE 9A.12

Table 9A.12 **Building and contents insurance, fire event claims (2015-16 dollars) (a), (b), (c), (d), (e), (f), (g), (h)**

|   |     | Household |       |       |      |      |         |      |      |       | Commercial (f) | Total |
|---|-----|-----------|-------|-------|------|------|---------|------|------|-------|----------------|-------|
|   |     | NSW       | Vic   | Qld   | WA   | SA   | Tas (i) | ACT  | NT   | Aust  | Aust           | Aust  |
| <b>Total value fire event insurance claims incurred</b> |     |           |       |       |      |      |         |      |      |       |                |       |
| 2015-16   | \$m | 159.5     | 157.9 | 129.5 | 56.3 | 63.6 | 32.5    | 5.9  | 4.2  | 609.5 | 196.6          | 806.1 |
| 2014-15   | \$m | 134.5     | 121.3 | 104.2 | 34.9 | 54.2 | 33.1    | 2.6  | 3.9  | 488.7 | 331.6          | 820.3 |
| 2013-14   | \$m | 159.4     | 143.5 | 68.7  | 31.2 | 25.2 | 28.6    | 4.4  | 3.1  | 464.0 | 258.3          | 722.3 |
| 2012-13   | \$m | 148.6     | 126.9 | 68.9  | 32.8 | 25.6 | 74.1    | 3.5  | 5.4  | 485.7 | 400.8          | 886.6 |
| 2011-12   | \$m | 131.3     | 119.5 | 76.6  | 66.9 | 26.7 | 20.1    | 5.8  | 4.2  | 451.0 | 281.2          | 732.2 |
| 2010-11   | \$m | 125.3     | 104.6 | 72.0  | 62.0 | 23.6 | 15.1    | 3.7  | 2.1  | 408.5 | 219.7          | 628.1 |
| 2009-10   | \$m | 123.5     | 104.8 | 72.1  | 35.7 | 24.4 | 17.6    | 4.0  | 2.4  | 384.4 | 303.1          | 687.5 |
| 2008-09   | \$m | 96.1      | 82.5  | 64.1  | 26.2 | 14.4 | 15.5    | 5.5  | 1.9  | 306.1 | 272.8          | 578.9 |
| 2007-08   | \$m | 93.2      | 80.2  | 59.1  | 20.3 | 17.2 | 14.2    | 3.7  | 1.5  | 289.5 | 374.1          | 663.6 |
| 2006-07   | \$m | 84.0      | 81.6  | 48.3  | 21.4 | 14.6 | 17.5    | 3.1  | 1.5  | 272.0 | 256.4          | 528.4 |
| 2005-06   | \$m | 92.3      | 76.9  | 54.7  | 14.0 | 11.8 | 12.4    | 4.6  | 1.3  | 268.1 | 352.8          | 620.9 |
| <b>Share of potential market (g), (h)</b>               |     |           |       |       |      |      |         |      |      |       |                |       |
| 2015-16   | %   | 62.7      | 71.1  | 65.8  | 68.3 | 71.5 | 75.1    | 63.7 | 52.4 | 67.1  | na             | na    |
| 2014-15   | %   | 62.9      | 70.6  | 65.9  | 68.0 | 70.9 | 75.5    | 64.1 | 53.9 | 67.0  | na             | na    |
| 2013-14   | %   | 63.6      | 72.3  | 67.1  | 68.5 | 71.9 | 76.2    | 64.6 | 54.0 | 68.0  | na             | na    |
| 2012-13   | %   | 64.3      | 72.8  | 69.1  | 68.6 | 72.0 | 77.4    | 65.8 | 54.0 | 68.8  | na             | na    |
| 2011-12   | %   | 65.4      | 73.1  | 70.9  | 68.3 | 68.9 | 78.7    | 67.1 | 53.8 | 69.4  | na             | na    |
| 2010-11   | %   | 66.4      | 74.1  | 71.3  | 67.8 | 66.3 | 80.1    | 68.7 | 50.1 | 69.7  | na             | na    |
| 2009-10   | %   | 67.1      | 74.4  | 72.5  | 68.7 | 66.6 | 79.3    | 69.6 | 49.5 | 70.4  | na             | na    |
| 2008-09   | %   | 61.7      | 65.8  | 65.5  | 61.8 | 51.0 | 67.6    | 65.6 | 42.2 | 62.7  | na             | na    |
| 2007-08   | %   | 50.6      | 58.5  | 64.4  | 58.4 | 48.9 | 64.6    | 58.7 | 37.6 | 56.4  | na             | na    |
| 2006-07   | %   | 50.2      | 58.5  | 64.1  | 59.0 | 48.7 | 65.0    | 59.0 | 36.9 | 56.2  | na             | na    |
| 2005-06   | %   | 49.5      | 58.5  | 63.9  | 58.8 | 49.2 | 65.2    | 59.4 | 36.5 | 56.0  | na             | na    |



TABLE 9A.12

Table 9A.12 **Building and contents insurance, fire event claims (2015-16 dollars) (a), (b), (c), (d), (e), (f), (g), (h)**

|   |     | <i>Household</i> |            |            |           |           |                |            |           |             | <i>Commercial (f)</i> | <i>Total</i> |
|---|-----|------------------|------------|------------|-----------|-----------|----------------|------------|-----------|-------------|-----------------------|--------------|
|   |     | <i>NSW</i>       | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas (i)</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> | <i>Aust</i>           | <i>Aust</i>  |
| <b>Number of fire event insurance claims incurred</b> |     |                  |            |            |           |           |                |            |           |             |                       |              |
| 2015-16   | no. | 2 265            | 2 623      | 2 320      | 1 318     | 1 276     | 384            | 111        | 238       | 10 534      | 2 132                 | 12 666       |
| 2014-15   | no. | 2 403            | 2 521      | 1 819      | 1 007     | 1 125     | 378            | 96         | 265       | 9 611       | 2 304                 | 11 915       |
| 2013-14   | no. | 2 455            | 3 034      | 1 412      | 1 099     | 862       | 429            | 102        | 224       | 9 604       | 2 124                 | 11 728       |
| 2012-13   | no. | 2 617            | 2 892      | 1 652      | 1 044     | 866       | 851            | 129        | 177       | 10 226      | 2 670                 | 12 896       |
| 2011-12   | no. | 2 716            | 2 890      | 1 826      | 1 111     | 841       | 462            | 136        | 122       | 10 101      | 2 429                 | 12 530       |
| 2010-11   | no. | 3 011            | 3 059      | 1 847      | 1 334     | 895       | 502            | 130        | 61        | 10 837      | 2 426                 | 13 263       |
| 2009-10   | no. | 3 098            | 3 062      | 2 150      | 1 193     | 905       | 483            | 120        | 46        | 11 055      | 3 018                 | 14 073       |
| 2008-09   | no. | 2 574            | 2 795      | 1 969      | 1 049     | 716       | 478            | 150        | 46        | 9 776       | 2 651                 | 12 427       |
| 2007-08   | no. | 2 189            | 2 321      | 1 893      | 1 016     | 702       | 435            | 123        | 42        | 8 719       | 2 856                 | 11 575       |
| 2006-07   | no. | 2 340            | 2 878      | 1 981      | 1 104     | 745       | 570            | 131        | 39        | 9 786       | 2 874                 | 12 660       |
| 2005-06   | no. | 2 432            | 2 520      | 2 256      | 1 040     | 624       | 400            | 132        | 31        | 9 433       | 3 246                 | 12 679       |
| <b>Average value of fire event insurance claims</b>   |     |                  |            |            |           |           |                |            |           |             |                       |              |
| 2015-16   | \$  | 70 404           | 60 216     | 55 836     | 42 712    | 49 838    | 84 848         | 53 193     | 17 759    | 57 858      | 92 237                | 150 095      |
| 2014-15   | \$  | 55 973           | 48 102     | 57 318     | 34 694    | 48 162    | 87 690         | 27 216     | 14 812    | 50 849      | 143 935               | 194 784      |
| 2013-14   | \$  | 65 211           | 47 312     | 48 677     | 28 387    | 29 221    | 66 641         | 43 004     | 13 684    | 48 316      | 121 627               | 169 943      |
| 2012-13   | \$  | 56 798           | 43 870     | 41 704     | 31 421    | 29 516    | 87 072         | 27 390     | 30 578    | 47 498      | 150 123               | 197 621      |
| 2011-12   | \$  | 48 328           | 41 351     | 41 962     | 60 181    | 31 739    | 43 578         | 42 973     | 34 608    | 44 651      | 115 750               | 160 401      |
| 2010-11   | \$  | 41 630           | 34 210     | 39 004     | 46 476    | 26 327    | 30 196         | 28 689     | 33 910    | 37 695      | 90 544                | 128 238      |
| 2009-10   | \$  | 39 861           | 34 230     | 33 566     | 29 899    | 26 928    | 36 481         | 33 271     | 52 021    | 34 776      | 100 429               | 135 205      |
| 2008-09   | \$  | 37 335           | 29 525     | 32 531     | 24 990    | 20 085    | 32 335         | 36 542     | 42 517    | 31 314      | 102 895               | 134 209      |
| 2007-08   | \$  | 42 578           | 34 571     | 31 208     | 19 947    | 24 588    | 32 791         | 30 292     | 35 724    | 33 202      | 130 991               | 164 192      |
| 2006-07   | \$  | 35 920           | 28 361     | 24 366     | 19 409    | 19 644    | 30 731         | 23 606     | 38 156    | 27 799      | 89 218                | 117 017      |
| 2005-06   | \$  | 37 950           | 30 542     | 24 239     | 13 426    | 18 975    | 31 092         | 35 060     | 44 134    | 28 422      | 108 688               | 137 110      |

Table 9A.12 **Building and contents insurance, fire event claims (2015-16 dollars) (a), (b), (c), (d), (e), (f), (g), (h)**

|   | <i>Household</i> |            |            |           |           |                |            |           |             | <i>Commercial (f)</i> | <i>Total</i> |       |
|---|------------------|------------|------------|-----------|-----------|----------------|------------|-----------|-------------|-----------------------|--------------|-------|
|   | <i>NSW</i>       | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas (i)</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> | <i>Aust</i>           | <i>Aust</i>  |       |
| <b>Total value of fire event insurance claims per person in the population</b>                      |                  |            |            |           |           |                |            |           |             |                       |              |       |
| 2015-16   | \$               | 20.79      | 26.34      | 26.93     | 21.62     | 37.35          | 62.89      | 15.02     | 17.32       | 25.46                 | 8.21         | 33.67 |
| 2014-15   | \$               | 17.77      | 20.60      | 21.94     | 13.53     | 32.02          | 64.33      | 6.71      | 16.04       | 20.69                 | 14.04        | 34.72 |
| 2013-14   | \$               | 21.36      | 24.78      | 14.65     | 12.22     | 15.01          | 55.56      | 11.36     | 12.61       | 19.90                 | 11.08        | 30.98 |
| 2012-13   | \$               | 20.23      | 22.34      | 14.94     | 13.27     | 15.38          | 144.52     | 9.27      | 22.78       | 21.20                 | 17.50        | 38.70 |
| 2011-12   | \$               | 18.11      | 21.43      | 16.97     | 28.01     | 16.22          | 39.30      | 15.71     | 18.10       | 20.06                 | 12.50        | 32.56 |
| 2010-11   | \$               | 17.46      | 19.04      | 16.23     | 26.73     | 14.43          | 29.68      | 10.18     | 8.91        | 18.42                 | 9.91         | 28.33 |
| 2009-10   | \$               | 17.39      | 19.34      | 16.52     | 15.76     | 15.05          | 34.79      | 11.11     | 10.51       | 17.58                 | 13.86        | 31.44 |
| 2008-09   | \$               | 13.72      | 15.53      | 14.98     | 11.87     | 8.99           | 30.80      | 15.61     | 8.69        | 14.25                 | 12.70        | 26.96 |
| 2007-08   | \$               | 13.54      | 15.43      | 14.20     | 9.49      | 10.93          | 28.73      | 10.83     | 6.93        | 13.77                 | 17.80        | 31.57 |
| 2006-07   | \$               | 12.38      | 15.99      | 11.90     | 10.32     | 9.37           | 35.61      | 9.10      | 7.05        | 13.19                 | 12.43        | 25.62 |
| 2005-06   | \$               | 13.74      | 15.32      | 13.79     | 6.88      | 7.66           | 25.45      | 13.82     | 6.49        | 13.20                 | 17.37        | 30.57 |
| <b>Total value of fire event insurance claims per person in the population — Three year average</b> |                  |            |            |           |           |                |            |           |             |                       |              |       |
| 2013-14 to 2015-16  | \$               | 19.97      | 23.91      | 21.17     | 15.79     | 28.12          | 60.93      | 11.03     | 15.32       | 22.01                 | 11.11        | 33.12 |
| 2012-13 to 2014-15  | \$               | 19.79      | 22.57      | 17.18     | 13.01     | 20.80          | 88.14      | 9.11      | 17.14       | 20.60                 | 14.20        | 34.80 |
| 2011-12 to 2013-14  | \$               | 19.90      | 22.85      | 15.52     | 17.83     | 15.53          | 79.79      | 12.11     | 17.83       | 20.39                 | 13.69        | 34.08 |
| 2010-11 to 2012-13  | \$               | 18.60      | 20.94      | 16.05     | 22.67     | 15.34          | 71.17      | 11.72     | 16.60       | 19.90                 | 13.30        | 33.20 |
| 2009-10 to 2011-12  | \$               | 17.65      | 19.94      | 16.58     | 23.50     | 15.23          | 34.59      | 12.33     | 12.50       | 18.69                 | 12.09        | 30.78 |
| 2008-09 to 2010-11  | \$               | 16.19      | 17.97      | 15.91     | 18.12     | 12.83          | 31.76      | 12.30     | 9.37        | 16.75                 | 12.16        | 28.91 |
| 2007-08 to 2009-10  | \$               | 14.88      | 16.77      | 15.23     | 12.37     | 11.66          | 31.44      | 12.52     | 8.71        | 15.20                 | 14.79        | 29.99 |
| 2006-07 to 2008-09  | \$               | 13.21      | 15.65      | 13.69     | 10.56     | 9.76           | 31.71      | 11.85     | 7.56        | 13.74                 | 14.31        | 28.05 |
| 2005-06 to 2007-08  | \$               | 13.22      | 15.58      | 13.30     | 8.90      | 9.32           | 29.93      | 11.25     | 6.82        | 13.39                 | 15.87        | 29.25 |

(a) Time series financial data are adjusted to 2015-16 dollars using the Domestic Final Demand (DFD) deflator (2015-16 = 100). The DFD deflator is preferred to the General Government Final Consumption Expenditure (GGFCE) deflator for this table, as asset losses are more closely aligned to the range of consumption and capital goods represented in the DFD than general government consumption. See table 2A.48 and chapter 2 for more information on the GGFCE deflator.

(b) Population data used to derive rates are as at 31 December. ERP data for 2004 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.

Table 9A.12 **Building and contents insurance, fire event claims (2015-16 dollars) (a), (b), (c), (d), (e), (f), (g), (h)**

|  | Household |     |     |    |    |         |     |    |      | Commercial (f) | Total |
|--|-----------|-----|-----|----|----|---------|-----|----|------|----------------|-------|
|  | NSW       | Vic | Qld | WA | SA | Tas (i) | ACT | NT | Aust | Aust           | Aust  |

(c) Building and content insurance data are subject to revisions. As a part of their regular submissions to Insurance Statistics Australia (ISA), insurance companies update historic data on claims for fire events which were finalised after the end of the financial year.

(d) Not to be reproduced, published or used without the permission of Insurance Statistics Australia Limited. Please include acknowledgements of Insurance Statistics Australia Ltd as the source.

(e) Data exclude major events (total claims greater than \$100 million).

(f) Data for commercial property are not available by State and Territory.

(g) The percentage of market figures for householder and homeowners insurance are based on projections of the numbers of private dwellings (excluding strata units) and number of households using data from various ABS publications including estimated resident populations. These projections are undertaken by Finity Consulting on behalf of ISA. An average of the number of households and private dwellings is taken as a measure of the potential market for householders insurance.

(h) ISA estimate that their data cover approximately 69 and 60 per cent of the potential domestic and commercial insurance markets respectively.

(i) Jurisdiction notes:

Tas: A large increase in the fire event insurance claims in 2012-13 coincides with the Tasmanian 2013 bushfires. The insurance claims did not exceed \$100 million and have therefore not been classified as a major event.

Source: ISA Database (unpublished); ABS (unpublished), Australian Demographic Statistics, Cat. no. 3101.0 (table 2A.2); ABS 2016, Australian National Accounts: National Income, Expenditure and Product, June 2016, Cat. no. 5206.0 (table 2A.48).

TABLE 9A.13

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | NSW            | Vic (d)       | Qld (d)       | WA (d)        | SA (d)        | Tas (d)       | ACT (d)       | NT (d)       | Aust           |
|---|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|
| <b>2015-16</b>  |                |               |               |               |               |               |               |              |                |
| <b>Fires</b>  |                |               |               |               |               |               |               |              |                |
| Structure fires                                       | 6 623          | 5 754         | 2 754         | 1 295         | 1 616         | 489           | 238           | 166          | 18 935         |
| Landscape fires                                       | 13 657         | 6 330         | 9 154         | 5 484         | 2 879         | 1 518         | 196           | 1 742        | 40 960         |
| <i>Attended to by fire service provider</i>           | 13 425         | 5 182         | 9 154         | 4 964         | 2 879         | 1 477         | 196           | 1 567        | 38 844         |
| <i>Attended to by land management agency</i>          | 232            | 1 148         | na            | 520           | na            | 41            | na            | 175          | 2 116          |
| Other fires   | 12 540         | 10 660        | 6 179         | 3 246         | 2 852         | 1 269         | 497           | 295          | 37 538         |
| <b>Total fires</b>                                    | <b>32 820</b>  | <b>22 744</b> | <b>18 087</b> | <b>10 025</b> | <b>7 347</b>  | <b>3 276</b>  | <b>931</b>    | <b>2 203</b> | <b>97 433</b>  |
| <b>Other emergencies and incidents</b>                |                |               |               |               |               |               |               |              |                |
| Non-fire rescue calls incl. road crash rescue         | 19 671         | 14 254        | 16 594        | 3 542         | 7 202         | 1 199         | 1 599         | 858          | 64 919         |
| Hazardous conditions                                  | 10 379         | 7 328         | 3 543         | 567           | 1 599         | 208           | 459           | 8            | 24 091         |
| Floods, storm and tempest and other natural disasters | 5 014          | 4 259         | 5 290         | 183           | 3 350         | 350           | 971           | 26           | 19 443         |
| Good intent calls                                     | 13 928         | 8 286         | 3 482         | 3 510         | 2 725         | 968           | 850           | 50           | 33 799         |
| Malicious false calls                                 | 1 411          | 879           | 652           | 350           | 273           | 77            | 55            | 39           | 3 736          |
| System initiated false alarms                         | 45 547         | 8 065         | 18 813        | 10 149        | 7 006         | 2 940         | 5 825         | 2 648        | 100 993        |
| Other   | 10 797         | 2 707         | 2 630         | 1 013         | 1 044         | 77            | 464           | 1 415        | 20 147         |
| <b>Total other emergencies and incidents</b>          | <b>106 747</b> | <b>45 778</b> | <b>51 004</b> | <b>19 314</b> | <b>23 199</b> | <b>5 819</b>  | <b>10 223</b> | <b>5 044</b> | <b>267 128</b> |
| Incident type not determined or not classified        | 5 017          | 10 394        | –             | 4             | –             | 2 464         | –             | –            | 17 879         |
| <b>Total fires, other emergencies and incidents</b>   | <b>144 584</b> | <b>78 916</b> | <b>69 091</b> | <b>29 343</b> | <b>30 546</b> | <b>11 559</b> | <b>11 154</b> | <b>7 247</b> | <b>382 440</b> |
| <b>2014-15</b>  |                |               |               |               |               |               |               |              |                |
| <b>Fires</b>  |                |               |               |               |               |               |               |              |                |
| Structure fires                                       | 7 166          | 5 663         | 2 704         | 1 327         | 1 502         | 553           | 240           | 201          | 19 356         |

TABLE 9A.13

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| Landscape fires                                       | 11 866         | 6 591          | 9 924          | 6 540         | 2 946         | 1 443          | 185            | 2 296         | 41 791         |
| Other fires   | 11 845         | 9 702          | 6 393          | 3 561         | 2 694         | 1 452          | 429            | 322           | 36 398         |
| <b>Total fires</b>                                    | <b>30 877</b>  | <b>21 956</b>  | <b>19 021</b>  | <b>11 428</b> | <b>7 142</b>  | <b>3 448</b>   | <b>854</b>     | <b>2 819</b>  | <b>97 545</b>  |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 20 333         | 14 635         | 16 997         | 3 283         | 6 595         | 1 285          | 1 440          | 870           | 65 438         |
| Hazardous conditions                                  | 10 800         | 7 279          | 3 735          | 1 060         | 1 541         | 262            | 449            | 154           | 25 280         |
| Floods, storm and tempest and other natural disasters | 6 133          | 3 994          | 5 498          | 34            | 2 761         | 355            | 800            | 7             | 19 582         |
| Good intent calls                                     | 13 762         | 10 799         | 3 430          | 2 956         | 2 869         | 1 245          | 655            | 261           | 35 977         |
| Malicious false calls                                 | 1 181          | 1 201          | 734            | 188           | 284           | 95             | 48             | 49            | 3 780          |
| System initiated false alarms                         | 50 371         | 14 889         | 19 037         | 9 583         | 7 075         | 3 393          | 5 731          | 2 777         | 112 856        |
| Other   | 12 760         | 2 282          | 3 021          | 2 311         | 960           | 53             | 336            | 482           | 22 205         |
| <b>Total other emergencies and incidents</b>          | <b>115 340</b> | <b>55 079</b>  | <b>52 452</b>  | <b>19 415</b> | <b>22 085</b> | <b>6 688</b>   | <b>9 459</b>   | <b>4 600</b>  | <b>285 118</b> |
| Incident type not determined or not classified        | 1 793          | 8              | –              | na            | –             | 654            | –              | –             | na             |
| <b>Total fires, other emergencies and incidents</b>   | <b>148 010</b> | <b>77 043</b>  | <b>71 473</b>  | <b>30 843</b> | <b>29 227</b> | <b>10 790</b>  | <b>10 313</b>  | <b>7 419</b>  | <b>385 118</b> |
| <b>2013-14</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 6 992          | 5 977          | 2 713          | 1 360         | 1 475         | 631            | 239            | 137           | 19 524         |
| Landscape fires                                       | 13 958         | 5 872          | 11 066         | 5 805         | 3 240         | 1 658          | 210            | 2 013         | 43 822         |
| Other fires   | 13 134         | 9 837          | 6 978          | 3 821         | 2 729         | 1 452          | 426            | 320           | 38 697         |
| <b>Total fires</b>                                    | <b>34 084</b>  | <b>21 686</b>  | <b>20 757</b>  | <b>10 986</b> | <b>7 444</b>  | <b>3 741</b>   | <b>875</b>     | <b>2 470</b>  | <b>102 043</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 19 648         | 13 862         | 16 770         | 3 100         | 6 151         | 1 360          | 1 315          | 782           | 62 988         |
| Hazardous conditions                                  | 9 588          | 7 347          | 3 646          | 1 173         | 1 587         | 252            | 366            | 135           | 24 094         |

TABLE 9A.13

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| Floods, storm and tempest and other natural disasters | 10 436         | 3 704          | 4 367          | 22            | 3 939         | 309            | 1 003          | 196           | 23 976         |
| Good intent calls                                     | 15 749         | 10 841         | 3 351          | 2 592         | 2 916         | 1 191          | 648            | 269           | 37 557         |
| Malicious false calls                                 | 1 685          | 1 307          | 803            | 170           | 327           | 93             | 50             | 37            | 4 472          |
| System initiated false alarms                         | 43 068         | 14 530         | 18 187         | 9 387         | 7 708         | 3 566          | 5 919          | 2 774         | 105 139        |
| Other   | 11 483         | 2 212          | 2 553          | 2 625         | 1 120         | 55             | 335            | 281           | 20 664         |
| <b>Total other emergencies and incidents</b>          | <b>111 657</b> | <b>53 803</b>  | <b>49 677</b>  | <b>19 069</b> | <b>23 748</b> | <b>6 826</b>   | <b>9 636</b>   | <b>4 474</b>  | <b>278 890</b> |
| Incident type not determined or not classified        | 2 277          | 6              | –              | –             | –             | 383            | na             | 594           | na             |
| <b>Total fires, other emergencies and incidents</b>   | <b>148 018</b> | <b>75 495</b>  | <b>70 434</b>  | <b>30 055</b> | <b>31 192</b> | <b>10 950</b>  | <b>10 511</b>  | <b>7 538</b>  | <b>384 193</b> |
| <b>2012-13</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 6 719          | 6 200          | 2 949          | 1 475         | 1 540         | 676            | 228            | 160           | 19 947         |
| Landscape fires                                       | 17 932         | 7 529          | 11 480         | 6 044         | 1 280         | 1 893          | 290            | 2 308         | 48 756         |
| Other fires   | 15 807         | 10 916         | 7 328          | 4 049         | 3 068         | 1 549          | 487            | 378           | 43 582         |
| <b>Total fires</b>                                    | <b>40 458</b>  | <b>24 645</b>  | <b>21 757</b>  | <b>11 568</b> | <b>5 888</b>  | <b>4 118</b>   | <b>1 005</b>   | <b>2 846</b>  | <b>112 285</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 19 005         | 12 422         | 17 201         | 3 128         | 6 114         | 1 217          | 1 372          | 723           | 61 182         |
| Hazardous conditions                                  | 10 402         | 7 161          | 4 080          | 871           | 1 582         | 244            | 415            | 163           | 24 918         |
| Floods, storm and tempest and other natural disasters | 10 344         | 3 394          | 4 777          | 14            | 2 968         | 304            | 1 032          | 207           | 23 040         |
| Good intent calls                                     | 15 926         | 11 131         | 3 491          | 2 534         | 2 978         | 1 235          | 639            | 265           | 38 199         |
| Malicious false calls                                 | 2 188          | 1 450          | 883            | 359           | 301           | 92             | 80             | 41            | 5 394          |
| System initiated false alarms                         | 49 966         | 13 973         | 19 717         | 10 100        | 7 306         | 3 368          | 5 888          | 2 421         | 112 739        |
| Other   | 7 573          | 1 976          | 3 763          | 1 564         | 847           | 44             | 297            | 280           | 16 344         |

TABLE 9A.13

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| <b>Total other emergencies and incidents</b>          | <b>115 404</b> | <b>51 507</b>  | <b>53 912</b>  | <b>18 570</b> | <b>22 096</b> | <b>6 504</b>   | <b>9 723</b>   | <b>4 100</b>  | <b>281 816</b> |
| Incident type not determined or not classified        | 1 536          | 6              | –              | –             | –             | 788            | –              | 495           | 2 825          |
| <b>Total fires, other emergencies and incidents</b>   | <b>157 398</b> | <b>76 158</b>  | <b>75 669</b>  | <b>30 138</b> | <b>27 984</b> | <b>11 410</b>  | <b>10 728</b>  | <b>7 441</b>  | <b>396 926</b> |
| <b>2011-12</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 6 402          | 6 278          | 3 017          | 1 442         | 1 494         | 645            | 265            | 175           | 19 718         |
| Landscape fires                                       | 10 568         | 4 825          | 9 367          | 6 366         | 2 382         | 1 775          | 199            | 2 504         | 37 986         |
| Other fires   | 15 963         | 10 154         | 6 870          | 4 105         | 3 211         | 1 701          | 505            | 375           | 42 884         |
| <b>Total fires</b>                                    | <b>32 933</b>  | <b>21 257</b>  | <b>19 254</b>  | <b>11 913</b> | <b>7 087</b>  | <b>4 121</b>   | <b>969</b>     | <b>3 054</b>  | <b>100 588</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 19 268         | 11 785         | 16 754         | 2 728         | 5 934         | 1 259          | 1 372          | 684           | 59 784         |
| Hazardous conditions                                  | 10 386         | 6 530          | 3 462          | 1 031         | 1 618         | 256            | 408            | 151           | 23 842         |
| Floods, storm and tempest and other natural disasters | 10 517         | 3 265          | 3 887          | 701           | 2 998         | 387            | 1 203          | 191           | 23 149         |
| Good intent calls                                     | 13 864         | 10 535         | 2 892          | 1 807         | 2 628         | 1 105          | 655            | 262           | 33 748         |
| Malicious false calls                                 | 2 267          | 1 647          | 852            | 335           | 324           | 126            | 146            | 77            | 5 774          |
| System initiated false alarms                         | 53 336         | 14 102         | 20 548         | 10 627        | 7 804         | 3 807          | 6 280          | 2 658         | 119 162        |
| Other   | 5 422          | 1 970          | 2 420          | 1 240         | –             | 44             | 334            | 329           | 11 759         |
| <b>Total other emergencies and incidents</b>          | <b>115 060</b> | <b>49 834</b>  | <b>50 815</b>  | <b>18 469</b> | <b>21 306</b> | <b>6 984</b>   | <b>10 398</b>  | <b>4 352</b>  | <b>277 218</b> |
| Incident type not determined or not classified        | 1 743          | 6              | –              | –             | –             | 432            | –              | 401           | 2 582          |
| <b>Total fires, other emergencies and incidents</b>   | <b>149 736</b> | <b>71 097</b>  | <b>70 069</b>  | <b>30 382</b> | <b>28 393</b> | <b>11 537</b>  | <b>11 367</b>  | <b>7 807</b>  | <b>380 388</b> |

**2010-11**

TABLE 9A.13

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 6 675          | 6 307          | 2 811          | 1 567         | 1 403         | 663            | 245            | 136           | 19 807         |
| Landscape fires                                       | 11 222         | 2 520          | 5 072          | 7 175         | 1 944         | 1 413          | 142            | 1 393         | 30 881         |
| Other fires   | 16 130         | 8 929          | 5 897          | 3 753         | 3 215         | 1 582          | 513            | 317           | 40 336         |
| <b>Total fires</b>                                    | <b>34 027</b>  | <b>17 756</b>  | <b>13 780</b>  | <b>12 495</b> | <b>6 562</b>  | <b>3 658</b>   | <b>900</b>     | <b>1 846</b>  | <b>91 024</b>  |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 18 453         | 10 629         | 16 151         | 2 585         | 6 289         | 1 381          | 1 497          | 717           | 57 702         |
| Hazardous conditions                                  | 10 734         | 6 371          | 3 769          | 908           | 1 717         | 227            | 438            | 155           | 24 319         |
| Floods, storm and tempest and other natural disasters | 9 755          | 3 604          | 5 013          | 51            | 3 805         | 440            | 1 452          | 208           | 24 328         |
| Good intent calls                                     | 13 709         | 10 048         | 3 026          | 1 683         | 2 581         | 1 079          | 651            | 333           | 33 110         |
| Malicious false calls                                 | 2 731          | 1 605          | 985            | 327           | 307           | 150            | 125            | 62            | 6 292          |
| System initiated false alarms                         | 53 615         | 14 835         | 22 725         | 9 283         | 8 261         | 4 067          | 6 468          | 2 801         | 122 055        |
| Other   | 5 855          | 2 114          | 3 040          | 1 680         | 1 082         | 51             | 321            | 654           | 14 797         |
| <b>Total other emergencies and incidents</b>          | <b>114 852</b> | <b>49 206</b>  | <b>54 709</b>  | <b>16 517</b> | <b>24 042</b> | <b>7 395</b>   | <b>10 952</b>  | <b>4 930</b>  | <b>282 603</b> |
| Incident type not determined or not classified        | 937            | 7              | –              | –             | 1             | 384            | –              | 474           | 1 803          |
| <b>Total fires, other emergencies and incidents</b>   | <b>149 816</b> | <b>66 969</b>  | <b>68 489</b>  | <b>29 012</b> | <b>30 605</b> | <b>11 437</b>  | <b>11 852</b>  | <b>7 250</b>  | <b>375 430</b> |
| <b>2009-10</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 7 044          | 6 286          | 2 688          | 1 550         | 1 418         | 694            | 246            | 114           | 20 040         |
| Landscape fires                                       | 16 201         | 5 253          | 10 298         | 7 199         | 2 810         | 1 925          | 268            | 1 343         | 45 297         |
| Other fires   | 17 540         | 10 511         | 5 463          | 3 909         | 3 486         | 1 669          | 709            | 378           | 43 665         |
| <b>Total fires</b>                                    | <b>40 785</b>  | <b>22 050</b>  | <b>18 449</b>  | <b>12 658</b> | <b>7 714</b>  | <b>4 288</b>   | <b>1 223</b>   | <b>1 835</b>  | <b>109 002</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |



TABLE 9A.13

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| Non-fire rescue calls incl. road crash rescue         | 16 969         | 9 668          | 14 914         | 1 984         | 5 864         | 1 293          | 1 461          | 693           | 52 846         |
| Hazardous conditions                                  | 11 126         | 6 391          | 3 437          | 857           | 1 608         | 223            | 403            | 180           | 24 225         |
| Floods, storm and tempest and other natural disasters | 9 098          | 2 853          | 2 822          | 739           | 2 378         | 431            | 1 062          | 210           | 19 593         |
| Good intent calls                                     | 14 278         | 10 528         | 5 618          | 1 401         | 2 654         | 1 104          | 621            | 254           | 36 458         |
| Malicious false calls                                 | 3 208          | 1 896          | 1 222          | 330           | 367           | 135            | 117            | 87            | 7 362          |
| System initiated false alarms                         | 49 324         | 12 732         | 20 418         | 8 972         | 7 714         | 3 872          | 5 713          | 2 470         | 111 215        |
| Other   | 10 241         | 1 846          | 1 939          | 1 066         | 934           | 110            | 325            | 471           | 16 932         |
| <b>Total other emergencies and incidents</b>          | <b>114 244</b> | <b>45 914</b>  | <b>50 370</b>  | <b>15 349</b> | <b>21 519</b> | <b>7 168</b>   | <b>9 702</b>   | <b>4 365</b>  | <b>268 631</b> |
| Incident type not determined or not classified        | 730            | 5              | –              | –             | –             | 751            | –              | 450           | 1 936          |
| <b>Total fires, other emergencies and incidents</b>   | <b>155 759</b> | <b>67 969</b>  | <b>68 819</b>  | <b>28 007</b> | <b>29 233</b> | <b>12 207</b>  | <b>10 925</b>  | <b>6 650</b>  | <b>379 569</b> |
| <b>2008-09</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 6 917          | 6 459          | 2 960          | 1 543         | 1 469         | 805            | 263            | 172           | 20 588         |
| Landscape fires                                       | 14 583         | 7 661          | 7 358          | 7 607         | 2 749         | 1 966          | 337            | 1 640         | 43 901         |
| Other fires   | 18 452         | 12 507         | 5 565          | 4 419         | 3 754         | 1 617          | 899            | 383           | 47 596         |
| <b>Total fires</b>                                    | <b>39 952</b>  | <b>26 627</b>  | <b>15 883</b>  | <b>13 569</b> | <b>7 972</b>  | <b>4 388</b>   | <b>1 499</b>   | <b>2 195</b>  | <b>112 085</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 16 548         | 9 606          | 17 831         | 1 869         | 5 717         | 1 422          | 1 274          | 714           | 54 981         |
| Hazardous conditions                                  | 12 570         | 6 181          | 3 529          | 922           | 1 522         | 222            | 440            | 147           | 25 533         |
| Floods, storm and tempest and other natural disasters | 8 197          | 2 839          | 2 784          | 955           | 2 131         | 398            | 888            | 248           | 18 440         |
| Good intent calls                                     | 13 561         | 11 421         | 5 100          | 1 571         | 2 332         | 1 121          | 597            | 342           | 36 045         |
| Malicious false calls                                 | 3 747          | 2 229          | 1 441          | 380           | 372           | 124            | 110            | 139           | 8 542          |

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| System initiated false alarms                         | 54 706         | 12 590         | 21 264         | 8 657         | 7 364         | 3 742          | 5 622          | 2 676         | 116 621        |
| Other   | 5 652          | 1 839          | 2 198          | 931           | 745           | 53             | 354            | 334           | 12 106         |
| <b>Total other emergencies and incidents</b>          | <b>114 981</b> | <b>46 705</b>  | <b>54 147</b>  | <b>15 285</b> | <b>20 183</b> | <b>7 082</b>   | <b>9 285</b>   | <b>4 600</b>  | <b>272 268</b> |
| Incident type not determined or not classified        | 1 682          | 4              | –              | –             | –             | 301            | 24             | –             | 2 011          |
| <b>Total fires, other emergencies and incidents</b>   | <b>156 615</b> | <b>73 336</b>  | <b>70 030</b>  | <b>28 854</b> | <b>28 155</b> | <b>11 771</b>  | <b>10 808</b>  | <b>6 795</b>  | <b>386 364</b> |
| <b>2007-08</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 7 179          | 6 391          | 2 893          | 1 538         | 1 544         | 639            | 246            | 173           | 20 603         |
| Landscape fires                                       | 13 605         | 7 553          | 8 093          | 7 114         | 2 862         | 2 048          | 237            | 1 789         | 43 301         |
| Other fires   | 18 461         | 11 297         | 5 774          | 4 251         | 4 137         | 1 381          | 541            | 361           | 46 203         |
| <b>Total fires</b>                                    | <b>39 245</b>  | <b>25 241</b>  | <b>16 760</b>  | <b>12 903</b> | <b>8 543</b>  | <b>4 068</b>   | <b>1 024</b>   | <b>2 323</b>  | <b>110 107</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 15 465         | 8 954          | 17 261         | 1 686         | 5 240         | 1 153          | 1 315          | 638           | 51 712         |
| Hazardous conditions                                  | 12 508         | 6 365          | 3 468          | 1 109         | 1 599         | 212            | 431            | 200           | 25 892         |
| Floods, storm and tempest and other natural disasters | 7 508          | 3 005          | 2 859          | 842           | 2 043         | 388            | 809            | 234           | 17 688         |
| Good intent calls                                     | 12 976         | 10 821         | 5 241          | 1 285         | 2 053         | 1 126          | 603            | 309           | 34 414         |
| Malicious false calls                                 | 4 321          | 2 521          | 1 598          | 395           | 410           | 152            | 164            | 123           | 9 684          |
| System initiated false alarms                         | 51 193         | 12 807         | 20 916         | 8 682         | 8 423         | 3 290          | 5 768          | 2 319         | 113 398        |
| Other   | 8 716          | 1 584          | 2 042          | 906           | 763           | 69             | 298            | 428           | 14 806         |
| <b>Total other emergencies and incidents</b>          | <b>112 687</b> | <b>46 057</b>  | <b>53 385</b>  | <b>14 905</b> | <b>20 531</b> | <b>6 390</b>   | <b>9 388</b>   | <b>4 251</b>  | <b>267 594</b> |
| Incident type not determined or not classified        | 528            | 1              | –              | –             | 22            | 1 605          | –              | –             | 2 156          |

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|   | <i>NSW</i>     | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i>    |
|---|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|----------------|
| <b>Total fires, other emergencies and incidents</b>   | <b>152 460</b> | <b>71 299</b>  | <b>70 145</b>  | <b>27 808</b> | <b>29 096</b> | <b>12 063</b>  | <b>10 412</b>  | <b>6 574</b>  | <b>379 857</b> |
| <b>2006-07</b>  |                |                |                |               |               |                |                |               |                |
| <b>Fires</b>  |                |                |                |               |               |                |                |               |                |
| Structure fires                                       | 6 971          | 6 233          | 2 747          | 1 452         | 1 534         | 708            | 278            | 146           | 20 069         |
| Landscape fires                                       | 17 993         | 10 008         | 10 912         | 7 836         | 3 170         | 2 441          | 481            | 1 714         | 54 555         |
| Other fires   | 18 597         | 11 143         | 5 526          | 4 128         | 4 352         | 1 517          | 838            | 394           | 46 495         |
| <b>Total fires</b>                                    | <b>43 561</b>  | <b>27 384</b>  | <b>19 185</b>  | <b>13 416</b> | <b>9 056</b>  | <b>4 666</b>   | <b>1 597</b>   | <b>2 254</b>  | <b>121 119</b> |
| <b>Other emergencies and incidents</b>                |                |                |                |               |               |                |                |               |                |
| Non-fire rescue calls incl. road crash rescue         | 14 970         | 8 591          | 16 109         | 1 590         | 4 535         | 990            | 1 278          | 624           | 48 687         |
| Hazardous conditions                                  | 13 523         | 6 959          | 3 304          | 917           | 1 939         | 249            | 239            | 181           | 27 311         |
| Floods, storm and tempest and other natural disasters | 7 864          | 4 034          | 2 686          | 857           | 2 000         | 409            | 941            | 181           | 18 972         |
| Good intent calls                                     | 13 628         | 10 865         | 4 717          | 1 456         | 1 978         | 1 206          | 636            | 345           | 34 831         |
| Malicious false calls                                 | 5 093          | 2 547          | 1 752          | 321           | 591           | 169            | 181            | 111           | 10 765         |
| System initiated false alarms                         | 49 724         | 13 026         | 19 130         | 7 688         | 4 799         | 3 771          | 5 361          | 2 359         | 105 858        |
| Other   | 9 757          | 1 928          | 1 778          | 831           | 4 796         | 69             | 444            | 408           | 20 011         |
| <b>Total other emergencies and incidents</b>          | <b>114 559</b> | <b>47 950</b>  | <b>49 476</b>  | <b>13 660</b> | <b>20 638</b> | <b>6 863</b>   | <b>9 080</b>   | <b>4 209</b>  | <b>266 435</b> |
| Incident type not determined or not classified        | 423            | 1              | –              | –             | 50            | 291            | –              | –             | 765            |
| <b>Total fires, other emergencies and incidents</b>   | <b>158 543</b> | <b>75 335</b>  | <b>68 661</b>  | <b>27 076</b> | <b>29 744</b> | <b>11 820</b>  | <b>10 677</b>  | <b>6 463</b>  | <b>388 319</b> |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) These data report the type of incident that reflects the most serious situation as determined by operational personnel after arriving at the scene and not the incident type relayed by the communication centre.

Table 9A.13 **Reported fires and other primary incidents attended to by fire service organisations (no.) (a), (b), (c)**

|  | <i>NSW</i> | <i>Vic (d)</i> | <i>Qld (d)</i> | <i>WA (d)</i> | <i>SA (d)</i> | <i>Tas (d)</i> | <i>ACT (d)</i> | <i>NT (d)</i> | <i>Aust</i> |
|--|------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|-------------|
|--|------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|-------------|

(c) Jurisdictions provide data for both urban and rural services (including land management agencies) and for both career and volunteer services (other than the NT) — see footnote d for caveats.

(d) Jurisdiction notes:

**Vic:** Landscape fires data include incidents from the Department of Environment Land Water & Planning, or its predecessors, from 2004-05 onwards. Some degree of duplicate counting may be present across Country Fire Authority and Department of Sustainability and Environment figures.

Other emergencies and incidents: 2015-16 data have been affected by industrial action.

**Qld:** Accurate identification of incidents attended by Queensland Fire and Emergency Services' (QFES) rural brigades prior to the 2012-13 fiscal year was not possible due to incomplete voluntary reporting procedures. Improved reporting practices have resulted in a higher rate of completion of incident reports for incidents where rural brigades are responsible. New procedures were fully implemented from 1 July 2013 in an endeavour to enhance the rate of reporting for volunteer attendances. QFES urban stations are estimated to serve 87.6 per cent of Queensland's population.

Flooding and wet weather in 2010-11 resulted in a lower than anticipated number of landscape fires. Despite an increase in false alarms across regions affected by wet weather in 2010-11, the total number of false alarms was lower than anticipated as a result of the rollout of a new alarm solution and ongoing work with building owners who have high alarm frequencies.

**SA:** For 2013-14, the number of incidents may be understated due to Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affecting the collection of CFS incident data.

For 2004-05, the number of incidents may be understated due to Metropolitan Fire Service industrial action between 18/4/05 to 20/06/05 (no incident reports were completed during this period).

**Tas:** Due to industrial action 90 incident reports are incomplete in 2008-09.

**ACT:** Landscape fire activity increased in 2012-13 as result of a warmer and drier summer. This has also resulted in a corresponding reduction in calls to storm, tempest, flooding and other natural disasters.

For 2009-2010 and 2010-11 the lower number of landscape fires was attributable to wetter than average summer conditions.

**NT:** Excludes data from Bushfires NT and some NT Fire and Rescue Service volunteer brigades.

**na** Not available. – Nil or rounded to zero.

**Source:** State and Territory governments (unpublished).

Table 9A.14 Fire incidents attended by fire service organisations (number per 100 000 people) (a), (b), (c)

|  | <i>NSW</i> | <i>Vic</i><br>(d) | <i>Qld</i><br>(d) | <i>WA</i> | <i>SA</i><br>(d) | <i>Tas</i><br>(d) | <i>ACT</i> | <i>NT</i><br>(d) | <i>Aust</i> |
|--|------------|-------------------|-------------------|-----------|------------------|-------------------|------------|------------------|-------------|
| <b>Total fire incidents per 100 000 people</b>     |            |                   |                   |           |                  |                   |            |                  |             |
| 2015-16  | 428        | 379               | 376               | 385       | 431              | 633               | 237        | 903              | 407         |
| 2014-15  | 408        | 373               | 400               | 443       | 422              | 669               | 220        | 1 154            | 413         |
| 2013-14  | 457        | 374               | 442               | 431       | 444              | 728               | 228        | 1 018            | 438         |
| 2012-13  | 551        | 434               | 472               | 468       | 354              | 804               | 265        | 1 202            | 490         |
| 2011-12  | 454        | 381               | 427               | 499       | 431              | 805               | 261        | 1 314            | 447         |
| 2010-11  | 474        | 323               | 311               | 539       | 402              | 717               | 247        | 802              | 411         |
| 2009-10  | 574        | 407               | 422               | 559       | 477              | 847               | 342        | 806              | 499         |
| 2008-09  | 571        | 501               | 371               | 614       | 499              | 874               | 427        | 986              | 522         |
| 2007-08  | 570        | 485               | 403               | 604       | 541              | 820               | 298        | 1 072            | 524         |
| 2006-07  | 642        | 537               | 473               | 646       | 580              | 949               | 472        | 1 068            | 587         |
| <b>Structure fire incidents per 100 000 people</b> |            |                   |                   |           |                  |                   |            |                  |             |
| 2015-16  | 86         | 96                | 57                | 50        | 95               | 95                | 61         | 68               | 79          |
| 2014-15  | 95         | 96                | 57                | 51        | 89               | 107               | 62         | 82               | 82          |
| 2013-14  | 94         | 103               | 58                | 53        | 88               | 123               | 62         | 56               | 84          |
| 2012-13  | 91         | 109               | 64                | 60        | 93               | 132               | 60         | 68               | 87          |
| 2011-12  | 88         | 113               | 67                | 60        | 91               | 126               | 71         | 75               | 88          |
| 2010-11  | 93         | 115               | 63                | 68        | 86               | 130               | 67         | 59               | 89          |
| 2009-10  | 99         | 116               | 62                | 68        | 88               | 137               | 69         | 50               | 92          |
| 2008-09  | 99         | 122               | 69                | 70        | 92               | 160               | 75         | 77               | 96          |
| 2007-08  | 104        | 123               | 70                | 72        | 98               | 129               | 71         | 80               | 98          |
| 2006-07  | 103        | 122               | 68                | 70        | 98               | 144               | 82         | 69               | 97          |
| <b>Landscape fire incidents per 100 000 people</b> |            |                   |                   |           |                  |                   |            |                  |             |
| 2015-16  | 178        | 106               | 190               | 211       | 169              | 293               | 50         | 714              | 171         |
| 2014-15  | 157        | 112               | 209               | 253       | 174              | 280               | 48         | 940              | 177         |
| 2013-14  | 187        | 101               | 236               | 228       | 193              | 323               | 55         | 830              | 188         |

Table 9A.14 Fire incidents attended by fire service organisations (number per 100 000 people) (a), (b), (c)

|  | <i>NSW</i> | <i>Vic</i><br>(d) | <i>Qld</i><br>(d) | <i>WA</i> | <i>SA</i><br>(d) | <i>Tas</i><br>(d) | <i>ACT</i> | <i>NT</i><br>(d) | <i>Aust</i> |
|--|------------|-------------------|-------------------|-----------|------------------|-------------------|------------|------------------|-------------|
| 2012-13  | 244        | 133               | 249               | 244       | 77               | 369               | 76         | 974              | 213         |
| 2011-12  | 146        | 87                | 208               | 267       | 145              | 347               | 54         | 1 078            | 169         |
| 2010-11  | 156        | 46                | 114               | 309       | 119              | 277               | 39         | 605              | 139         |
| 2009-10  | 228        | 97                | 236               | 318       | 174              | 380               | 75         | 590              | 207         |
| 2008-09  | 208        | 144               | 172               | 344       | 172              | 392               | 96         | 737              | 204         |
| 2007-08  | 198        | 145               | 195               | 333       | 181              | 413               | 69         | 826              | 206         |
| 2006-07  | 265        | 196               | 269               | 377       | 203              | 497               | 142        | 812              | 264         |
| <b>Other fire incidents per 100 000 people</b> |            |                   |                   |           |                  |                   |            |                  |             |
| 2015-16  | 163        | 178               | 128               | 125       | 167              | 245               | 126        | 121              | 157         |
| 2014-15  | 157        | 165               | 135               | 138       | 159              | 282               | 111        | 132              | 154         |
| 2013-14  | 176        | 170               | 149               | 150       | 163              | 283               | 111        | 132              | 166         |
| 2012-13  | 215        | 192               | 159               | 164       | 185              | 302               | 128        | 160              | 190         |
| 2011-12  | 220        | 182               | 152               | 172       | 195              | 332               | 136        | 161              | 191         |
| 2010-11  | 225        | 162               | 133               | 162       | 197              | 310               | 141        | 138              | 182         |
| 2009-10  | 247        | 194               | 125               | 173       | 215              | 330               | 198        | 166              | 200         |
| 2008-09  | 264        | 235               | 130               | 200       | 235              | 322               | 256        | 172              | 222         |
| 2007-08  | 268        | 217               | 139               | 199       | 262              | 279               | 157        | 167              | 220         |
| 2006-07  | 274        | 218               | 136               | 199       | 279              | 309               | 248        | 187              | 225         |

- (a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.
- (b) Jurisdictions provide data for both urban and rural services (including land management agencies) and for both career and volunteer services, other than the NT — see footnote d for caveats.
- (c) Population data used to derive rates are as at 31 December. ERP data for 2004 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.
- (d) Jurisdiction notes:

Table 9A.14 **Fire incidents attended by fire service organisations (number per 100 000 people) (a), (b), (c)**

|         | <i>NSW</i>  | <i>Vic</i><br>(d) | <i>Qld</i><br>(d) | <i>WA</i> | <i>SA</i><br>(d) | <i>Tas</i><br>(d) | <i>ACT</i> | <i>NT</i><br>(d) | <i>Aust</i> |
|---------|---|-------------------|-------------------|-----------|------------------|-------------------|------------|------------------|-------------|
| Vic:    | Landscape fires data include incidents from the Department of Environment Land Water & Planning, or its predecessors, from 2004-05 onwards. Some degree of duplicate counting may be present across Country Fire Authority and Department of Environment, Land, Water and Planning figures.   |                   |                   |           |                  |                   |            |                  |             |
| Qld:    | Accurate identification of incidents attended by Queensland Fire and Emergency Services' (QFES) rural brigades prior to the 2012-13 fiscal year was not possible due to incomplete voluntary reporting procedures. Improved reporting practices have resulted in a higher rate of completion of incident reports for incidents where rural brigades are responsible. New procedures were fully implemented from 1 July 2013 in an endeavour to enhance the rate of reporting for volunteer attendances. QFES urban stations are estimated to serve 87.6 per cent of Queensland's population.<br>Flooding and wet weather in 2010-11 resulted in a lower than anticipated number of landscape fires. |                   |                   |           |                  |                   |            |                  |             |
| SA:     | For 2013-14, the number of incidents may be understated due to Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affecting the collection of CFS incident data.<br>For 2004-05, the number of incidents may be understated due to Metropolitan Fire Service industrial action between 18/4/05 to 20/06/05 (no incident reports were completed during this period).  |                   |                   |           |                  |                   |            |                  |             |
| Tas:    | Due to industrial action 90 incident reports are incomplete in 2008-09.   |                   |                   |           |                  |                   |            |                  |             |
| NT:     | The high number of incidents per 100,000 people in previous years can be attributed to deliberately lit fires and the large number of grass fires in northern Australia that are caused by the annual growth of vegetation following the wet season.  |                   |                   |           |                  |                   |            |                  |             |
| Source: | State and Territory governments; ABS (unpublished), <i>Australian Demographic Statistics</i> , Cat. no. 3101.0 (table 2A.2).  |                   |                   |           |                  |                   |            |                  |             |

**Table 9A.15 Accidental residential structure fires reported to fire service organisations per 100 000 households (a), (b), (c)**

|         | <i>NSW</i><br>(d) | <i>Vic</i><br>(d) | <i>Qld</i><br>(d) | <i>WA</i> | <i>SA</i><br>(d) | <i>Tas</i><br>(d) | <i>ACT</i> | <i>NT</i><br>(d) | <i>Aust</i> |
|---------|-------------------|-------------------|-------------------|-----------|------------------|-------------------|------------|------------------|-------------|
| 2015-16 | 79.0              | 111.4             | 62.1              | 58.4      | 76.7             | 102.0             | 87.4       | 73.6             | 81.9        |
| 2014-15 | 95.2              | 113.4             | 46.9              | 60.3      | 73.6             | 112.9             | 89.1       | 51.4             | 84.5        |
| 2013-14 | 98.5              | 121.2             | 46.4              | 61.8      | 75.2             | 127.1             | 84.1       | 59.2             | 88.1        |
| 2012-13 | 114.3             | 128.7             | 50.4              | 62.7      | 76.9             | 147.1             | 96.9       | 86.5             | 97.0        |
| 2011-12 | 111.1             | 136.0             | 48.9              | 64.1      | 77.5             | 140.8             | 114.5      | 71.4             | 97.8        |
| 2010-11 | 115.5             | 142.8             | 49.9              | 71.4      | 75.1             | 130.7             | 91.7       | 41.0             | 100.8       |
| 2009-10 | 121.3             | 144.5             | 60.1              | 70.5      | 67.8             | 145.2             | 91.4       | 35.6             | 104.8       |
| 2008-09 | 123.1             | 140.4             | 61.9              | 76.4      | 71.7             | 173.7             | 100.4      | 53.9             | 106.8       |
| 2007-08 | 128.7             | 143.6             | 67.3              | 70.2      | 72.0             | 141.3             | 73.7       | 67.2             | 108.8       |
| 2006-07 | 124.3             | 142.9             | 64.7              | 72.2      | 48.2             | 163.8             | 108.7      | 50.6             | 106.1       |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) Jurisdictions provide data for both urban and rural services (including land management agencies) and for both career and volunteer services, other than the NT — see footnote d for caveats.

(c) Rates may not be entirely comparable. The numerator (the number of accidental residential structure fires) is affected by the number of fires where the cause has been determined and classified by fire service personnel. Data for the denominator are derived from ABS Australian Demographic Statistics Household projection series by averaging household data from the start and end of a financial year to derive the financial year midpoint estimate. For example, household data for the 2012-13 financial year are the average of total households as at 30 June 2012 and as at 30 June 2013.

(d) Jurisdiction notes:

**NSW:** A new reporting system was implemented in 2015. Data on the ignition factor has not been captured for all fire investigations. The data fields Property Location Use, Cause Determination and Area of Fire Origin were used to derive the number of accidental residential structure fires attended by FSO.

**Vic:** Other emergencies and incidents: 2015-16 data has been affected by industrial action.

**Qld:** Accurate identification of incidents attended by Queensland Fire and Emergency Services (QFES) rural brigades prior to the 2012-13 fiscal year was not possible due to incomplete voluntary reporting procedures. Improved reporting practices have resulted in a higher rate of completion of incident reports for incidents where rural brigades are responsible. New procedures were fully implemented from 1 July 2013 in the endeavour to enhance the rate of reporting for volunteer attendances. The increase in the rate of accidental residential structure fires from 2014-15 to 2015-16 is a result of improved recording of data in incident reports. A continued focus on data quality has resulted in an increase in the classification of residential structure fire incidents as 'accidental' and a decrease in the use of the 'undetermined' fire cause classification. QFES urban stations are estimated to serve 87.6 per cent of Queensland's population.

**SA:** For 2013-14, the number of incidents may be understated due to Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affecting the collection of CFS incident data.

For 2004-05, the number of incidents may be understated due to Metropolitan Fire Service industrial action between 18/4/05 to 20/06/05 (no incident reports were completed during this period).

**Tas:** Due to industrial action 90 incident reports are incomplete in 2008-09.

**NT:** Data are for NT Fire and Rescue Service permanent fire stations only.

**Source:** State and Territory governments (unpublished); ABS 2015, Household and Family Projections, 2011 to 2036, Cat. no. 3236.0 (table 2A.24).



Table 9A.16 **Fire service organisations (including land management agencies) reported total landscape fires (bush and grass) incidents (no.) and rates (a), (b), (c), (d)**

|   | <i>NSW</i> | <i>Vic</i><br>(e) | <i>Qld</i><br>(e) | <i>WA</i> | <i>SA</i><br>(e) | <i>Tas</i><br>(e) | <i>ACT</i><br>(e) | <i>NT</i><br>(e) | <i>Aust</i> |
|---|------------|-------------------|-------------------|-----------|------------------|-------------------|-------------------|------------------|-------------|
| <b>Number of landscape fires</b>                |            |                   |                   |           |                  |                   |                   |                  |             |
| 2015-16   | 13 657     | 6 330             | 9 154             | 5 484     | 2 879            | 1 518             | 196               | 1 742            | 40 960      |
| 2014-15   | 11 866     | 6 591             | 9 924             | 6 540     | 2 946            | 1 443             | 185               | 2 296            | 41 791      |
| 2013-14   | 13 958     | 5 872             | 11 066            | 5 805     | 3 240            | 1 658             | 210               | 2 013            | 43 822      |
| 2012-13   | 17 932     | 7 529             | 11 480            | 6 044     | 1 280            | 1 893             | 290               | 2 308            | 48 756      |
| 2011-12   | 10 568     | 4 825             | 9 367             | 6 366     | 2 382            | 1 775             | 199               | 2 504            | 37 986      |
| 2010-11   | 11 222     | 2 520             | 5 072             | 7 175     | 1 944            | 1 413             | 142               | 1 393            | 30 881      |
| 2009-10   | 16 201     | 5 253             | 10 298            | 7 199     | 2 810            | 1 925             | 268               | 1 343            | 45 297      |
| 2008-09   | 14 583     | 7 661             | 7 358             | 7 607     | 2 749            | 1 966             | 337               | 1 640            | 43 901      |
| 2007-08   | 13 605     | 7 553             | 8 093             | 7 114     | 2 862            | 2 048             | 237               | 1 789            | 43 301      |
| 2006-07   | 17 993     | 10 008            | 10 912            | 7 836     | 3 170            | 2 441             | 481               | 1 714            | 54 555      |
| <b>Landscape fires per 100 000 people</b>       |            |                   |                   |           |                  |                   |                   |                  |             |
| 2015-16   | 178        | 106               | 190               | 211       | 169              | 293               | 50                | 714              | 171         |
| 2014-15   | 157        | 112               | 209               | 253       | 174              | 280               | 48                | 940              | 177         |
| 2013-14   | 187        | 101               | 236               | 228       | 193              | 323               | 55                | 830              | 188         |
| 2012-13   | 244        | 133               | 249               | 244       | 77               | 369               | 76                | 974              | 213         |
| 2011-12   | 146        | 87                | 208               | 267       | 145              | 347               | 54                | 1078             | 169         |
| 2010-11   | 156        | 46                | 114               | 309       | 119              | 277               | 39                | 605              | 139         |
| 2009-10   | 228        | 97                | 236               | 318       | 174              | 380               | 75                | 590              | 207         |
| 2008-09   | 208        | 144               | 172               | 344       | 172              | 392               | 96                | 737              | 204         |
| 2007-08   | 198        | 145               | 195               | 333       | 181              | 413               | 69                | 826              | 206         |
| 2006-07   | 265        | 196               | 269               | 377       | 203              | 497               | 142               | 812              | 264         |
| <b>Landscape fires per 100 000 hectares (d)</b> |            |                   |                   |           |                  |                   |                   |                  |             |
| 2015-16   | 17.1       | 27.8              | 5.3               | 2.2       | 2.9              | 22.2              | 83.1              | 1.3              | 5.3         |
| 2014-15   | 14.8       | 29.0              | 5.7               | 2.6       | 3.0              | 21.1              | 78.5              | 1.7              | 5.4         |
| 2013-14   | 17.4       | 25.8              | 6.4               | 2.3       | 3.3              | 24.2              | 89.1              | 1.5              | 5.7         |
| 2012-13   | 22.4       | 33.1              | 6.6               | 2.4       | 1.3              | 27.7              | 123.0             | 1.7              | 6.3         |
| 2011-12   | 13.2       | 21.2              | 5.4               | 2.5       | 2.4              | 25.9              | 84.4              | 1.9              | 4.9         |
| 2010-11   | 14.0       | 11.1              | 2.9               | 2.8       | 2.0              | 20.7              | 60.2              | 1.0              | 4.0         |
| 2009-10   | 20.2       | 23.1              | 6.0               | 2.8       | 2.9              | 28.1              | 113.7             | 1.0              | 5.9         |
| 2008-09   | 18.2       | 33.7              | 4.3               | 3.0       | 2.8              | 28.7              | 142.9             | 1.2              | 5.7         |
| 2007-08   | 17.0       | 33.2              | 4.7               | 2.8       | 2.9              | 29.9              | 100.5             | 1.3              | 5.6         |
| 2006-07   | 22.5       | 44.0              | 6.3               | 3.1       | 3.2              | 35.7              | 204.0             | 1.3              | 7.1         |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) Jurisdictions provide data for both urban and rural services (including land management agencies) and for both career and volunteer services, other than the NT — see footnote e for caveats. Landscape fire incidents include all bush and grass fires regardless of size of area burnt.

(c) Population data used to derive rates are as at 31 December. ERP data for 2004 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details

(d) 100 hectares equals one square kilometre.

(e) Jurisdiction notes:

**Vic:** From 2004-05 data include incidents from the Department of Environment Land Water & Planning, or its predecessors. Black Saturday (Victorian fires 2009) is treated as a single landscape fire event in 2008-09. Due to data collection issues, data are incomplete for 2005-06.

**Qld:** Accurate identification of incidents attended by Queensland Fire and Emergency Services' (QFES) rural brigades prior to the 2012-13 fiscal year was not possible due to incomplete voluntary reporting procedures. Improved reporting practices have resulted in a higher rate of completion of incident reports for incidents where rural brigades are responsible. New procedures were fully implemented from 1 July 2013 in an endeavour to enhance the rate of reporting for volunteer attendances. QFES urban stations are estimated to serve 87.6 per cent of Queensland's population. Flooding and wet weather in 2010-11 resulted in a lower than anticipated number of landscape fires.

**Table 9A.16 Fire service organisations (including land management agencies) reported total landscape fires (bush and grass) incidents (no.) and rates (a), (b), (c), (d)**

|         | <i>NSW</i>  | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|---------|---|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
|         |   | (e)        | (e)        |           | (e)       | (e)        | (e)        | (e)       |             |
| SA:     | For 2013-14, the number of incidents may be understated due to Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affecting the collection of CFS incident data.   |            |            |           |           |            |            |           |             |
|         | For 2004-05, the number of incidents may be understated due to Metropolitan Fire Service industrial action between 18/4/05 to 20/06/05 (no incident reports were completed during this period).   |            |            |           |           |            |            |           |             |
| Tas:    | Due to industrial action 90 incident reports are incomplete in 2008-09.   |            |            |           |           |            |            |           |             |
| ACT:    | Landscape fire activity increased in 2012-13 as result of a warmer and drier summer.  |            |            |           |           |            |            |           |             |
|         | For 2009-10 and 2010-11 the lower number of landscape fires were attributable to wetter than average summer   |            |            |           |           |            |            |           |             |
| NT:     | Excludes data from Bushfires NT and some NT Fire and Rescue Service volunteer brigades. Includes 11 responses from NT Emergency Service who provide response in some remote communities across the Northern Territory.  |            |            |           |           |            |            |           |             |
| Source: | State and Territory governments (unpublished); Geoscience Australia 2011, <i>Area of Australia - States and Territories</i> , <a href="http://www.ga.gov.au/education/geoscience-basics/dimensions/area-of-australia-states-and-territories.html">www.ga.gov.au/education/geoscience-basics/dimensions/area-of-australia-states-and-territories.html</a> (accessed October 2011); ABS (unpublished), <i>Australian Demographic Statistics</i> , Cat. no. 3101.0 (table 2A.2). |            |            |           |           |            |            |           |             |

TABLE 9A.17

Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|   | Unit | NSW<br>(k) | Vic   | Qld<br>(k) | WA    | SA<br>(k) | Tas   | ACT   | NT<br>(k) | Aust   | Unit | Aust   |
|---|------|------------|-------|------------|-------|-----------|-------|-------|-----------|--------|------|--------|
| <b>2015-16</b>  |      |            |       |            |       |           |       |       |           |        |      |        |
| <b>Structure fires ignited due to misuse, failure or deficiency</b> | %    | na         | 60.7  | 60.5       | 71.4  | 20.6      | 57.4  | 71.8  | 62.9      | 58.5   | no.  | 6 791  |
| <b>Misuse of heat of ignition (a)</b>                               | %    | na         | 9.4   | 13.9       | 13.7  | 4.7       | 6.0   | 24.4  | 11.4      | 10.7   | no.  | 1 247  |
| Abandoned, discarded material - incl. cigarettes                    | %    | na         | 4.5   | 2.8        | 2.9   | 4.7       | 4.3   | 10.5  | 7.2       | 4.1    | no.  | 474    |
| Other   | %    | na         | 4.8   | 11.1       | 10.8  | –         | 1.8   | 13.9  | 4.2       | 6.7    | no.  | na     |
| <b>Misuse of material ignited (b)</b>                               | %    | na         | 3.1   | 4.5        | 5.5   | –         | 3.3   | 6.3   | 6.0       | 3.5    | no.  | 408    |
| <b>Mechanical failure, malfunction (c)</b>                          | %    | na         | 20.6  | 14.5       | 22.6  | 13.5      | 10.0  | 15.5  | 28.1      | 18.4   | no.  | 2 136  |
| Short-circuit and other electrical failure                          | %    | na         | 13.2  | 9.0        | 17.6  | 13.5      | 7.5   | 3.4   | 22.8      | 12.5   | no.  | 1 449  |
| Other   | %    | na         | 7.4   | 5.4        | 5.0   | –         | 2.5   | 12.2  | na        | na     | no.  | na     |
| <b>Design, construction, installation deficiency (d)</b>            | %    | na         | 2.3   | 1.5        | 5.0   | 1.0       | 3.3   | 2.1   | 1.2       | 2.3    | no.  | 269    |
| <b>Operational deficiency (e)</b>                                   | %    | na         | 25.4  | 26.1       | 24.6  | 1.4       | 34.8  | 23.5  | 16.2      | 23.5   | no.  | 2 731  |
| Unattended heat sources   | %    | na         | 16.5  | 17.3       | 10.5  | –         | 20.6  | 11.3  | 7.8       | 14.5   | no.  | 1 683  |
| Other   | %    | na         | 8.9   | 8.8        | 14.1  | 1.4       | 14.3  | 12.2  | 8.4       | 9.0    | no.  | na     |
| <b>Deliberately or suspiciously set fires</b>                       | %    | –          | 12.6  | 7.7        | 21.2  | 12.8      | 29.3  | 19.7  | 15.6      | 13.2   | no.  | 1 529  |
| Incendiary (f)  | %    | na         | 0.7   | 2.6        | 9.0   | 0.1       | 29.3  | 2.9   | 7.8       | 3.2    | no.  | 368    |
| Suspicious (g)  | %    | na         | 11.9  | 5.1        | 12.2  | 12.7      | –     | 16.8  | 7.8       | 10.0   | no.  | 1 161  |
| <b>Other ignition factors</b>                                       | %    | –          | 13.7  | 3.1        | 1.4   | 0.5       | 1.8   | 3.8   | 1.8       | 7.9    | no.  | 918    |
| Natural event (h)   | %    | na         | 0.7   | 0.1        | 1.1   | 0.2       | 1.3   | –     | 0.6       | 0.6    | no.  | 65     |
| Other factors (i)   | %    | na         | 13.1  | 3.0        | 0.3   | 0.3       | 0.5   | 3.8   | 1.2       | 7.4    | no.  | 853    |
| <b>Ignition factors not determined (j)</b>                          | %    | na         | 13.0  | 28.7       | 6.0   | 66.0      | 11.5  | 4.6   | 19.8      | 20.4   | no.  | 2 367  |
| <b>Total</b>  | %    | –          | 100.0 | 100.0      | 100.0 | 100.0     | 100.0 | 100.0 | 100.0     | 100.0  |      | na     |
| <b>Total Structure fires</b>  | no.  | –          | 5 754 | 2 754      | 1 295 | 998       | 399   | 238   | 167       | 11 605 |      | 11 605 |

TABLE 9A.17

Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|   | Unit | NSW<br>(k)   | Vic          | Qld<br>(k)   | WA           | SA<br>(k)    | Tas          | ACT          | NT<br>(k)    | Aust          | Unit | Aust          |
|---|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------|---------------|
| <b>2014-15</b>  |      |              |              |              |              |              |              |              |              |               |      |               |
| <b>Structure fires ignited due to misuse, failure or deficiency</b>                       | %    | <b>60.6</b>  | <b>62.4</b>  | <b>52.1</b>  | <b>65.5</b>  | <b>12.7</b>  | <b>48.1</b>  | <b>73.8</b>  | <b>62.7</b>  | <b>55.9</b>   | no.  | <b>9 712</b>  |
| Misuse of heat of ignition (such as Abandoned, discarded material - incl. cigarettes) (a) | %    | 13.4         | 9.9          | 12.5         | 13.9         | 3.9          | 4.2          | 24.2         | 10.6         | 11.2          | no.  | 1 937         |
| Misuse of material ignited (b)  | %    | 3.2          | 3.6          | 3.8          | 4.1          | –            | 2.4          | 7.1          | 6.8          | 3.3           | no.  | 569           |
| Mechanical failure, malfunction (such as electrical failure) (c)                          | %    | 20.2         | 19.7         | 13.4         | 22.9         | 7.2          | 9.2          | 16.3         | 23.0         | 17.7          | no.  | 3 068         |
| Design, construction, installation deficiency (d)   | %    | 1.8          | 2.6          | 1.1          | 5.2          | 0.8          | 3.8          | 3.3          | 1.9          | 2.2           | no.  | 384           |
| Operational deficiency (such as unattended heat sources) (e)                              | %    | 22.1         | 26.7         | 21.3         | 19.3         | 0.8          | 28.6         | 22.9         | 20.5         | 21.6          | no.  | 3 754         |
| <b>Deliberately or suspiciously set fires</b>   | %    | <b>9.0</b>   | <b>11.7</b>  | <b>7.5</b>   | <b>19.7</b>  | <b>7.6</b>   | <b>22.2</b>  | <b>13.8</b>  | <b>9.3</b>   | <b>10.8</b>   | no.  | <b>1 882</b>  |
| Incendiary (f)  | %    | 3.6          | 0.8          | 4.0          | 7.5          | 0.1          | 22.2         | 2.5          | 6.2          | 3.3           | no.  | 580           |
| Suspicious (g)  | %    | 5.4          | 10.9         | 3.6          | 12.3         | 7.5          | –            | 11.3         | 3.1          | 7.5           | no.  | 1 302         |
| <b>Other ignition factors</b>   | %    | <b>5.1</b>   | <b>12.4</b>  | <b>3.3</b>   | <b>3.0</b>   | <b>39.5</b>  | <b>18.8</b>  | <b>5.4</b>   | <b>1.9</b>   | <b>10.4</b>   | no.  | <b>1 811</b>  |
| Natural event (h)   | %    | 2.0          | 0.9          | 0.3          | 1.6          | –            | 0.5          | 1.7          | 0.6          | 1.1           | no.  | 196           |
| Other factors (i)   | %    | 3.0          | 11.5         | 3.0          | 1.4          | 39.5         | 18.3         | 3.8          | 1.2          | 9.3           | no.  | 1 615         |
| <b>Undetermined (j)</b>   | %    | <b>25.3</b>  | <b>13.5</b>  | <b>37.0</b>  | <b>11.8</b>  | <b>40.2</b>  | <b>10.8</b>  | <b>7.1</b>   | <b>26.1</b>  | <b>22.8</b>   | no.  | <b>3 964</b>  |
| <b>Total</b>  | %    | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  |      | <b>..</b>     |
| <b>Total structure fires</b>  | no.  | <b>5 219</b> | <b>5 663</b> | <b>2 704</b> | <b>1 327</b> | <b>1 502</b> | <b>553</b>   | <b>240</b>   | <b>161</b>   | <b>17 369</b> |      | <b>17 369</b> |
| <b>2013-14</b>  |      |              |              |              |              |              |              |              |              |               |      |               |
| <b>Structure fires ignited due to misuse, failure or deficiency</b>                       | %    | <b>61.3</b>  | <b>62.4</b>  | <b>50.7</b>  | <b>66.5</b>  | <b>15.9</b>  | <b>47.4</b>  | <b>67.8</b>  | <b>49.6</b>  | <b>56.6</b>   | no.  | <b>10 974</b> |
| Misuse of heat of ignition (such as Abandoned, discarded material - incl. cigarettes) (a) | %    | 13.7         | 9.0          | 10.7         | 15.5         | 4.2          | 3.5          | 20.9         | 21.2         | 11.0          | no.  | 2 140         |
| Misuse of material ignited (b)  | %    | 3.3          | 3.3          | 4.5          | 5.1          | –            | 2.1          | 4.6          | 2.9          | 3.3           | no.  | 646           |
| Design, construction, installation deficiency (d)   | %    | 1.9          | 2.6          | 1.0          | 4.9          | 0.7          | 3.8          | 2.1          | –            | 2.1           | no.  | 416           |

TABLE 9A.17

Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|   | Unit       | NSW<br>(k)   | Vic          | Qld<br>(k)   | WA           | SA<br>(k)    | Tas          | ACT          | NT<br>(k)    | Aust          | Unit       | Aust          |
|---|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------------|---------------|
| Operational deficiency (such as unattended heat sources) (e)                              | %          | 23.3         | 28.0         | 21.9         | 19.8         | 1.4          | 28.2         | 27.6         | 3.6          | 22.7          | no.        | 4 400         |
| <b>Deliberately or suspiciously set fires</b>   | %          | <b>9.8</b>   | <b>10.4</b>  | <b>6.0</b>   | <b>16.2</b>  | <b>7.7</b>   | <b>20.8</b>  | <b>20.9</b>  | <b>12.4</b>  | <b>10.2</b>   | <b>no.</b> | <b>1 986</b>  |
| Incendiary (f)  | %          | 3.9          | 0.5          | 3.2          | 5.7          | 0.1          | 20.8         | 5.0          | 0.7          | 3.1           | no.        | 604           |
| Suspicious (g)  | %          | 5.9          | 9.9          | 2.8          | 10.5         | 7.7          | –            | 15.9         | 11.7         | 7.1           | no.        | 1 382         |
| <b>Other ignition factors</b>   | %          | <b>3.8</b>   | <b>13.3</b>  | <b>2.7</b>   | <b>3.9</b>   | <b>38.4</b>  | <b>21.1</b>  | <b>4.2</b>   | <b>2.9</b>   | <b>9.8</b>    | <b>no.</b> | <b>1 896</b>  |
| Natural event (h)   | %          | 0.9          | 0.7          | 0.2          | 0.9          | 0.3          | 0.3          | –            | –            | 0.7           | no.        | 128           |
| Other factors (i)   | %          | 2.9          | 12.6         | 2.5          | 3.0          | 38.1         | 20.8         | 4.2          | 2.9          | 9.1           | no.        | 1 768         |
| <b>Undetermined (j)</b>   | %          | <b>25.1</b>  | <b>13.9</b>  | <b>40.6</b>  | <b>13.4</b>  | <b>38.0</b>  | <b>10.8</b>  | <b>7.1</b>   | <b>35.0</b>  | <b>23.3</b>   | <b>no.</b> | <b>4 522</b>  |
| <b>Total</b>  | %          | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  |            | <b>..</b>     |
| <b>Total structure fires</b>  | <b>no.</b> | <b>6 846</b> | <b>5 977</b> | <b>2 713</b> | <b>1 360</b> | <b>1 475</b> | <b>631</b>   | <b>239</b>   | <b>137</b>   | <b>19 378</b> |            | <b>19 378</b> |
| <b>2012-13</b>  |            |              |              |              |              |              |              |              |              |               |            |               |
| <b>Structure fires ignited due to misuse, failure or deficiency</b>                       | %          | <b>62.3</b>  | <b>73.7</b>  | <b>49.8</b>  | <b>62.0</b>  | <b>22.7</b>  | <b>50.7</b>  | <b>75.0</b>  | <b>55.0</b>  | <b>60.2</b>   | <b>no.</b> | <b>12 037</b> |
| Misuse of heat of ignition (such as Abandoned, discarded material - incl. cigarettes) (a) | %          | 14.3         | 11.9         | 12.6         | 14.2         | 5.8          | 5.5          | 23.2         | 16.9         | 12.4          | no.        | 2 471         |
| Misuse of material ignited (b)  | %          | 3.8          | 4.8          | 3.9          | 4.7          | 1.0          | 3.4          | 5.7          | 4.4          | 4.0           | no.        | 794           |
| Mechanical failure, malfunction (such as electrical failure) (c)                          | %          | 16.8         | 22.3         | 12.8         | 21.0         | 13.2         | 10.4         | 18.0         | 18.1         | 17.7          | no.        | 3 540         |
| Design, construction, installation deficiency (d)   | %          | 1.8          | 2.8          | 1.2          | 4.0          | 0.7          | 3.0          | 2.2          | 0.6          | 2.1           | no.        | 425           |
| Operational deficiency (such as unattended heat sources) (e)                              | %          | 25.7         | 31.8         | 19.5         | 18.1         | 1.9          | 28.6         | 25.9         | 15.0         | 24.1          | no.        | 4 807         |
| <b>Deliberately or suspiciously set fires</b>   | %          | <b>9.0</b>   | <b>10.2</b>  | <b>6.1</b>   | <b>14.4</b>  | <b>12.2</b>  | <b>22.8</b>  | <b>16.7</b>  | <b>15.6</b>  | <b>10.2</b>   | <b>no.</b> | <b>2 048</b>  |
| Incendiary (f)  | %          | 3.4          | 0.5          | 3.7          | 3.5          | –            | 22.8         | 3.9          | 1.3          | 2.9           | no.        | 577           |
| Suspicious (g)  | %          | 5.7          | 9.7          | 2.3          | 10.8         | 12.2         | –            | 12.7         | 14.4         | 7.4           | no.        | 1 471         |
| <b>Other ignition factors</b>   | %          | <b>7.4</b>   | <b>3.3</b>   | <b>2.9</b>   | <b>3.5</b>   | <b>30.2</b>  | <b>18.3</b>  | <b>4.8</b>   | <b>2.5</b>   | <b>7.5</b>    | <b>no.</b> | <b>1 492</b>  |

TABLE 9A.17

Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|   | Unit       | NSW<br>(k)   | Vic          | Qld<br>(k)   | WA           | SA<br>(k)    | Tas          | ACT          | NT<br>(k)    | Aust          | Unit       | Aust          |
|---|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------------|---------------|
| Natural event (h)   | %          | 0.5          | 0.8          | 0.4          | 1.2          | –            | 0.9          | –            | 0.6          | 0.6           | no.        | 125           |
| Other factors (i)   | %          | 6.8          | 2.5          | 2.5          | 2.3          | 30.2         | 17.5         | 4.8          | 1.9          | 6.8           | no.        | 1 367         |
| <b>Undetermined (j)</b>   | <b>%</b>   | <b>21.2</b>  | <b>12.8</b>  | <b>41.2</b>  | <b>20.1</b>  | <b>34.9</b>  | <b>8.1</b>   | <b>3.5</b>   | <b>26.9</b>  | <b>22.1</b>   | <b>no.</b> | <b>4 407</b>  |
| <b>Total</b>  | <b>%</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  |            | <b>..</b>     |
| <b>Total structure fires</b>  | <b>no.</b> | <b>6 557</b> | <b>6 200</b> | <b>2 949</b> | <b>1 475</b> | <b>1 739</b> | <b>676</b>   | <b>228</b>   | <b>160</b>   | <b>19 984</b> |            | <b>19 984</b> |
| <b>2011-12</b>  |            |              |              |              |              |              |              |              |              |               |            |               |
| <b>Structure fires ignited due to misuse, failure or deficiency</b>                       | <b>%</b>   | <b>46.5</b>  | <b>53.4</b>  | <b>33.2</b>  | <b>42.2</b>  | <b>16.5</b>  | <b>49.8</b>  | <b>65.9</b>  | <b>32.6</b>  | <b>44.3</b>   | <b>no.</b> | <b>8 701</b>  |
| Misuse of heat of ignition (such as Abandoned, discarded material - incl. cigarettes) (a) | %          | 6.8          | 6.3          | 5.7          | 8.5          | 3.3          | 4.0          | 15.9         | 5.7          | 6.3           | no.        | 1 245         |
| Misuse of material ignited (b)  | %          | 2.5          | 2.5          | 3.0          | 2.4          | –            | 2.2          | 2.4          | 1.1          | 2.3           | no.        | 462           |
| Mechanical failure, malfunction (such as electrical failure) (c)                          | %          | 12.3         | 16.9         | 7.8          | 14.4         | 10.7         | 11.5         | 13.9         | 17.1         | 13.1          | no.        | 2 583         |
| Design, construction, installation deficiency (d)   | %          | 1.7          | 2.9          | 0.8          | 4.2          | 0.9          | 3.1          | 4.8          | –            | 2.1           | no.        | 415           |
| Operational deficiency (such as unattended heat sources) (e)                              | %          | 23.3         | 24.9         | 15.9         | 12.6         | 1.6          | 29.0         | 28.8         | 8.6          | 20.3          | no.        | 3 996         |
| <b>Deliberately or suspiciously set fires</b>   | <b>%</b>   | <b>10.3</b>  | <b>10.4</b>  | <b>6.3</b>   | <b>13.5</b>  | <b>8.4</b>   | <b>21.4</b>  | <b>23.1</b>  | <b>5.7</b>   | <b>10.3</b>   | <b>no.</b> | <b>2 021</b>  |
| Incendiary (f)  | %          | 3.8          | 0.5          | 3.5          | 4.1          | 0.2          | 21.4         | 2.4          | 0.6          | 3.0           | no.        | 587           |
| Suspicious (g)  | %          | 6.5          | 9.9          | 2.7          | 9.4          | 8.2          | –            | 20.7         | 5.1          | 7.3           | no.        | 1 434         |
| <b>Other ignition factors</b>   | <b>%</b>   | <b>20.0</b>  | <b>24.2</b>  | <b>15.2</b>  | <b>23.3</b>  | <b>38.8</b>  | <b>21.1</b>  | <b>6.7</b>   | <b>25.1</b>  | <b>22.2</b>   | <b>no.</b> | <b>4 369</b>  |
| Natural event (h)   | %          | 0.5          | 0.8          | 0.3          | 1.0          | 0.2          | 1.1          | –            | 0.6          | 0.6           | no.        | 116           |
| Other factors (i)   | %          | 19.6         | 23.3         | 15.0         | 22.3         | 38.6         | 20.0         | 6.7          | 24.6         | 21.6          | no.        | 4 253         |
| <b>Undetermined (j)</b>   | <b>%</b>   | <b>23.1</b>  | <b>12.0</b>  | <b>45.3</b>  | <b>21.1</b>  | <b>36.3</b>  | <b>7.8</b>   | <b>4.3</b>   | <b>36.6</b>  | <b>23.2</b>   | <b>no.</b> | <b>4 570</b>  |
| <b>Total</b>  | <b>%</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  |            | <b>..</b>     |
| <b>Total structure fires</b>  | <b>no.</b> | <b>6 402</b> | <b>6 278</b> | <b>3 017</b> | <b>1 442</b> | <b>1 494</b> | <b>645</b>   | <b>208</b>   | <b>175</b>   | <b>19 661</b> |            | <b>19 661</b> |

2010-11

TABLE 9A.17

Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|   | Unit | NSW<br>(k)   | Vic          | Qld<br>(k)   | WA           | SA<br>(k)    | Tas          | ACT          | NT<br>(k)    | Aust          | Unit | Aust          |
|---|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------|---------------|
| <b>Structure fires ignited due to misuse, failure or deficiency</b>                       | %    | <b>48.2</b>  | <b>54.1</b>  | <b>31.5</b>  | <b>42.7</b>  | <b>16.9</b>  | <b>47.7</b>  | <b>52.2</b>  | <b>19.9</b>  | <b>44.9</b>   | no.  | <b>8 894</b>  |
| Misuse of heat of ignition (such as Abandoned, discarded material - incl. cigarettes) (a) | %    | 7.4          | 5.9          | 6.2          | 8.7          | 2.8          | 2.9          | 15.5         | 8.1          | 6.5           | no.  | 1 283         |
| Misuse of material ignited (b)  | %    | 2.8          | 2.6          | 2.4          | 2.1          | –            | 2.9          | 4.9          | 0.7          | 2.4           | no.  | 482           |
| Mechanical failure, malfunction (such as electrical failure) (c)                          | %    | 12.6         | 15.9         | 7.8          | 16.0         | 10.8         | 9.8          | 9.4          | 5.9          | 12.9          | no.  | 2 561         |
| Design, construction, installation deficiency (d)   | %    | 2.4          | 2.8          | 1.4          | 5.0          | 0.7          | 4.1          | 3.3          | 0.7          | 2.5           | no.  | 494           |
| Operational deficiency (such as unattended heat sources) (e)                              | %    | 23.0         | 27.1         | 13.8         | 10.9         | 2.6          | 28.1         | 19.2         | 4.4          | 20.6          | no.  | 4 074         |
| <b>Deliberately or suspiciously set fires</b>   | %    | <b>9.6</b>   | <b>10.7</b>  | <b>5.9</b>   | <b>14.7</b>  | <b>9.1</b>   | <b>23.7</b>  | <b>21.6</b>  | <b>2.2</b>   | <b>10.4</b>   | no.  | <b>2 051</b>  |
| Incendiary (f)  | %    | 3.2          | 0.4          | 3.5          | 3.5          | 0.2          | 23.7         | 5.7          | 0.7          | 2.9           | no.  | 567           |
| Suspicious (g)  | %    | 6.4          | 10.2         | 2.4          | 11.2         | 8.8          | –            | 15.9         | 1.5          | 7.5           | no.  | 1 484         |
| <b>Other ignition factors</b>   | %    | <b>19.9</b>  | <b>23.3</b>  | <b>16.5</b>  | <b>23.9</b>  | <b>34.2</b>  | <b>15.2</b>  | <b>23.7</b>  | <b>24.3</b>  | <b>21.7</b>   | no.  | <b>4 305</b>  |
| Natural event (h)   | %    | 0.5          | 0.7          | 0.3          | 0.9          | 0.2          | 0.5          | 0.8          | 1.5          | 0.6           | no.  | 111           |
| Other factors (i)   | %    | 19.4         | 22.6         | 16.2         | 23.0         | 34.0         | 14.8         | 22.9         | 22.8         | 21.2          | no.  | 4 194         |
| <b>Undetermined (j)</b>   | %    | <b>22.3</b>  | <b>12.0</b>  | <b>46.1</b>  | <b>18.7</b>  | <b>39.8</b>  | <b>13.4</b>  | <b>2.4</b>   | <b>53.7</b>  | <b>23.0</b>   | no.  | <b>4 557</b>  |
| <b>Total</b>  | %    | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  |      | <b>..</b>     |
| <b>Total structure fires</b>  | no.  | <b>6 675</b> | <b>6 307</b> | <b>2 811</b> | <b>1 567</b> | <b>1 403</b> | <b>663</b>   | <b>245</b>   | <b>136</b>   | <b>19 807</b> |      | <b>19 807</b> |
| <b>2009-10</b>  |      |              |              |              |              |              |              |              |              |               |      |               |
| <b>Structure fires ignited due to misuse, failure or deficiency</b>                       | %    | <b>47.1</b>  | <b>55.0</b>  | <b>36.7</b>  | <b>43.2</b>  | <b>15.7</b>  | <b>46.1</b>  | <b>51.8</b>  | <b>27.2</b>  | <b>45.6</b>   | no.  | <b>9 132</b>  |
| Misuse of heat of ignition (such as Abandoned, discarded material - incl. cigarettes) (a) | %    | 8.5          | 6.1          | 7.8          | 8.8          | 3.7          | 4.5          | 10.7         | 5.3          | 7.2           | no.  | 1 442         |
| Misuse of material ignited (b)  | %    | 2.8          | 2.2          | 1.9          | 2.1          | –            | 3.2          | 3.2          | 0.9          | 2.2           | no.  | 446           |
| Mechanical failure, malfunction (such as electrical failure) (c)                          | %    | 11.2         | 16.1         | 8.8          | 15.7         | 9.7          | 7.9          | 13.8         | 10.5         | 12.6          | no.  | 2 523         |

Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|  | Unit       | NSW<br>(k)   | Vic          | Qld<br>(k)   | WA           | SA<br>(k)    | Tas          | ACT          | NT<br>(k)    | Aust          | Unit       | Aust          |
|--|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------------|---------------|
| Design, construction, installation deficiency (d)            | %          | 1.9          | 3.5          | 2.2          | 4.5          | 1.0          | 1.4          | 4.0          | 1.8          | 2.6           | no.        | 519           |
| Operational deficiency (such as unattended heat sources) (e) | %          | 22.7         | 27.2         | 16.0         | 12.1         | 1.3          | 29.1         | 20.2         | 8.8          | 21.0          | no.        | 4 202         |
| <b>Deliberately or suspiciously set fires</b>                | %          | <b>10.4</b>  | <b>10.4</b>  | <b>9.4</b>   | <b>12.6</b>  | <b>10.4</b>  | <b>23.6</b>  | <b>22.1</b>  | <b>3.5</b>   | <b>11.0</b>   | <b>no.</b> | <b>2 200</b>  |
| Incendiary (a)   | %          | 3.6          | 0.5          | 5.2          | 3.5          | na           | 23.6         | 3.2          | –            | 3.3           | no.        | 652           |
| Suspicious (b)   | %          | 6.8          | 9.9          | 4.2          | 9.0          | 10.4         | –            | 19.0         | 3.5          | 7.7           | no.        | 1 548         |
| <b>Other ignition factors</b>                                | %          | <b>20.7</b>  | <b>22.4</b>  | <b>19.6</b>  | <b>23.0</b>  | <b>32.7</b>  | <b>17.9</b>  | <b>23.3</b>  | <b>15.8</b>  | <b>22.0</b>   | <b>no.</b> | <b>4 413</b>  |
| Natural event (h)  | %          | 0.5          | 0.9          | 0.6          | 1.0          | 0.1          | –            | 0.8          | –            | 0.6           | no.        | 130           |
| Other factors (i)  | %          | 20.1         | 21.5         | 19.0         | 22.1         | 32.6         | 17.9         | 22.5         | 15.8         | 21.4          | no.        | 4 283         |
| <b>Undetermined (j)</b>                                      | %          | <b>21.9</b>  | <b>12.3</b>  | <b>34.2</b>  | <b>21.2</b>  | <b>41.3</b>  | <b>12.4</b>  | <b>2.8</b>   | <b>53.5</b>  | <b>21.5</b>   | <b>no.</b> | <b>4 302</b>  |
| <b>Total</b>   | %          | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  |            | <b>..</b>     |
| <b>Total structure fires</b>                                 | <b>no.</b> | <b>7 044</b> | <b>6 286</b> | <b>2 688</b> | <b>1 550</b> | <b>1 418</b> | <b>694</b>   | <b>253</b>   | <b>114</b>   | <b>20 047</b> |            | <b>20 047</b> |

- (a) Misuse of heat of ignition includes: Abandoned, discarded material (including discarded cigarettes); Thawing; Falling asleep; Inadequate control of open fire; Cutting, welding; Children playing with heat of ignition (such as matches); Unconscious; Mental impairment; Physical impairment; Affected by drugs; Intoxication by alcohol.
- (b) Misuse of material ignited includes: Fuel spilled, released accidentally; Improper fuelling technique; Flammable liquid used to kindle fire; Washing part, cleaning, refinishing, painting; Improper container; Combustible too close to heat; Children with ignited material.
- (c) Mechanical failure, malfunction includes: Short-circuit, ground fault; Part failure, leak, break; Automatic/Manual control failure; Other electrical failure; Lack of maintenance, worn out; and Backfire.
- (d) Design, construction, installation deficiency includes: Design deficiency; Construction deficiency; Installed too close to combustibles; Other installation deficiency; Property too close to other heat source.
- (e) Operational deficiency includes: Collision, overturn, knock over; Accidentally turned on, not turned off; Unattended Overloaded; Spontaneous heating; Improper start-up, shut-down procedures; Failure to clean - included is a fouled flue.
- (f) Incendiary, legal decision or physical evidence indicates that the fire was deliberately set.
- (g) Suspicious circumstances indicate the possibility that the fire may have been deliberately set.
- (h) Factors include: High wind; Earthquake; High water, including floods; Lightning.
- (i) Factors include: Animal; Re-kindled from a previous fire; Vehicle - included are exhaust systems and other vehicle parts.
- (j) Structure fires whose cause was either undetermined or not reported



Table 9A.17 Ignition factors for structure fires (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

|  | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> | <i>Aust</i> |
|--|------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|-------------|
|  | Unit       | (k)        | (k)        |           | (k)       |            |            | (k)       |             | Unit        |

(k) Jurisdiction notes:

**NSW:** A new reporting system was implemented in 2015. The ignition factor classification scheme is different to the AFAC AIRS Standard which used as the basis for reporting in this Report. The data fields Property Location Use, Cause Determination and Area of Fire Origin are used to classify the ignition factor.

**Qld:** Accurate identification of incidents attended by Queensland Fire and Emergency Services' (QFES) rural brigades prior to the 2012-13 fiscal year was not possible due to incomplete voluntary reporting procedures. Improved reporting practices have resulted in a higher rate of completion of incident reports for incidents where rural brigades are responsible. New procedures were fully implemented from 1 July 2013 in an endeavour to enhance the rate of reporting for volunteer attendances. QFES urban stations are estimated to serve 87.6 per cent of Queensland's population.

**SA:** 2015-16: 'Ignition Factors not determined' is unreliable due to incorrect reporting field in AIRS.

For 2013-14, Country Fire Service (CFS) industrial action between 1/12/2013 and 30/06/2014 affected the collection of CFS incident data.

2012-13 data for structure fires ignited due to misuse, failure or deficiency data have been revised.

For 2004-05, Metropolitan Fire Service (MFS) industrial action between 18/4/05 to 20/06/05 affected the collection of MFS incident data (no incident reports were completed during this period).

**NT:** A change to the grouping for suspicious structure fires has resulted in a increase in figures for this category in 2012-13.

**Source:** State and Territory Governments (unpublished).

Table 9A.18 **Hazardous materials incidents (a), (b), (c), (d), (e)**

|   | <i>NSW (f)</i> | <i>Vic (f)</i> | <i>Qld (f)</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|---|----------------|----------------|----------------|-----------|-----------|------------|------------|-----------|-------------|
| <b>Hazardous materials incidents (per 100 000 people)</b> |                |                |                |           |           |            |            |           |             |
| 2015-16   | 117.3          | 15.8           | 5.1            | 6.5       | 10.9      | 3.5        | 29.3       | 30.7      | 44.9        |
| 2014-15   | 29.4           | 16.8           | 6.5            | 7.6       | 10.9      | 7.2        | 35.6       | 62.6      | 17.9        |
| 2013-14   | 12.3           | 15.1           | 6.7            | 6.5       | 13.1      | 8.4        | 26.0       | 54.4      | 11.9        |
| 2012-13   | 11.0           | 18.0           | 9.6            | 6.8       | 13.9      | 6.0        | 32.7       | 59.9      | 13.0        |
| 2011-12   | 10.5           | 16.1           | 6.6            | 5.7       | 11.9      | 7.2        | 39.7       | 58.1      | 11.6        |
| 2010-11   | 11.3           | 17.0           | 7.8            | 5.5       | 12.4      | 6.1        | 37.8       | 56.9      | 12.3        |
| 2009-10   | 12.0           | 17.9           | 7.3            | 4.5       | 10.1      | 9.1        | 36.0       | 76.8      | 12.6        |
| 2008-09   | 13.0           | 17.1           | 10.1           | 3.2       | 29.2      | 6.2        | 37.0       | 82.7      | 14.6        |
| 2007-08   | 11.3           | 27.8           | 10.0           | 4.1       | 11.4      | 5.2        | 52.0       | 41.5      | 15.2        |
| 2006-07   | 14.3           | 32.1           | 8.0            | 4.5       | 69.0      | 7.3        | 37.5       | 77.7      | 21.5        |
| <b>Hazardous materials incidents (number)</b>             |                |                |                |           |           |            |            |           |             |
| 2015-16   | 8 999          | 947            | 247            | 168       | 186       | 18         | 115        | 75        | 10 755      |
| 2014-15   | 2 221          | 989            | 309            | 195       | 185       | 37         | 138        | 153       | 4 227       |
| 2013-14   | 915            | 877            | 313            | 167       | 219       | 43         | 100        | 132       | 2 766       |
| 2012-13   | 806            | 1 023          | 443            | 169       | 231       | 31         | 124        | 142       | 2 969       |
| 2011-12   | 760            | 898            | 300            | 135       | 196       | 37         | 147        | 135       | 2 608       |
| 2010-11   | 809            | 937            | 347            | 127       | 202       | 31         | 138        | 131       | 2 722       |
| 2009-10   | 854            | 970            | 319            | 101       | 164       | 46         | 129        | 175       | 2 758       |
| 2008-09   | 911            | 910            | 430            | 70        | 466       | 31         | 130        | 184       | 3 132       |
| 2007-08   | 777            | 1 448          | 415            | 87        | 180       | 26         | 179        | 90        | 3 202       |
| 2006-07   | 971            | 1 637          | 324            | 94        | 1 077     | 36         | 127        | 164       | 4 430       |

- (a) Data may differ from those in table 9A.4 which include fires involving or releasing hazardous materials. Data also exclude minor fuel or other flammable liquid spills/leaks less than 200 litres except for SA in 2006-07 and the ACT for all years.
- (b) Population data used to derive rates are as at 31 December. ERP data for 2006 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.
- (c) Data represent incidents attended by Fire Service Organisations (FSOs). FSOs may not be notified of all hazardous materials incidents occurring in the community.
- (d) Coding of hazardous materials incidents is based on the judgment of the reporting fire officer shortly after the time of the incident. Some coding of incidents may be inaccurate due to the information available at the time of reporting.
- (e) Changes to hazardous materials incident reporting were accepted and ratified by the AFAC SIMSG in November 2005 for implementation from July 1 2006. However, each fire service may have implemented these changes at different times, with implementation complete in the 2009-10 year.
- (f) Jurisdiction notes:

**NSW:** The definition of the number of hazardous materials incidents does not comply with the Fire and Emergency Services Activity Data Dictionary July 2016. In the past only the primary action taken by the crew was reported on the AIRS report. The new reporting system allows for the recording of multiple actions performed by crew. Incidents involving hazmat actions regardless of the incident type are now counted. "Wires down" incidents are also categorised as "hazardous material incidents" under the Fire Brigades Act 1989 (NSW), and FRNSW is entitled to recover a statutory charge for such attendances. Previous counting rules excluded these incident types.

**Vic:** 2011-12 and 2012-13 hazardous material data have been revised from the data published in the 2013 and 2014 reports to correct a coding error.

**Qld:** QFES urban stations are estimated to serve 87.6 per cent of Queensland's population.

Table 9A.18 **Hazardous materials incidents (a), (b), (c), (d), (e)**

|  | <i>NSW (f)</i> | <i>Vic (f)</i> | <i>Qld (f)</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|--|----------------|----------------|----------------|-----------|-----------|------------|------------|-----------|-------------|
|--|----------------|----------------|----------------|-----------|-----------|------------|------------|-----------|-------------|

*Source:* State and Territory governments; ABS (unpublished), *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.2).

TABLE 9A.19

Table 9A.19 **Reported road crash rescue incidents (number) (a), (b), (c)**

|   | <i>NSW</i> | <i>Vic</i><br>(d) | <i>Qld</i><br>(d) | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i><br>(d) | <i>NT</i><br>(d) | <i>Aust</i> |
|---|------------|-------------------|-------------------|-----------|-----------|------------|-------------------|------------------|-------------|
| <b>Total incidents</b>                  |            |                   |                   |           |           |            |                   |                  |             |
| 2015-16                                 | 3 771      | 2 274             | 7 232             | 1 112     | 7 146     | 512        | 633               | 564              | 23 244      |
| 2014-15                                 | 3 761      | 2 086             | 7 542             | 1 081     | 6 517     | 466        | 697               | 554              | 22 704      |
| 2013-14                                 | 4 512      | 2 157             | 7 733             | 1 021     | 6 090     | 524        | 625               | 303              | 22 965      |
| 2012-13                                 | 4 542      | 2 013             | 7 685             | 1 031     | 6 022     | 475        | 658               | 28               | 22 454      |
| 2011-12                                 | 5 332      | 2 235             | 7 675             | 937       | 5 593     | 475        | 666               | 70               | 22 983      |
| 2010-11                                 | 5 247      | 2 157             | 7 501             | 1 053     | 6 633     | 494        | 630               | 332              | 24 047      |
| 2009-10                                 | 5 515      | 1 910             | 6 995             | 791       | 5 788     | 395        | 668               | 304              | 22 366      |
| 2008-09                                 | 6 163      | 2 166             | 8 436             | 885       | 5 799     | 476        | 451               | 430              | 24 806      |
| 2007-08                                 | 6 166      | 2 200             | 8 192             | 798       | 3 592     | 460        | 489               | 408              | 22 305      |
| 2006-07                                 | 7 002      | 2 258             | 7 809             | 845       | 1 997     | 475        | 954               | 437              | 21 777      |
| <b>Incidents per 100 000 people (c)</b> |            |                   |                   |           |           |            |                   |                  |             |
| 2015-16                                 | 49.2       | 37.9              | 150.4             | 42.7      | 419.7     | 99.0       | 161.1             | 231.1            | 97.1        |
| 2014-15                                 | 49.7       | 35.4              | 158.8             | 41.9      | 385.3     | 90.4       | 179.8             | 226.8            | 96.1        |
| 2013-14                                 | 60.4       | 37.2              | 164.9             | 40.0      | 363.1     | 102.0      | 162.7             | 124.9            | 98.5        |
| 2012-13                                 | 61.8       | 35.4              | 166.7             | 41.7      | 362.3     | 92.7       | 173.4             | 11.8             | 98.0        |
| 2011-12                                 | 73.6       | 40.1              | 170.1             | 39.3      | 340.0     | 92.8       | 179.6             | 30.1             | 102.2       |
| 2010-11                                 | 73.1       | 39.2              | 169.1             | 45.4      | 406.3     | 96.8       | 172.7             | 144.2            | 108.5       |
| 2009-10                                 | 77.7       | 35.2              | 160.2             | 34.9      | 357.6     | 78.0       | 186.7             | 133.5            | 102.3       |
| 2008-09                                 | 88.0       | 40.8              | 197.3             | 40.1      | 362.9     | 94.9       | 128.5             | 193.2            | 115.5       |
| 2007-08                                 | 89.6       | 42.3              | 196.9             | 37.4      | 227.6     | 92.8       | 142.1             | 188.3            | 106.1       |
| 2006-07                                 | 103.2      | 44.2              | 192.5             | 40.7      | 127.9     | 96.6       | 281.9             | 207.1            | 105.6       |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) For road crash rescue, jurisdictions provide data for both fire service organisations and State/Territory Emergency Services. Data are counted for both urban and rural services and for both career and volunteer services, other than the NT — see footnote d for caveats.

(c) Population data used to derive rates are as at 31 December. ERP data for 2006 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.

(d) Jurisdiction notes:

*Vic*: 2010-11 data excludes 'cancelled before arrival' incidents.

Due to data collection issues, data are incomplete for 2005-06.

*Qld*: The decrease in Queensland Fire and Emergency Services (QFES) attendance at traffic incidents in 2009-10 can be attributed to the revised road crash rescue protocols implemented in September 2009 to reduce unnecessary attendance by the QFES at mobile property crashes.

*ACT*: Data analysis has been refined in 2007-08 to better reflect road crash rescue incidents.

*NT*: The Northern Territory Fire and Rescue Service is currently examining its data reporting and inputting processes to ensure accurate reporting in line with the counting rules as defined in the data dictionary. Figures for 2012-13 are likely to indicate considerable under-reporting – resulted in a restructure to ensure alignment of data reporting and input processes with counting rules as defined in the data dictionary.

Table 9A.19 **Reported road crash rescue incidents (number) (a), (b), (c)**

|  | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|--|------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
|  |            | (d)        | (d)        |           |           |            | (d)        | (d)       |             |

Source: State and Territory governments; ABS (unpublished), *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.2).

Table 9A.20 **Reported road crash rescue extrications (number) (a), (b), (c), (d), (e)**

|   | <i>NSW</i> | <i>Vic (f)</i> | <i>Qld (f)</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT (f)</i> | <i>Aust</i> |
|---|------------|----------------|----------------|-----------|-----------|------------|------------|---------------|-------------|
| <b>Total extrications</b>                               |            |                |                |           |           |            |            |               |             |
| 2015-16   | 3 092      | 1 227          | 2 111          | 485       | 335       | 101        | 224        | 93            | 7 668       |
| 2014-15   | 2 879      | 1 216          | 2 163          | 536       | 557       | 104        | 261        | 121           | 7 837       |
| 2013-14   | 3 890      | 1 494          | 2 170          | 507       | 416       | 125        | 257        | 130           | 8 989       |
| 2012-13   | 3 933      | 1 390          | 2 443          | 506       | 365       | 120        | 249        | 19            | 9 025       |
| 2011-12   | 4 046      | 1 499          | 2 405          | 487       | 391       | 31         | 244        | 37            | 9 140       |
| 2010-11   | 4 105      | 2 517          | 2 260          | 517       | 589       | 166        | 261        | 122           | 10 537      |
| 2009-10   | 4 111      | 2 113          | 1 982          | 413       | 550       | 104        | 323        | 113           | 9 709       |
| 2008-09   | 4 481      | 1 672          | 2 382          | 508       | 549       | 129        | 80         | 138           | 9 939       |
| 2007-08   | 4 180      | 1 704          | 2 183          | 446       | 533       | 146        | 108        | 108           | 9 408       |
| 2006-07   | 4 453      | 1 751          | 2 104          | 570       | 524       | 117        | 487        | 91            | 10 097      |
| <b>Extrications per 100 000 people (c)</b>              |            |                |                |           |           |            |            |               |             |
| 2015-16   | 40.3       | 20.5           | 43.9           | 18.6      | 19.7      | 19.5       | 57.0       | 38.1          | 32.0        |
| 2014-15   | 38.1       | 20.7           | 45.5           | 20.8      | 32.9      | 20.2       | 67.3       | 49.5          | 33.2        |
| 2013-14   | 52.1       | 25.8           | 46.3           | 19.9      | 24.8      | 24.3       | 66.9       | 53.6          | 38.5        |
| 2012-13   | 53.5       | 24.5           | 53.0           | 20.5      | 22.0      | 23.4       | 65.6       | 8.0           | 39.4        |
| 2011-12   | 55.8       | 26.9           | 53.3           | 20.4      | 23.8      | 6.1        | 65.8       | 15.9          | 40.6        |
| 2010-11   | 57.2       | 45.8           | 50.9           | 22.3      | 36.1      | 32.5       | 71.5       | 53.0          | 47.5        |
| 2009-10   | 57.9       | 39.0           | 45.4           | 18.2      | 34.0      | 20.5       | 90.3       | 49.6          | 44.4        |
| 2008-09   | 64.0       | 31.5           | 55.7           | 23.0      | 34.4      | 25.7       | 22.8       | 62.0          | 46.3        |
| 2007-08   | 60.7       | 32.8           | 52.5           | 20.9      | 33.8      | 29.4       | 31.4       | 49.9          | 44.8        |
| 2006-07   | 65.6       | 34.3           | 51.9           | 27.4      | 33.6      | 23.8       | 143.9      | 43.1          | 48.9        |
| <b>Extrications per 100 000 registered vehicles (d)</b> |            |                |                |           |           |            |            |               |             |
| 2015-16   | 57.5       | 26.2           | 54.8           | 35.5      | 15.2      | 22.1       | 142.0      | 32.3          | 41.7        |
| 2014-15   | 54.9       | 26.6           | 57.4           | 24.5      | 41.3      | 23.1       | 92.0       | 78.0          | 43.5        |
| 2013-14   | 76.2       | 33.3           | 58.6           | 23.7      | 31.4      | 28.2       | 92.0       | 85.4          | 51.0        |
| 2012-13   | 78.9       | 31.7           | 67.7           | 24.7      | 28.1      | 27.5       | 90.9       | 12.8          | 52.5        |
| 2011-12   | 83.1       | 35.0           | 68.9           | 24.6      | 30.7      | 7.2        | 91.3       | 26.2          | 54.6        |

Table 9A.20 **Reported road crash rescue extrications (number) (a), (b), (c), (d), (e)**

|  | NSW   | Vic (f) | Qld (f) | WA   | SA   | Tas  | ACT   | NT (f) | Aust |
|--|-------|---------|---------|------|------|------|-------|--------|------|
| 2010-11  | 85.9  | 60.0    | 66.4    | 27.0 | 46.7 | 39.6 | 100.8 | 89.0   | 64.4 |
| 2009-10  | 87.8  | 51.4    | 59.0    | 22.1 | 44.4 | 25.4 | 127.2 | 83.9   | 60.5 |
| 2008-09  | 98.1  | 41.7    | 72.6    | 27.8 | 45.4 | 32.2 | 32.4  | 107.2  | 63.4 |
| 2007-08  | 93.7  | 43.5    | 68.8    | 25.5 | 45.2 | 37.3 | 44.7  | 87.8   | 61.7 |
| 2006-07  | 102.1 | 45.9    | 69.4    | 34.0 | 45.3 | 30.7 | 207.6 | 77.0   | 68.3 |
| <b>Extrications per 100 million vehicle kilometres travelled (e)</b> |       |         |         |      |      |      |       |        |      |
| 2015-16  | 4.3   | 1.9     | 4.1     | 1.8  | 2.0  | 1.9  | 6.0   | 4.6    | 3.1  |
| 2014-15  | –     | –       | –       | –    | –    | –    | –     | –      | –    |
| 2013-14  | –     | –       | –       | –    | –    | –    | –     | –      | –    |
| 2012-13  | –     | –       | –       | –    | –    | –    | –     | –      | –    |
| 2011-12  | 6.1   | 2.5     | 4.7     | 1.8  | 2.4  | 0.6  | 6.4   | 0.8    | 3.9  |
| 2010-11  | 6.2   | 4.2     | 4.5     | 1.9  | 3.8  | 3.4  | 7.1   | 3.6    | 4.6  |
| 2009-10  | 6.2   | 3.5     | 4.1     | 1.6  | 3.8  | 2.1  | 9.1   | 5.8    | 4.3  |
| 2008-09  | 6.8   | 2.9     | 4.9     | 2.0  | 3.6  | 2.5  | 2.3   | 7.2    | 4.4  |
| 2007-08  | 6.4   | 3.0     | 4.5     | 1.8  | 3.3  | 2.7  | 3.3   | 5.8    | 4.2  |
| 2006-07  | 7.1   | 3.0     | 4.6     | 2.3  | 3.7  | 2.3  | 15.4  | 5.1    | 4.7  |

(a) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(b) For road crash rescue, jurisdictions provide data for both fire service organisations and State/Territory Emergency Services. Data are counted for both urban and rural services and for both career and volunteer services, other than the NT — see footnote f for caveats.

(c) Population data used to derive rates are as at 31 December. ERP data for 2006 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.

(d) Registered vehicle numbers from the ABS *Motor Vehicle Census* (ABS 2014 and various years). ABS revisions to census data means that the rates shown here may differ from those in previous reports.

(e) Kilometres travelled: For years 2006-07 (and prior), 2009-10, and 2011-12 data are from the ABS *Survey of Motor Vehicle Use* (ABS 2013). For 2007-08 data are from ABS *Experimental estimates of motor vehicle use* (ABS 2009). For 2008-09 and 2010-11 data are estimated as the mid point between ABS published points. 2012-13 data are estimated as 2011-12 data plus a growth factor (equal to the growth of the number of registered vehicles). ABS revisions to survey data means that the rates shown here may differ from those in previous reports.

(f) Jurisdiction notes:

Vic: A higher number of extrications has been observed for 2009-10 due to incidents involving more than one extrication.

Table 9A.20 **Reported road crash rescue extrications (number) (a), (b), (c), (d), (e)**

|  | <i>NSW</i> | <i>Vic (f)</i> | <i>Qld (f)</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT (f)</i> | <i>Aust</i> |
|--|------------|----------------|----------------|-----------|-----------|------------|------------|---------------|-------------|
|--|------------|----------------|----------------|-----------|-----------|------------|------------|---------------|-------------|

Due to data collection issues, data are incomplete for 2005-06.

Qld: The decrease in Queensland Fire and Emergency Services (QFES) attendance at traffic incidents in 2009-10 can be attributed to the revised road crash rescue protocols implemented in September 2009 to reduce unnecessary attendance by the QFES at mobile property crashes. Data for 2009-10 and 2010-11 were revised in RoGS 2013.

NT: The Northern Territory Fire and Rescue Service is currently examining its data reporting and inputting processes to ensure accurate reporting in line with the counting rules as defined in the data dictionary. Figures for 2012-13 are likely to indicate considerable under-reporting – resulted in a restructure to ensure alignment of data reporting and input processes with counting rules as defined in the data dictionary.

Source: ABS 2016, *Motor Vehicle Census*, Cat. no. 9309.0, Canberra; ABS 2015, *Survey of Motor Vehicle Use*, Cat. No. 9208.0, Canberra; ABS 2009, *Experimental estimates of motor vehicle use*, Cat. No. 9222.0, Canberra; ABS (unpublished), *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.2); State and Territory governments (unpublished).



Table 9A.21 Prevention activities of fire service organisations

|   | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|---|------------|------------|------------|-----------|-----------|------------|------------|-----------|
| Promotion of:   |            |            |            |           |           |            |            |           |
| Smoke alarms  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Maintenance of smoke alarms   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Safety switches   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Fire extinguishers  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Fire blankets   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| General prevention and awareness for:   |            |            |            |           |           |            |            |           |
| Residential   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Business and government   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Industry  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Rural/farming   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |
| Targeted programs for:  |            |            |            |           |           |            |            |           |
| Cultural and language diversity groups  | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | x         |
| Aboriginal and Torres Strait<br>Islander communities                                  | ✓          | ✓          | ✓          | ✓         | ✓         | x          | x          | x         |
| Other risk groups   | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | x         |
| Conduct of community engagement and<br>awareness programs in bush fire prone<br>areas | ✓          | ✓          | ✓          | ✓         | ✓         | ✓          | ✓          | ✓         |

Source: State and Territory governments (unpublished).

Table 9A.22 Selected fire risk management/mitigation strategies (a)

|            | <i>Bushfire risk management strategies</i>   | <i>Community awareness and fire education programs</i>  | <i>Smoke alarm legislation</i>  |
|------------|--|---|---|
| <i>NSW</i> | <ul style="list-style-type: none"> <li>• Implementation of bushfire risk management plans</li> <li>• Community Fire Units</li> <li>• Amendments to Rural Fires Act leading to changes to the effect of the Bushfire Code of Practice</li> <li>• Static Water Supply Program</li> <li>• Standards of Fire Cover Program for vehicle resource allocation</li> <li>• Development of a brigade classification system based on risk analysis</li> <li>• Service Delivery Model to guide District activities and ongoing community education strategies</li> </ul> | <ul style="list-style-type: none"> <li>• School fire education programs (Fire Safe and Fire Science)</li> <li>• Preschool fire education</li> <li>• Aboriginal Fire Stories</li> <li>• Juvenile Intervention and Fire Awareness Program</li> <li>• Partnerships with agencies with similar objectives</li> <li>• Development and distribution of education teaching resources, community safety videotapes, fact sheets available</li> <li>• Home Fire Safety Checks program</li> <li>• Brigade Kids website</li> </ul> | <p>Mandatory legislation for new homes or homes undergoing major renovations.</p> <p>The Building Legislation Amendment (Smoke Alarms) Act 2005 and the Environmental Planning and assessment Amendment (Smoke Alarms) regulation 2006 commenced on 1 May 2006 and requires: the installation of one or more smoke alarms in buildings in which persons sleep; smoke alarms in such buildings must be operational; and persons do not remove or interfere with the operation of smoke alarms installed in such buildings.</p> |
| <i>Vic</i> | <ul style="list-style-type: none"> <li>• Creation of commercial plantation industry brigades (Forestry Industry Brigades)</li> <li>• Bushfire Management Overlay and Planning Control</li> <li>• Bushfire Prone Area building control</li> <li>• Fire access road subsidy scheme</li> <li>• Integrate fire management planning with municipalities and other agencies</li> <li>• Roadside fire management planning</li> </ul>  | <p>Community Fire Awareness Programs including:</p> <ul style="list-style-type: none"> <li>• Fire Safe Kids</li> <li>• Fire Safe Youth</li> <li>• Early FireSafe</li> <li>• FireReady</li> <li>• Community Fireguard</li> <li>• Summer Street Meetings, Vic Deaf Fire Safety Campaign, MFB Multicultural Liaison Officers, InFlame - Mailout and social media messaging</li> </ul>  | <p>Mandatory for all homes supported by public awareness campaigns</p>  |
| <i>Qld</i> | <ul style="list-style-type: none"> <li>• Wildfire mitigation coordination: Cooperative approach to bushfire prevention at many levels (State Inter-departmental Committees [IDC], Regional IDC, Local Fire Management Groups)</li> <li>• Wildfire Readiness Plans (Wildfire Mitigation Plans; Wildfire Operations Plans)</li> </ul>  | <ul style="list-style-type: none"> <li>• <i>Fire Ed</i> — for Year one students</li> <li>• <i>Safehome</i> initiative</li> <li>• Initiatives to support people with a disability in preparing for emergencies</li> </ul>  | <p>From 1 July 2007, mandatory legislation exists for hard wired smoke alarm installation in all new households and homes undergoing major renovations. Homes built prior to 1 July 2007 have a minimum requirement to install at least one 9 volt battery operation smoke alarm.</p>   |

Table 9A.22 Selected fire risk management/mitigation strategies (a)

|            | <i>Bushfire risk management strategies</i>  | <i>Community awareness and fire education programs</i>  | <i>Smoke alarm legislation</i>   |
|------------|---|---|--|
|            | <ul style="list-style-type: none"> <li>Rural brigade classification and resource allocation system based on risk analysis</li> <li>Fire Danger Ratings Signs</li> </ul>   | <ul style="list-style-type: none"> <li><i>PREPARE.ACT.SURVIVE. Bushfire preparedness campaign</i></li> <li>Volunteer Community Educator Network</li> <li>StormSafe - The aim of the program is to promote an awareness of safe practices when in and around flood and stormwater.</li> <li>Fight Fire Fascination program designed to support parents and guardians with their efforts to educate their children about fire.</li> <li>SeniorEd initiative</li> <li>SafeSpace - for Years 5 and 6 students.</li> </ul> |  |
| <b>WA</b>  | <ul style="list-style-type: none"> <li>Partnership agreements between Department of Fire and Emergency Services (DFES) and local governments and between DFES and the Department of Parks and Wildlife.</li> <li>DFES provides a fire risk management service to the Department of Lands for unallocated Crown land and unmanaged reserves within gazetted town sites in WA.</li> <li>Undertaking tenure blind bushfire risk management planning for all identified extreme bushfire risk local governments in WA.</li> </ul> | <ul style="list-style-type: none"> <li>Community fire education programs</li> <li>School education programs</li> </ul>  | Mandatory legislation for hard wired smoke alarm installation in all new households and homes undergoing major renovations |
| <b>SA</b>  | <ul style="list-style-type: none"> <li>Comprehensive Statewide bushfire prevention planning process with a local government focus</li> <li>Statewide consultation with government land management agencies and utilities on bushfire prevention planning processes</li> <li>Mandatory consultation by State and local planning authorities with CFS for new residential and tourist developments in bushfire-prone areas</li> </ul>   | <ul style="list-style-type: none"> <li>Community fireguard fire safety education for junior and primary schools</li> <li>Community fire safe programs</li> <li>Junior Fire Lighters Intervention Program (JFLIP)</li> </ul>   | Legislation mandates hard wired smoke alarms in all new households and homes and in all households and homes before sale   |
| <b>Tas</b> | <ul style="list-style-type: none"> <li>Development of Fire Protection Plans for areas at risk from bushfire.</li> <li>Establishment of Multi-Agency Coordination Group comprising TFS, Forestry Tasmania and the Parks and Wildlife Service to jointly manage significant landscape fires</li> </ul>  | <ul style="list-style-type: none"> <li>Partnerships with agencies with similar objectives</li> <li>Specific fire safety programs for at-risk sectors of domestic and business community</li> </ul>  | Legislation mandating hard wired smoke alarms in all new homes and those undergoing major renovations                      |

Table 9A.22 Selected fire risk management/mitigation strategies (a)

| <i>Bushfire risk management strategies</i>  | <i>Community awareness and fire education programs</i>  | <i>Smoke alarm legislation</i>   |   |
|---|---|--|---|
| <ul style="list-style-type: none"> <li>• Establishment of self sustaining neighbourhood groups to develop local bushfire survival strategies</li> <li>• Permit system to control the number, type and location of prescribed fires burning during the bushfire season.</li> <li>• Review of State Air Operations Procedures has been undertaken to improve operational efficiencies during bushfires</li> <li>• Command and Control arrangements have been documented for the Regional and State Fire Operations Centres</li> <li>• Joint Bushfire Arrangements between Tasmania Police and the Tasmania Fire Service have been agreed</li> <li>• Staging of machinery, aircraft and strike teams at strategic areas around the state on days of total fire ban.</li> </ul> | <ul style="list-style-type: none"> <li>• The appointment of additional Community Development Officers</li> </ul>  |  |   |
| <b>ACT</b>  | <ul style="list-style-type: none"> <li>• Strategic bushfire management plan outlines a strategic risk management approach to bushfires and includes: risk assessment, prevention, preparedness, response, recovery, standards monitoring and reporting, and resource planning.</li> <li>• Community Fire Units commenced.</li> <li>• Permit system, in accordance with Emergencies Act, 2004, to control the number, type, and location of prescribed fires during the bushfire season.</li> <li>• MOUs between the ESA and other government agencies, both ACT and NSW.</li> </ul> | <ul style="list-style-type: none"> <li>• Juvenile Firelighting Awareness Intervention Program (JFAIP) - fire prevention program to children 3-16 yrs presenting with dangerous firelighting behaviours</li> <li>• Fire Ed (primary school fire safety education)</li> <li>• Community Liaison and Safety Program (CLASP) - assists older people to reduce safety and security risks in the home</li> <li>• Community Fire Unit Saturday and RFS open day campaigns</li> <li>• Bush FireWise program <ul style="list-style-type: none"> <li>- provide information and increase resilience of community living in rural interface</li> <li>- Revised Yellow Pages incorporating the 'Handy Map'</li> <li>- Extensive consultation in lead up to SBMP</li> <li>- Televised community service announcements</li> <li>- Attendance at The Canberra Show</li> <li>- Publication of several community information booklets</li> </ul> </li> </ul> | Mandatory legislation for new homes or homes undergoing major renovations |

Table 9A.22 Selected fire risk management/mitigation strategies (a)

|                | <i>Bushfire risk management strategies</i>   | <i>Community awareness and fire education programs</i>  | <i>Smoke alarm legislation</i>   |
|----------------|--|---|--|
| <i>NT</i>      | <ul style="list-style-type: none"> <li>Implementation of hazard reduction plans</li> </ul>   | <ul style="list-style-type: none"> <li>Community fire awareness programs</li> <li>School education programs</li> <li>Hazard abatement programs</li> </ul>   | Mandatory Territory Legislation (2011) for photoelectric smoke installation in all Northern Territory households including caravans, demountable, transportables and resort style tents. The Building Code of Australia calls for hard wired smoke alarms in premises built after January 1998 |
| <i>Aus Gov</i> | <ul style="list-style-type: none"> <li>The Australian Government committed \$13.5 million over three years to 2016-17 towards bushfire mitigation activities in all states and territories, including \$2.2 million for the development of national agreed approaches to prescribed burning (through the National Burning Project), and \$11.3 million for state-based bushfire mitigation activities. Separately, \$1.5 million is administered by the Department of Agriculture for mechanical fuel load reduction trials. The \$11.3 million is to be used to deliver effective land management strategies and practices that result in better fuel reduction, construction and maintenance of fire trails and associated accessibility measures, implementation of cost effective activities that reduce the impact of severe bushfires and promote community resilience, and generation of scientific information to develop best practice strategies for bushfire mitigation and mitigating the effects of bushfires on communities.</li> <li>The Australian Government committed \$52.2 million over two years to 2016-17 to implement activities to strengthen community resilience to natural disasters, including bushfires, through the: publication of a state-wide risk assessment by 30 June 2017, implementation of a programme of natural disaster resilience activities to address risk priorities; and, provision of support to emergency management volunteers to address attraction, support and retention issues.</li> <li>Requirement under Building Code of Australia that residential type buildings in bushfire prone areas be constructed to provide protection against embers, radiation and direct flame contact to reduce danger to life and minimise the risk of the loss of the building</li> </ul> | <ul style="list-style-type: none"> <li>Through the Australian Institute for Disaster Resilience (AIDR), the Australian Government will provide the: <ul style="list-style-type: none"> <li>- development and maintenance of primary school classroom learning programs and resources to enhance community capacity in relief and recovery skills</li> <li>- ongoing maintenance, enhancement and delivery of the Disaster Resilience Education for Schools website, including accessibility and further development where the sector requires</li> <li>- management of the Disaster Resilience Australia and New Zealand Schools Education Network, including conducting no less than two national professional development workshops on disaster preparedness and resilience for school leaders and principals annually, and</li> <li>- Knowledge Management Program to ensure the provision of an accessible platform to publish authoritative and influential research resources relevant to the sector</li> </ul> </li> </ul> | Requirement under Building Code of Australia (developed and managed by the Australian Building Codes Board) that smoke alarms be installed in all new homes  |

(a) This table does not provide an exhaustive list of fire risk management/mitigation strategies across jurisdictions. Some jurisdictions also operate ambulance risk management/mitigation strategies.

Source: Australian Government and State and Territory emergency management agencies (unpublished).

Table 9A.23 **Households with a smoke alarm or smoke detector installed (a)**

| <i>Unit</i>   | <i>NSW</i><br>(b) | <i>Vic</i><br>(b) | <i>Qld</i><br>(b) | <i>WA</i><br>(b) | <i>SA</i> | <i>Tas</i> | <i>ACT</i><br>(b) | <i>NT</i><br>(b) |      |
|---|-------------------|-------------------|-------------------|------------------|-----------|------------|-------------------|------------------|------|
| <b>Estimated percentage of households with a smoke alarm/detector</b>   |                   |                   |                   |                  |           |            |                   |                  |      |
| 2015-16   | %                 | 93.6              | 97.2              | 96.5             | 91.0      | na         | na                | na               | 80.0 |
| 2014-15   | %                 | 94.4              | 97.2              | 94.9             | na        | na         | na                | na               | 80.0 |
| 2013-14   | %                 | 94.1              | 97.2              | 96.6             | 94.0      | na         | na                | na               | na   |
| 2012-13   | %                 | 92.8              | 97.2              | 95.5             | 91.0      | na         | na                | na               | na   |
| 2011-12   | %                 | na                | 97.2              | 94.7             | 92.0      | na         | na                | na               | na   |
| 2010-11   | %                 | 94.2              | 97.2              | 95.0             | 90.0      | na         | na                | na               | na   |
| 2009-10   | %                 | 93.7              | 97.2              | 96.4             | 89.0      | na         | na                | na               | na   |
| 2008-09   | %                 | 93.6              | 97.2              | 97.3             | 86.0      | na         | na                | na               | na   |
| 2007-08   | %                 | 92.9              | 97.2              | 96.2             | 86.0      | na         | na                | 89.7             | na   |
| 2006-07   | %                 | 86.9              | 95.5              | 87.1             | 86.0      | na         | na                | na               | na   |
| <b>Estimated percentage of households with a smoke alarm/detector that is operational/has been tested (a)</b> |                   |                   |                   |                  |           |            |                   |                  |      |
| 2015-16   | %                 | na                | na                | 87.3             | 69.0      | na         | na                | na               | na   |
| 2014-15   | %                 | na                | na                | 85.9             | na        | na         | na                | na               | na   |
| 2013-14   | %                 | na                | na                | 88.1             | na        | na         | na                | na               | na   |
| 2012-13   | %                 | na                | na                | 87.0             | na        | na         | na                | na               | na   |
| 2011-12   | %                 | na                | na                | 87.0             | na        | na         | na                | na               | na   |
| 2010-11   | %                 | na                | na                | 86.6             | na        | na         | na                | na               | na   |
| 2009-10   | %                 | na                | na                | 89.2             | na        | na         | na                | na               | na   |
| 2008-09   | %                 | na                | na                | 90.1             | na        | na         | na                | na               | na   |
| 2007-08   | %                 | na                | 82.2              | 87.6             | na        | na         | na                | 69.6             | na   |
| 2006-07   | %                 | na                | na                | 79.0             | na        | na         | na                | na               | na   |

(a) Tested manually within the last 12 months.

(b) Jurisdiction notes:

Table 9A.23 **Households with a smoke alarm or smoke detector installed (a)**

| <i>Unit</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|
|             | (b)        | (b)        | (b)        | (b)       |           |            | (b)        | (b)       |

NSW: Estimates are based on the following numbers of respondents for NSW: 2014 (12,217) 2013 (2,430), 2010 (7,333), 2009 (7,846), 2008 (8,417), 2007 (7,301), 2006 (7,795), 2005 (11,500), 2004 (9,786), 2003 (13,008), 2002 (12,564), 1998 (17,416), 1997 (17,467). The indicator includes those who have a smoke alarm or detector in their home. The question used to define the indicator was "Do you have smoke alarms installed in your home?" where the Relative Standard Error (RSE)  $\geq$  25% n/a or "\*" is shown. Data were sourced from the NSW Adult Population Health Survey (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry Health. Results for 2013 are based on the Jan-Mar 2013 Quarter only (2,400 respondents). It includes data from both landline and mobile phone surveys. No data were collected in 2011 and 2012.

Vic: 2007-08 data are sourced from ABS Household Preparedness for Emergencies Survey.

In 2008-09 and subsequent years, this data is used as a proxy as no subsequent survey has been conducted.

Data prior to 2007-08, sourced from a random telephone survey of 2,304 respondents residing within the 23 local government areas significant to the metropolitan fire district which was conducted in April 2004.

Qld: The 2015-16 result is sourced from annual Queensland Household Survey (February 2016). Data are estimates for the whole population of Queensland. Legislation requiring the compulsory installation of smoke alarms in all Queensland homes was introduced in July 2007. QFES continues to deliver promotional strategies to increase the percentage of households with an operational smoke alarm.

WA: No survey was conducted in 2014-15.

ACT: Data for 2007-08 supplied by ABS Household Preparedness for Emergencies survey.

NT: The Northern Territory Fire and Emergency Regulations places a requirement to install smoke alarms upon the owner of residential premises or a moveable dwelling. Approved smoke alarms must comply with AS 3786.

na Not available.

Source: State and Territory governments (unpublished).

Table 9A.24 Firefighter workforce per 100 000 people (a), (b)

|  | <i>NSW</i> | <i>Vic</i><br>(c) | <i>Qld</i><br>(c) | <i>WA</i><br>(c) | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i><br>(c) | <i>Aust</i> |
|--|------------|-------------------|-------------------|------------------|-----------|------------|------------|------------------|-------------|
| <b>Firefighting personnel, FTE per 100 000 people</b>                  |            |                   |                   |                  |           |            |            |                  |             |
| 2015-16  | 53.3       | 82.2              | 53.4              | 42.9             | 52.2      | 55.5       | 90.1       | 106.1            | 60.5        |
| 2014-15  | 54.4       | 80.4              | 52.9              | 42.7             | 52.3      | 59.4       | 90.5       | 115.9            | 60.5        |
| 2013-14  | 52.8       | 95.5              | 52.1              | 43.9             | 53.1      | 57.4       | 93.5       | 95.2             | 63.5        |
| 2012-13  | 46.9       | 87.5              | 53.7              | 44.9             | 61.4      | 55.8       | 95.1       | 96.7             | 60.7        |
| 2011-12  | 55.1       | 75.3              | 54.6              | 47.0             | 62.6      | 53.7       | 94.7       | 92.1             | 60.7        |
| 2010-11  | 56.0       | 71.2              | 54.6              | 46.4             | 61.6      | 53.7       | 83.6       | 92.5             | 59.7        |
| 2009-10  | 56.5       | 74.6              | 54.3              | 45.4             | 63.0      | 55.3       | 82.2       | 90.9             | 60.6        |
| 2008-09  | 56.9       | 88.2              | 55.0              | 45.1             | 61.1      | 53.2       | 84.3       | 87.2             | 64.0        |
| 2007-08  | 57.0       | 80.5              | 56.7              | 45.6             | 59.4      | 59.7       | 95.6       | 85.9             | 62.8        |
| 2006-07  | 57.3       | 80.7              | 55.2              | 44.9             | 58.0      | 58.4       | 86.0       | 86.2             | 62.3        |
| <b>Fire service organisation volunteers, number per 100 000 people</b> |            |                   |                   |                  |           |            |            |                  |             |
| 2015-16  | 1 163.1    | 954.1             | 749.1             | 893.0            | 820.3     | 984.2      | 367.4      | 121.3            | 946.1       |
| 2014-15  | 1 094.9    | 976.2             | 736.8             | 1 121.2          | 818.0     | 979.2      | 396.8      | 571.5            | 956.8       |
| 2013-14  | 1 081.8    | 988.5             | 746.1             | 1 139.7          | 810.9     | 976.9      | 422.0      | 580.9            | 959.4       |
| 2012-13  | 1 077.4    | 1 014.3           | 759.1             | 1 174.3          | 821.8     | 950.8      | 421.3      | 587.7            | 970.7       |
| 2011-12  | 969.2      | 1 037.6           | 753.4             | 1 187.7          | 858.8     | 942.5      | 372.8      | 483.3            | 942.4       |
| 2010-11  | 1 078.2    | 1 056.5           | 766.3             | 1 247.1          | 893.3     | 936.3      | 338.0      | 337.4            | 991.2       |
| 2009-10  | 1 090.2    | 1 092.0           | 778.5             | 1 296.2          | 930.7     | 959.8      | 343.2      | 329.3            | 1 014.6     |
| 2008-09  | 1 077.4    | 1 109.4           | 795.2             | 1 233.6          | 964.7     | 968.4      | 350.3      | 242.7            | 1 013.6     |
| 2007-08  | 1 096.4    | 1 122.5           | 841.3             | 1 286.0          | 997.4     | 990.0      | 397.2      | 249.3            | 1 041.4     |
| 2006-07  | 1 124.4    | 1 165.9           | 887.6             | 1 314.7          | 993.9     | 1 012.8    | 372.7      | 260.6            | 1 073.4     |

**FTE** = full time equivalent.

- (a) Human resource data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.
- (b) Population data used to derive rates are as at 31 December. Estimated Resident Population (ERP) data for 2004 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.
- (c) Jurisdiction notes:

**Vic:** Numbers for Volunteer fire fighters include volunteer support staff.

In 2012-13, the former Department of Environment and Primary Industries (DEPI) engaged a large number of firefighters from Parks Victoria, and from interstate and overseas to manage significant campaign fires.

In 2007-08, the former Department of Sustainability & Environment figures have been derived from 2006-07 figures, due to data quality issues.

From 2005-06, data includes Victoria's land management agency, the former Department of Sustainability & Environment.

**Qld:** Firefighting personnel include senior fire officers, Assistant Commissioners, Deputy Commissioners and the Commissioner. Volunteer firefighter data for Queensland includes all recorded members of Rural Fire Brigades, including those fulfilling operational and support roles. Auxiliary firefighters (part-time) are included as 0.1 FTE each.

Volunteer firefighter data for Queensland includes all recorded members of Rural Fire Brigades, including those fulfilling operational and support roles.



Table 9A.24 **Firefighter workforce per 100 000 people (a), (b)**

|  | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|--|------------|------------|------------|-----------|-----------|------------|------------|-----------|-------------|
|  |            | (c)        | (c)        | (c)       |           |            |            | (c)       |             |

WA: Volunteer firefighter data include volunteers from local government bush fire brigades, Volunteer Fire and Rescue brigades, Volunteer Fire Services and multi-skilled Volunteer Emergency Services. Data for the Department of Parks and Wildlife are not included.

NT: Numbers reflect NT Fire and Rescue Service and Bushfires NT uniformed, non-uniformed and volunteers. In 2012-13 Bushfires NT conducted an audit of volunteer personnel and identified a number of persons who act in voluntary support roles who were previously counted as volunteer firefighters. In 2013-14 NT Fire and Rescue Service did not distinguish between volunteer firefighters and volunteer fire support staff therefore all volunteers have been shown as firefighters.

*Source*: State and Territory governments (unpublished).

Table 9A.25 **Number of structure fires, by remoteness area (a)**

|                       | <i>NSW</i> | <i>Vic</i><br>(b) | <i>Qld</i><br>(b) | <i>WA</i><br>(b) | <i>SA</i><br>(b) | <i>Tas</i><br>(b) | <i>ACT</i> | <i>NT</i> |
|-----------------------|------------|-------------------|-------------------|------------------|------------------|-------------------|------------|-----------|
| <b>Statewide</b>      |            |                   |                   |                  |                  |                   |            |           |
| 2015-16               | 5 770      | 5 480             | 2 412             | 1 097            | 1 616            | 481               | 238        | 166       |
| 2014-15               | 5 733      | 5 623             | 2 366             | 1 097            | 1 502            | 553               | 240        | 201       |
| 2013-14               | 5 870      | 5 737             | 2 366             | 1 096            | 1 475            | 631               | 239        | 136       |
| 2012-13               | 5 874      | 5 940             | 2 613             | 1 191            | 1 540            | 676               | 228        | 160       |
| 2011-12               | 5 808      | 6 036             | 2 661             | 1 135            | 1 494            | 645               | 265        | 175       |
| 2010-11               | 5 924      | 5 799             | 2 491             | 1 279            | 1 331            | 663               | 245        | 136       |
| 2009-10               | 6 346      | 5 969             | 2 197             | 1 268            | 1 342            | 694               | 246        | 114       |
| 2008-09               | 6 589      | 5 525             | 2 380             | 1 410            | 1 394            | 805               | 263        | 172       |
| 2007-08               | 6 862      | 6 051             | 2 573             | 1 380            | 1 353            | 639               | 246        | 170       |
| 2006-07               | 6 683      | 6 039             | 2 415             | 1 288            | 1 349            | 708               | 278        | 146       |
| <b>Major cities</b>   |            |                   |                   |                  |                  |                   |            |           |
| 2015-16               | 3 360      | 4 081             | 1 573             | 754              | 1 079            | ..                | 238        | ..        |
| 2014-15               | 3 628      | 4 021             | 1 568             | 791              | 1 037            | ..                | 240        | ..        |
| 2013-14               | 4 119      | 4 269             | 1 555             | 832              | 1 049            | ..                | 239        | ..        |
| 2012-13               | 4 073      | 4 524             | 1 710             | 891              | 1 115            | ..                | 228        | ..        |
| 2011-12               | 4 058      | 4 423             | 1 756             | 848              | 1 064            | ..                | 265        | ..        |
| 2010-11               | 4 187      | 4 265             | 1 811             | 1 007            | 906              | ..                | 245        | ..        |
| 2009-10               | 4 539      | 4 430             | 1 391             | 957              | 932              | ..                | 246        | ..        |
| 2008-09               | 4 637      | 3 927             | 1 263             | 1 061            | 965              | ..                | 263        | ..        |
| 2007-08               | 4 724      | 4 549             | 1 318             | 1 064            | 939              | ..                | 246        | ..        |
| 2006-07               | 4 294      | 4 491             | 1 209             | 1 007            | 905              | ..                | 278        | ..        |
| <b>Inner regional</b> |            |                   |                   |                  |                  |                   |            |           |
| 2015-16               | 1 077      | 1 133             | 431               | 166              | 253              | 234               | ..         | ..        |
| 2014-15               | 1 044      | 1 117             | 385               | 153              | 154              | 356               | ..         | ..        |
| 2013-14               | 1 200      | 1 155             | 405               | 137              | 152              | 401               | ..         | ..        |
| 2012-13               | 1 205      | 1 143             | 440               | 159              | 168              | 440               | ..         | ..        |

Table 9A.25 Number of structure fires, by remoteness area (a)

|                       | <i>NSW</i> | <i>Vic</i><br>(b) | <i>Qld</i><br>(b) | <i>WA</i><br>(b) | <i>SA</i><br>(b) | <i>Tas</i><br>(b) | <i>ACT</i> | <i>NT</i> |
|-----------------------|------------|-------------------|-------------------|------------------|------------------|-------------------|------------|-----------|
| 2011-12               | 1 229      | 1 306             | 434               | 150              | 145              | 418               | ..         | ..        |
| 2010-11               | 1 197      | 1 212             | 272               | 147              | 171              | 451               | ..         | ..        |
| 2009-10               | 1 260      | 1 212             | 445               | 122              | 190              | 448               | ..         | ..        |
| 2008-09               | 1 373      | 1 266             | 695               | 160              | 212              | 515               | ..         | ..        |
| 2007-08               | 1 510      | 1 172             | 732               | 157              | 169              | 408               | ..         | ..        |
| 2006-07               | 1 321      | 1 213             | 591               | 136              | 194              | 470               | ..         | ..        |
| <b>Outer regional</b> |            |                   |                   |                  |                  |                   |            |           |
| 2015-16               | 1 133      | 256               | 355               | 111              | 234              | 170               | ..         | 97        |
| 2014-15               | 902        | 275               | 348               | 94               | 244              | 187               | ..         | 24        |
| 2013-14               | 463        | 309               | 338               | 84               | 213              | 210               | ..         | 77        |
| 2012-13               | 492        | 273               | 387               | 84               | 209              | 227               | ..         | 84        |
| 2011-12               | 451        | 307               | 374               | 95               | 234              | 205               | ..         | 106       |
| 2010-11               | 469        | 322               | 388               | 82               | 196              | 187               | ..         | 91        |
| 2009-10               | 483        | 327               | 290               | 118              | 175              | 222               | ..         | 66        |
| 2008-09               | 500        | 332               | 430               | 113              | 161              | 269               | ..         | 107       |
| 2007-08               | 545        | 330               | 416               | 99               | 198              | 215               | ..         | 90        |
| 2006-07               | 849        | 335               | 415               | 95               | 201              | 218               | ..         | 96        |
| <b>Remote</b>         |            |                   |                   |                  |                  |                   |            |           |
| 2015-16               | 127        | 10                | 31                | 50               | 30               | 17                | ..         | 47        |
| 2014-15               | 100        | 4                 | 33                | 44               | 38               | 10                | ..         | 32        |
| 2013-14               | 65         | 4                 | 39                | 38               | 40               | 20                | ..         | 42        |
| 2012-13               | 54         | np                | 52                | 39               | 41               | 7                 | ..         | 52        |
| 2011-12               | 70         | np                | 55                | 27               | 36               | 22                | ..         | 44        |
| 2010-11               | 69         | np                | 9                 | 30               | 38               | 21                | ..         | 29        |
| 2009-10               | 61         | np                | 54                | 55               | 32               | 24                | ..         | 33        |
| 2008-09               | 76         | np                | 72                | 47               | 45               | 19                | ..         | 52        |
| 2007-08               | 78         | np                | 85                | 42               | 37               | 16                | ..         | 55        |

Table 9A.25 **Number of structure fires, by remoteness area (a)**

|                    | <i>NSW</i> | <i>Vic</i><br>(b) | <i>Qld</i><br>(b) | <i>WA</i><br>(b) | <i>SA</i><br>(b) | <i>Tas</i><br>(b) | <i>ACT</i> | <i>NT</i> |
|--------------------|------------|-------------------|-------------------|------------------|------------------|-------------------|------------|-----------|
| 2006-07            | 173        | np                | 129               | 32               | 37               | 17                | ..         | 37        |
| <b>Very remote</b> |            |                   |                   |                  |                  |                   |            |           |
| 2015-16            | 73         | ..                | 22                | 16               | 20               | na                | ..         | 22        |
| 2014-15            | 59         | ..                | 30                | 15               | 29               | na                | ..         | 22        |
| 2013-14            | 23         | ..                | 29                | 5                | 20               | –                 | ..         | 17        |
| 2012-13            | 50         | ..                | 24                | 18               | 7                | 2                 | ..         | 24        |
| 2011-12            | na         | ..                | 23                | 15               | 15               | –                 | ..         | 25        |
| 2010-11            | 2          | ..                | –                 | 13               | 20               | 4                 | ..         | 16        |
| 2009-10            | 3          | ..                | 15                | 16               | 13               | 2                 | ..         | 15        |
| 2008-09            | 3          | ..                | 21                | 29               | 11               | 3                 | ..         | 13        |
| 2007-08            | 5          | ..                | 22                | 18               | 10               | –                 | ..         | 25        |
| 2006-07            | 46         | ..                | 71                | 18               | 12               | 3                 | ..         | 13        |

(a) Remoteness areas are classified according to the Australian Statistical Geography Standard (ASGS) (ABS cat. no. 1216.0). For Victoria, there are no very remote areas. For Tasmania, there are no major city areas (Hobart and Launceston are classified as inner regional areas). For the ACT, all areas are categorised as major city areas for this report. For the NT, there are no major city areas or inner regional areas (Darwin is classified as an outer regional area).

(b) Jurisdiction notes:

**Vic:** Prior to 2014-15, remote structure fires data were rolled into the Outer regional classification due to the low number of events. There are no Very remote areas in Victoria.

**Qld:** Structure fires within the Urban Service Administrative Areas (Levy District Boundaries A-D) are included. Excluded are non-emergency calls and those where Queensland Fire and Emergency Services experienced delays due to either extreme weather conditions or where the initial response was by another agency or brigade. Only primary exposure incidents are included. Incidents that could not be identified by remoteness category have been included in the statewide calculations only.

**WA:** Data include both career and volunteer responses where response was provided under emergency conditions (lights and sirens).

**SA:** Excludes response times of 12 hours or more.

**Tas:** Due to industrial action 90 incident reports are incomplete in 2008-09. Due to industrial action 306 incident reports are incomplete in 2014-15.

**na** Not available. **..** Not applicable. **–** Nil or rounded to zero. **np** Not published.

**Source:** State and Territory governments (unpublished).

Table 9A.26 **Structure fire response times to structure fires, including call taking time, by remoteness area (a), (b), (c)**

|                        |      | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|------------------------|------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|-----------|------------|------------|-----------|
|                        |      |            | (d)        | (d)        | (d)       | (d)       | (d)        |            | (d)       |            | (d)        | (d)        | (d)       | (d)       | (d)        |            | (d)       |
| <b>Statewide</b>       |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| Structure fires        |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | no.  | 5 770      | 5 480      | 2 412      | 1 097     | 1 616     | 481        | 238        | 166       | ..         | ..         | ..         | ..        | ..        | ..         | ..         | ..        |
| Response times         |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| <b>50th percentile</b> |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | min. | 7.7        | 6.8        | 8.1        | 8.6       | 8.0       | 9.1        | 6.7        | 8.3       | 14.4       | 10.6       | 12.2       | 15.7      | 12.9      | 17.2       | 10.2       | 15.8      |
| 2014-15                | min. | 7.4        | 6.8        | 7.7        | 8.7       | 7.5       | 9.3        | 7.0        | 11.4      | 14.1       | 10.9       | 12.3       | 15.2      | 11.7      | 17.7       | 11.0       | 23.2      |
| 2013-14                | min. | 7.5        | 6.8        | 7.6        | 8.5       | na        | 8.6        | 7.2        | 7.6       | 15.4       | 10.9       | 12.4       | 14.1      | na        | 19.6       | 10.4       | 18.0      |
| 2012-13                | min. | 7.9        | 6.7        | 7.4        | 8.6       | na        | 8.6        | 6.9        | 7.6       | 15.0       | 10.6       | 11.9       | 15.6      | na        | 18.4       | 10.5       | 18.4      |
| 2011-12                | min. | 8.2        | 6.8        | 7.3        | 8.6       | na        | 8.3        | 7.6        | 7.3       | 15.0       | 10.6       | 11.3       | 14.5      | na        | 16.7       | 11.6       | 16.8      |
| 2010-11                | min. | 8.0        | 6.8        | 7.4        | 8.3       | na        | 8.5        | 7.4        | 7.3       | 14.0       | 11.0       | 12.2       | 14.6      | na        | 16.9       | 10.7       | 15.0      |
| 2009-10                | min. | 8.0        | 6.9        | 7.9        | 8.3       | na        | 7.9        | 7.0        | 6.4       | 13.6       | 10.7       | 12.4       | 15.9      | na        | 15.0       | 11.3       | 11.3      |
| 2008-09                | min. | 7.4        | 7.0        | 7.6        | 8.4       | na        | 8.2        | 7.1        | 6.3       | 12.0       | 11.0       | 12.3       | 15.4      | na        | 16.0       | 10.7       | 12.9      |
| <b>Major cities</b>    |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| Structure fires        |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | no.  | 3 360      | 4 081      | 1 573      | 754       | 1 079     | ..         | 238        | ..        | ..         | ..         | ..         | ..        | ..        | ..         | ..         | ..        |
| Response times         |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| <b>50th percentile</b> |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | min. | 6.8        | 6.4        | 7.9        | 8.0       | 7.7       | ..         | 6.7        | ..        | 10.4       | 9.1        | 11.5       | 11.6      | 10.8      | ..         | 10.2       | ..        |
| 2014-15                | min. | 6.5        | 6.4        | 7.4        | 8.1       | 7.2       | ..         | 7.0        | ..        | 10.6       | 9.1        | 11.5       | 11.5      | 9.9       | ..         | 11.0       | ..        |
| 2013-14                | min. | 7.1        | 6.4        | 7.4        | 8.1       | na        | ..         | 7.2        | ..        | 11.4       | 9.0        | 11.4       | 11.3      | na        | ..         | 10.4       | ..        |
| 2012-13                | min. | 7.2        | 6.4        | 7.3        | 7.9       | na        | ..         | 6.9        | ..        | 11.6       | 9.1        | 10.9       | 11.5      | na        | ..         | 10.5       | ..        |
| 2011-12                | min. | 7.5        | 6.4        | 7.2        | 8.0       | na        | ..         | 7.6        | ..        | 11.5       | 9.0        | 10.5       | 11.6      | na        | ..         | 11.6       | ..        |
| 2010-11                | min. | 7.4        | 6.4        | 7.3        | 7.9       | na        | ..         | 7.4        | ..        | 11.5       | 9.0        | 12.1       | 11.3      | na        | ..         | 10.7       | ..        |
| 2009-10                | min. | 7.4        | 6.6        | 7.6        | 7.8       | na        | ..         | 7.0        | ..        | 11.2       | 9.2        | 11.6       | 11.6      | na        | ..         | 11.3       | ..        |
| 2008-09                | min. | 7.1        | 6.6        | 7.2        | 8.0       | na        | ..         | 7.1        | ..        | 10.6       | 9.3        | 11.3       | 11.6      | na        | ..         | 10.7       | ..        |

Table 9A.26 **Structure fire response times to structure fires, including call taking time, by remoteness area (a), (b), (c)**

|                        |      | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>NSW</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> |
|------------------------|------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|-----------|------------|------------|-----------|
|                        |      |            | (d)        | (d)        | (d)       | (d)       | (d)        |            | (d)       |            | (d)        | (d)        | (d)       | (d)       | (d)        |            | (d)       |
| <b>Inner regional</b>  |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| Structure fires        |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | no.  | 1 077      | 1 133      | 431        | 166       | 253       | 234        | ..         | ..        | ..         | ..         | ..         | ..        | ..        | ..         | ..         | ..        |
| Response times         |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| <b>50th percentile</b> |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | min. | 9.8        | 8.5        | 8.2        | 11.3      | 12.9      | 8.5        | ..         | ..        | 18.0       | 14.5       | 14.5       | 20.8      | 18.5      | 13.6       | ..         | ..        |
| 2014-15                | min. | 9.6        | 8.5        | 7.8        | 12.0      | 11.3      | 8.3        | ..         | ..        | 21.0       | 14.2       | 12.6       | 21.8      | 16.3      | 14.4       | ..         | ..        |
| 2013-14                | min. | 10.4       | 8.7        | 7.9        | 11.3      | na        | 7.8        | ..         | ..        | 22.2       | 14.9       | 12.9       | 20.5      | na        | 13.8       | ..         | ..        |
| 2012-13                | min. | 10.4       | 8.2        | 7.3        | 13.3      | na        | 7.8        | ..         | ..        | 21.2       | 14.8       | 13.0       | 24.1      | na        | 14.2       | ..         | ..        |
| 2011-12                | min. | 10.6       | 8.6        | 7.6        | 12.9      | na        | 7.5        | ..         | ..        | 22.0       | 14.0       | 12.1       | 22.4      | na        | 12.2       | ..         | ..        |
| 2010-11                | min. | 10.2       | 8.6        | 7.1        | 12.6      | na        | 7.8        | ..         | ..        | 19.0       | 15.2       | 11.9       | 24.3      | na        | 13.0       | ..         | ..        |
| 2009-10                | min. | 10.3       | 8.6        | 8.5        | 12.9      | na        | 7.3        | ..         | ..        | 18.9       | 14.2       | 13.5       | 24.7      | na        | 11.5       | ..         | ..        |
| 2008-09                | min. | 9.3        | 8.3        | 7.6        | 12.8      | na        | 7.5        | ..         | ..        | 14.4       | 14.5       | 12.3       | 23.7      | na        | 11.6       | ..         | ..        |
| <b>Outer regional</b>  |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| Structure fires        |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | no.  | 1 133      | 256        | 355        | 111       | 234       | 170        | ..         | 97        | ..         | ..         | ..         | ..        | ..        | ..         | ..         | ..        |
| Response times         |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| <b>50th percentile</b> |      |            |            |            |           |           |            |            |           |            |            |            |           |           |            |            |           |
| 2015-16                | min. | 10.1       | 10.1       | 8.6        | 10.2      | 12.3      | 11.2       | ..         | 11.5      | 21.0       | 19.4       | 13.8       | 25.9      | 19.1      | 22.1       | ..         | 17.8      |
| 2014-15                | min. | 9.5        | 10.3       | 9.0        | 11.9      | 11.3      | 11.7       | ..         | 11.1      | 15.5       | 19.3       | 15.1       | 28.9      | 16.8      | 23.0       | ..         | 20.2      |
| 2013-14                | min. | 10.5       | 9.3        | 8.8        | 10.1      | na        | 11.7       | ..         | 7.4       | 25.6       | 19.6       | 14.2       | 21.5      | na        | 24.6       | ..         | 13.8      |
| 2012-13                | min. | 11.0       | 9.5        | 8.2        | 9.8       | na        | 10.9       | ..         | 7.2       | 27.0       | 21.3       | 13.6       | 28.5      | na        | 21.7       | ..         | 12.7      |
| 2011-12                | min. | 11.0       | 9.4        | 8.2        | 9.9       | na        | 10.6       | ..         | 7.2       | 25.7       | 18.9       | 12.6       | 23.9      | na        | 20.7       | ..         | 14.4      |
| 2010-11                | min. | 10.4       | 9.5        | 7.3        | 9.4       | na        | 10.3       | ..         | 6.7       | 22.0       | 20.7       | 12.3       | 22.4      | na        | 22.7       | ..         | 10.3      |
| 2009-10                | min. | 10.1       | 9.0        | 8.6        | 11.3      | na        | 9.9        | ..         | 6.4       | 21.0       | 18.3       | 14.2       | 27.2      | na        | 22.2       | ..         | 10.4      |
| 2008-09                | min. | 9.4        | 8.8        | 9.4        | 10.3      | na        | 11.0       | ..         | 6.7       | 15.3       | 17.9       | 22.0       | 21.5      | na        | 22.8       | ..         | 13.8      |

Table 9A.26 **Structure fire response times to structure fires, including call taking time, by remoteness area (a), (b), (c)**

|                        |      | NSW  | Vic  | Qld  | WA   | SA   | Tas  | ACT | NT   | NSW  | Vic  | Qld  | WA   | SA   | Tas  | ACT | NT   |
|------------------------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|-----|------|
|                        |      |      | (d)  | (d)  | (d)  | (d)  | (d)  |     | (d)  |      | (d)  | (d)  | (d)  | (d)  | (d)  |     | (d)  |
| <b>Remote</b>          |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| Structure fires        |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| 2015-16                | no.  | 127  | 10   | 31   | 50   | 30   | 17   | ..  | 47   | ..   | ..   | ..   | ..   | ..   | ..   | ..  | ..   |
| Response times         |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| <b>50th percentile</b> |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| 2015-16                | min. | 10.0 | 16.1 | 7.8  | 15.7 | 14.0 | 8.1  | ..  | 12.5 | 22.8 | 25.4 | 16.0 | 27.2 | na   | 13.2 | ..  | 18.5 |
| 2014-15                | min. | 10.2 | 17.4 | 9.7  | 15.8 | 11.9 | 11.7 | ..  | 12.2 | 18.5 | 29.9 | 18.7 | 27.8 | 15.9 | 33.2 | ..  | 21.5 |
| 2013-14                | min. | 10.0 | np   | 10.4 | 13.8 | na   | 9.3  | ..  | 7.5  | 21.2 | np   | 23.4 | 26.3 | na   | 26.3 | ..  | 13.3 |
| 2012-13                | min. | 10.1 | np   | 7.3  | 16.1 | na   | 12.3 | ..  | 7.7  | 15.0 | np   | 17.7 | 29.7 | na   | 22.2 | ..  | 14.5 |
| 2011-12                | min. | 11.0 | np   | 7.6  | 14.3 | na   | 10.9 | ..  | 6.5  | 27.5 | np   | 15.7 | 76.0 | na   | 21.9 | ..  | 12.3 |
| 2010-11                | min. | 8.6  | np   | 8.5  | 15.7 | na   | 12.8 | ..  | 7.3  | 21.2 | np   | 11.9 | 23.4 | na   | 22.7 | ..  | 16.8 |
| 2009-10                | min. | 9.6  | np   | 8.0  | 14.3 | na   | 11.4 | ..  | 7.1  | 20.3 | np   | 17.5 | 27.2 | na   | 22.8 | ..  | 11.3 |
| 2008-09                | min. | 8.1  | np   | 7.8  | 14.7 | na   | 15.5 | ..  | 5.6  | 11.4 | np   | 28.5 | 33.7 | na   | 38.7 | ..  | 11.9 |
| <b>Very remote</b>     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| Structure fires        |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| 2015-16                | no.  | 73   | ..   | 22   | 16   | 20   | na   | ..  | 22   | ..   | ..   | ..   | ..   | ..   | ..   | ..  | ..   |
| Response times         |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| <b>50th percentile</b> |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |
| 2015-16                | min. | 7.7  | ..   | 8.4  | 16.7 | na   | na   | ..  | 18.7 | 19.5 | ..   | 16.1 | 58.3 | na   | na   | ..  | 30.1 |
| 2014-15                | min. | 8.3  | ..   | 9.3  | 16.4 | na   | na   | ..  | 16.8 | 14.0 | ..   | 15.6 | 42.9 | na   | na   | ..  | 46.0 |
| 2013-14                | min. | 11.2 | ..   | 9.7  | 11.3 | na   | na   | ..  | 9.4  | 44.5 | ..   | 21.4 | 20.7 | na   | na   | ..  | 26.6 |
| 2012-13                | min. | 9.2  | ..   | 9.5  | 12.9 | na   | 18.6 | ..  | 19.4 | 20.0 | ..   | 21.4 | 48.3 | na   | 30.8 | ..  | 53.7 |
| 2011-12                | min. | na   | ..   | 8.5  | 13.6 | na   | na   | ..  | 10.8 | na   | ..   | 17.3 | 41.4 | na   | na   | ..  | 75.8 |
| 2010-11                | min. | 16.0 | ..   | na   | 14.4 | na   | 13.5 | ..  | 10.8 | 18.0 | ..   | na   | 94.8 | na   | 17.1 | ..  | 36.1 |
| 2009-10                | min. | 18.0 | ..   | 10.6 | 12.4 | na   | na   | ..  | 6.0  | 22.0 | ..   | 14.9 | 59.2 | na   | na   | ..  | 18.0 |
| 2008-09                | min. | 5.0  | ..   | 12.6 | 9.8  | na   | 6.4  | ..  | 5.7  | 9.0  | ..   | 24.0 | 23.2 | na   | 7.3  | ..  | 9.1  |

Table 9A.26 **Structure fire response times to structure fires, including call taking time, by remoteness area (a), (b), (c)**

|  | NSW | Vic | Qld | WA  | SA  | Tas | ACT | NT  | NSW | Vic | Qld | WA  | SA  | Tas | ACT | NT  |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |     | (d) | (d) | (d) | (d) | (d) |     | (d) |     | (d) | (d) | (d) | (d) | (d) |     | (d) |

(a) Remoteness areas are classified according to the Australian Statistical Geography Standard (ASGS) (ABS cat. no. 1216.0). For Victoria, there are no very remote areas. For Tasmania, there are no major city areas (Hobart and Launceston are classified as inner regional areas). For the ACT, all areas are categorised as major city areas for this report. For the NT, there are no major city areas or inner regional areas (Darwin is classified as an outer regional area).

(b) Jurisdictions provide data where response was provided under emergency conditions (lights and sirens). Data are for both urban and rural services (including land management agencies) and for both career and volunteer services, unless otherwise stated — see footnote d for caveats. Data in this table are not directly comparable.

(c) Response times for major cities, regional and remote areas are impacted by a range of factors including geography and personnel mix (including the use of volunteers), which can significantly affect travel time to incidents, particularly in remote areas.

(d) Jurisdiction notes:

Vic: Prior to 2014-15, remote structure fires data were rolled into the Outer regional classification due to the low number of events. There are no Very remote areas in Victoria.

Qld: Structure fires within the Urban Service Administrative Areas (Levy District Boundaries A-D) are included. Excluded are non-emergency calls and those where Queensland Fire and Emergency Services experienced delays due to either extreme weather conditions or where the initial response was by another agency or brigade. Only primary exposure incidents are included. Incidents that could not be identified by remoteness category have been included in the statewide calculations only.

WA: Data include both career and volunteer responses where response was provided under emergency conditions (lights and sirens). 84 incidents where response time information is incomplete are excluded from response time calculations. Response time for major cities, regional and remote areas are impacted by volunteer data that, particularly in remote areas of the state are affected by significant travel time to incidents.

SA: Data including call taking time prior to 2014-15 are not available.

Tas: Due to industrial action 90 incident reports are incomplete in 2008-09. Due to industrial action 306 incident reports are incomplete in 2014-15.

NT: Inconsistencies in data input in previous reporting periods for Northern Territory Fire and Rescue Service resulted in significant increases in the times reported for responses to structure fires by remoteness of area (90th percentile). Changes to the data reporting and inputting processes has seen this issue rectified.

**na** Not available. **..** Not applicable. **np** Not published.

Source: State and Territory governments (unpublished); ABS (unpublished), *Australian Demographic Statistics*, Cat. no. 3101.0 (table 2A.2).



Table 9A.27 **Structure fire response times to structure fires, excluding call taking time, by remoteness area (a), (b), (c)**

|                        |      | NSW   | Vic   | Qld   | WA    | SA    | Tas | ACT | NT  | NSW  | Vic | Qld  | WA   | SA   | Tas  | ACT | NT   |
|------------------------|------|-------|-------|-------|-------|-------|-----|-----|-----|------|-----|------|------|------|------|-----|------|
|                        |      | (d)   | (d)   | (d)   | (d)   | (d)   | (d) |     | (d) | (d)  | (d) | (d)  | (d)  | (d)  |      |     | (d)  |
| <b>Statewide</b>       |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| Structure fires        |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| 2015-16                | no.  | 5 770 | 5 480 | 2 412 | 1 097 | 1 616 | 481 | 238 | 166 | ..   | ..  | ..   | ..   | ..   | ..   | ..  | ..   |
| Response times         |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| <i>50th percentile</i> |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| 2015-16                | min. | 7.2   | 6.0   | 7.4   | 7.5   | 7.6   | 8.0 | 5.5 | 7.5 | 12.2 | 9.8 | 11.6 | 14.2 | 14.0 | 16.3 | 9.0 | 13.6 |
| 2014-15                | min. | 7.2   | 5.8   | 7.1   | 7.7   | 7.0   | 8.1 | 5.6 | 8.3 | 13.2 | 9.5 | 11.6 | 13.6 | 14.0 | 16.3 | 9.0 | 15.1 |
| 2013-14                | min. | 7.4   | 5.8   | 7.1   | 7.5   | 7.0   | 7.6 | 5.8 | 4.6 | 14.4 | 9.5 | 11.5 | 12.8 | 14.0 | 17.9 | 8.9 | 10.8 |
| 2012-13                | min. | 7.5   | 5.6   | 6.9   | 7.6   | 7.8   | 7.7 | 5.4 | na  | 14.0 | 9.2 | 11.3 | 14.2 | 14.6 | 16.8 | 8.9 | 13.5 |
| 2011-12                | min. | 7.3   | 5.7   | 6.8   | 7.6   | 7.0   | 7.4 | 5.7 | 5.3 | 13.5 | 9.2 | 10.7 | 13.5 | 13.2 | 15.5 | 9.2 | 11.5 |
| 2010-11                | min. | 7.1   | 5.7   | 6.7   | 7.2   | 7.0   | 7.6 | 6.0 | 5.5 | 12.6 | 9.6 | 11.1 | 13.0 | 13.0 | 15.4 | 9.1 | 11.1 |
| 2009-10                | min. | na    | 5.8   | na    | 7.3   | 7.0   | 7.0 | 5.7 | 5.9 | na   | 9.2 | na   | 14.4 | 13.0 | 13.5 | 9.7 | 10.7 |
| 2008-09                | min. | na    | 5.8   | na    | 7.3   | 6.9   | 7.2 | 5.7 | 5.5 | na   | 9.5 | na   | 14.0 | 13.0 | 14.9 | 8.9 | 9.4  |
| <b>Major cities</b>    |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| Structure fires        |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| 2015-16                | no.  | 3 360 | 4 081 | 1 573 | 754   | 1 079 | ..  | 238 | ..  | ..   | ..  | ..   | ..   | ..   | ..   | ..  | ..   |
| Response times         |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| <i>50th percentile</i> |      |       |       |       |       |       |     |     |     |      |     |      |      |      |      |     |      |
| 2015-16                | min. | 6.5   | 5.6   | 7.3   | 6.9   | 6.9   | ..  | 5.5 | ..  | 10.0 | 8.2 | 10.8 | 10.4 | 10.2 | ..   | 9.0 | ..   |
| 2014-15                | min. | 6.4   | 5.4   | 6.8   | 6.9   | 6.5   | ..  | 5.6 | ..  | 10.3 | 7.9 | 10.9 | 10.3 | 9.2  | ..   | 9.0 | ..   |
| 2013-14                | min. | 6.6   | 5.4   | 6.7   | 7.1   | 6.4   | ..  | 5.8 | ..  | 11.1 | 7.8 | 10.8 | 10.2 | 9.3  | ..   | 8.9 | ..   |
| 2012-13                | min. | 6.9   | 5.3   | 6.7   | 6.9   | 7.1   | ..  | 5.4 | ..  | 11.1 | 7.8 | 10.4 | 10.4 | 10.7 | ..   | 8.9 | ..   |
| 2011-12                | min. | 6.7   | 5.4   | 6.7   | 7.0   | 6.3   | ..  | 5.7 | ..  | 10.4 | 7.7 | 10.0 | 10.5 | 10.2 | ..   | 9.2 | ..   |
| 2010-11                | min. | 6.6   | 5.4   | 6.8   | 6.8   | 6.4   | ..  | 6.0 | ..  | 10.5 | 7.7 | 11.1 | 10.3 | 9.7  | ..   | 9.1 | ..   |
| 2009-10                | min. | na    | 5.5   | na    | 6.7   | 6.3   | ..  | 5.7 | ..  | na   | 7.9 | na   | 10.4 | 9.5  | ..   | 9.7 | ..   |
| 2008-09                | min. | na    | 5.5   | na    | 6.9   | 6.2   | ..  | 5.7 | ..  | na   | 7.9 | na   | 10.7 | 9.7  | ..   | 8.9 | ..   |

Table 9A.27 **Structure fire response times to structure fires, excluding call taking time, by remoteness area (a), (b), (c)**

|                        |      | NSW   | Vic   | Qld | WA   | SA   | Tas  | ACT | NT                     | NSW  | Vic  | Qld  | WA   | SA   | Tas  | ACT | NT   |
|------------------------|------|-------|-------|-----|------|------|------|-----|------------------------|------|------|------|------|------|------|-----|------|
|                        |      | (d)   | (d)   | (d) | (d)  | (d)  | (d)  |     | (d)                    | (d)  | (d)  | (d)  | (d)  | (d)  |      |     | (d)  |
| <b>Inner regional</b>  |      |       |       |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |
| Structure fires        |      |       |       |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |
| 2015-16                | no.  | 1 077 | 1 133 | 431 | 166  | 253  | 234  | ..  | ..                     | ..   | ..   | ..   | ..   | ..   | ..   | ..  | ..   |
| Response times         |      |       |       |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |
| <b>50th percentile</b> |      |       |       |     |      |      |      |     | <b>90th percentile</b> |      |      |      |      |      |      |     |      |
| 2015-16                | min. | 8.6   | 7.8   | 7.6 | 9.7  | 12.0 | 7.4  | ..  | ..                     | 14.0 | 13.7 | 13.3 | 18.4 | 23.0 | 12.4 | ..  | ..   |
| 2014-15                | min. | 9.4   | 7.2   | 7.2 | 10.6 | 11.0 | 7.4  | ..  | ..                     | 19.0 | 12.6 | 11.9 | 19.1 | 19.1 | 13.2 | ..  | ..   |
| 2013-14                | min. | 10.0  | 7.3   | 7.4 | 10.4 | 12.0 | 6.6  | ..  | ..                     | 20.5 | 13.3 | 12.4 | 17.7 | 21.0 | 12.1 | ..  | ..   |
| 2012-13                | min. | 10.0  | 6.9   | 6.9 | 11.9 | 11.1 | 6.7  | ..  | ..                     | 20.0 | 13.2 | 12.6 | 21.3 | 19.0 | 12.7 | ..  | ..   |
| 2011-12                | min. | 9.6   | 7.3   | 6.9 | 11.5 | 11.0 | 6.5  | ..  | ..                     | 20.0 | 12.6 | 11.7 | 22.1 | 21.0 | 10.7 | ..  | ..   |
| 2010-11                | min. | 9.2   | 7.3   | 6.4 | 11.1 | 10.0 | 6.8  | ..  | ..                     | 17.0 | 13.7 | 10.7 | 22.0 | 17.0 | 11.4 | ..  | ..   |
| 2009-10                | min. | na    | 7.2   | na  | 11.0 | 10.0 | 6.2  | ..  | ..                     | na   | 12.7 | na   | 23.0 | 16.0 | 10.0 | ..  | ..   |
| 2008-09                | min. | na    | 6.8   | na  | 10.6 | 9.0  | 6.4  | ..  | ..                     | na   | 13.2 | na   | 21.3 | 15.0 | 10.3 | ..  | ..   |
| <b>Outer regional</b>  |      |       |       |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |
| Structure fires        |      |       |       |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |
| 2015-16                | no.  | 1 133 | 256   | 355 | 111  | 234  | 170  | ..  | 97                     | ..   | ..   | ..   | ..   | ..   | ..   | ..  | ..   |
| Response times         |      |       |       |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |
| <b>50th percentile</b> |      |       |       |     |      |      |      |     | <b>90th percentile</b> |      |      |      |      |      |      |     |      |
| 2015-16                | min. | 9.0   | 9.1   | 8.0 | 9.0  | 12.0 | 10.2 | ..  | 7.2                    | 14.7 | 18.7 | 13.5 | 22.8 | 25.2 | 20.5 | ..  | 12.4 |
| 2014-15                | min. | 9.2   | 8.9   | 8.4 | 10.7 | 11.3 | 10.6 | ..  | 5.8                    | 15.0 | 17.9 | 14.2 | 26.1 | 19.0 | 21.8 | ..  | 20.2 |
| 2013-14                | min. | 10.2  | 8.2   | 8.2 | 8.9  | 11.1 | 10.6 | ..  | 4.9                    | 24.5 | 18.5 | 13.6 | 18.7 | 20.8 | 22.8 | ..  | 9.5  |
| 2012-13                | min. | 10.0  | 8.2   | 7.6 | 8.7  | 12.1 | 9.8  | ..  | 4.6                    | 25.0 | 19.8 | 12.7 | 23.3 | 19.9 | 20.2 | ..  | 9.7  |
| 2011-12                | min. | 10.1  | 8.0   | 7.6 | 9.2  | 10.0 | 9.8  | ..  | 5.6                    | 24.0 | 16.5 | 12.0 | 22.7 | 19.5 | 18.9 | ..  | 11.3 |
| 2010-11                | min. | 9.1   | 8.0   | 6.4 | 8.2  | 10.0 | 9.3  | ..  | 5.5                    | 20.0 | 19.7 | 11.5 | 22.1 | 19.0 | 22.2 | ..  | 9.5  |
| 2009-10                | min. | na    | 7.5   | na  | 10.2 | 10.0 | 8.9  | ..  | 6.1                    | na   | 16.2 | na   | 26.2 | 18.4 | 21.0 | ..  | 9.0  |
| 2008-09                | min. | na    | 7.4   | na  | 8.8  | 10.0 | 9.7  | ..  | 5.6                    | na   | 16.7 | na   | 20.3 | 17.0 | 20.8 | ..  | 9.4  |

TABLE 9A.27

Table 9A.27 **Structure fire response times to structure fires, excluding call taking time, by remoteness area (a), (b), (c)**

|                    |      | NSW  | Vic  | Qld | WA   | SA   | Tas  | ACT | NT                     | NSW  | Vic  | Qld  | WA   | SA   | Tas  | ACT | NT   |                        |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|-----|------|------|------|-----|------------------------|------|------|------|------|------|------|-----|------|------------------------|--|--|--|--|--|--|--|--|
|                    |      | (d)  | (d)  | (d) | (d)  | (d)  | (d)  |     | (d)                    | (d)  | (d)  | (d)  | (d)  | (d)  | (d)  |     | (d)  |                        |  |  |  |  |  |  |  |  |
| <b>Remote</b>      |      |      |      |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |                        |  |  |  |  |  |  |  |  |
| Structure fires    |      |      |      |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |                        |  |  |  |  |  |  |  |  |
| 2015-16            | no.  | 127  | 10   | 31  | 50   | 30   | 17   | ..  | 47                     | ..   | ..   | ..   | ..   | ..   | ..   | ..  | ..   |                        |  |  |  |  |  |  |  |  |
| Response times     |      |      |      |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |                        |  |  |  |  |  |  |  |  |
|                    |      |      |      |     |      |      |      |     | <b>50th percentile</b> |      |      |      |      |      |      |     |      | <b>90th percentile</b> |  |  |  |  |  |  |  |  |
| 2015-16            | min. | 8.3  | 15.5 | 7.5 | 14.1 | 12.9 | 7.2  | ..  | 10.7                   | 15.6 | 24.3 | 15.8 | 25.2 | 32.1 | 11.7 | ..  | 17.4 |                        |  |  |  |  |  |  |  |  |
| 2014-15            | min. | 10.0 | 16.2 | 9.4 | 14.8 | 11.3 | 10.9 | ..  | 8.4                    | 17.3 | 27.7 | 17.3 | 27.0 | 25.0 | 31.0 | ..  | 17.4 |                        |  |  |  |  |  |  |  |  |
| 2013-14            | min. | 9.0  | np   | 9.1 | 12.7 | 13.0 | 8.5  | ..  | 3.2                    | 20.5 | np   | 21.9 | 24.2 | 37.2 | 25.4 | ..  | 7.3  |                        |  |  |  |  |  |  |  |  |
| 2012-13            | min. | 9.6  | np   | 6.5 | 13.8 | 13.8 | 11.4 | ..  | 4.0                    | 15.0 | np   | 14.6 | 25.5 | 36.0 | 21.1 | ..  | 8.9  |                        |  |  |  |  |  |  |  |  |
| 2011-12            | min. | 10.0 | np   | 6.9 | 13.4 | 11.5 | 9.9  | ..  | 4.3                    | 24.0 | np   | 14.9 | 76.9 | 17.1 | 19.2 | ..  | 9.0  |                        |  |  |  |  |  |  |  |  |
| 2010-11            | min. | 7.7  | np   | 7.2 | 14.8 | 10.0 | 10.9 | ..  | 4.8                    | 20.3 | np   | 11.4 | 23.2 | 17.5 | 21.6 | ..  | 12.2 |                        |  |  |  |  |  |  |  |  |
| 2009-10            | min. | na   | np   | na  | 13.1 | 11.0 | 10.0 | ..  | 5.6                    | na   | np   | na   | 23.3 | 15.7 | 20.8 | ..  | 11.0 |                        |  |  |  |  |  |  |  |  |
| 2008-09            | min. | na   | np   | na  | 12.8 | 12.0 | 14.8 | ..  | 5.5                    | na   | np   | na   | 28.9 | 18.0 | 40.4 | ..  | 9.1  |                        |  |  |  |  |  |  |  |  |
| <b>Very remote</b> |      |      |      |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |                        |  |  |  |  |  |  |  |  |
| Structure fires    |      |      |      |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |                        |  |  |  |  |  |  |  |  |
| 2015-16            | no.  | 73   | ..   | 22  | 16   | 20   | ..   | ..  | 22                     | ..   | ..   | ..   | ..   | ..   | ..   | ..  | ..   |                        |  |  |  |  |  |  |  |  |
| Response times     |      |      |      |     |      |      |      |     |                        |      |      |      |      |      |      |     |      |                        |  |  |  |  |  |  |  |  |
|                    |      |      |      |     |      |      |      |     | <b>50th percentile</b> |      |      |      |      |      |      |     |      | <b>90th percentile</b> |  |  |  |  |  |  |  |  |
| 2015-16            | min. | 7.0  | ..   | 8.0 | 14.9 | 11.0 | na   | ..  | 16.0                   | 11.2 | ..   | 15.6 | 55.7 | 49.9 | na   | ..  | 24.4 |                        |  |  |  |  |  |  |  |  |
| 2014-15            | min. | 8.0  | ..   | 9.0 | 15.2 | 13.0 | na   | ..  | 19.7                   | 13.0 | ..   | 14.1 | 40.5 | 25.6 | na   | ..  | 48.2 |                        |  |  |  |  |  |  |  |  |
| 2013-14            | min. | 10.1 | ..   | 9.5 | 12.4 | 9.5  | na   | ..  | 6.0                    | 40.1 | ..   | 20.9 | 19.6 | 69.6 | na   | ..  | 22.6 |                        |  |  |  |  |  |  |  |  |
| 2012-13            | min. | 8.2  | ..   | 9.3 | 12.1 | na   | 17.3 | ..  | 15.6                   | 17.0 | ..   | 21.2 | 45.4 | na   | 29.3 | ..  | 35.6 |                        |  |  |  |  |  |  |  |  |
| 2011-12            | min. | 7.3  | ..   | 8.2 | 13.2 | 16.0 | na   | ..  | 7.4                    | na   | ..   | 16.4 | 46.4 | 23.0 | na   | ..  | 24.8 |                        |  |  |  |  |  |  |  |  |
| 2010-11            | min. | 15.0 | ..   | na  | 13.2 | 11.5 | 11.9 | ..  | 9.0                    | 17.0 | ..   | na   | 93.4 | 33.8 | 16.0 | ..  | 18.8 |                        |  |  |  |  |  |  |  |  |
| 2009-10            | min. | na   | ..   | na  | 12.6 | 10.0 | na   | ..  | 4.8                    | na   | ..   | na   | 58.8 | 35.2 | na   | ..  | 17.5 |                        |  |  |  |  |  |  |  |  |
| 2008-09            | min. | na   | ..   | na  | 9.0  | 14.0 | 5.5  | ..  | 5.8                    | na   | ..   | na   | 20.0 | 28.0 | 6.6  | ..  | 9.6  |                        |  |  |  |  |  |  |  |  |

Table 9A.27 **Structure fire response times to structure fires, excluding call taking time, by remoteness area (a), (b), (c)**

|  | NSW | Vic | Qld | WA  | SA  | Tas | ACT | NT  | NSW | Vic | Qld | WA  | SA  | Tas | ACT | NT  |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  | (d) | (d) | (d) | (d) | (d) | (d) |     | (d) | (d) | (d) | (d) | (d) | (d) | (d) |     | (d) |

(a) Remoteness areas are classified according to the Australian Statistical Geography Standard (ASGS) (ABS cat. no. 1216.0). For Victoria, there are no very remote areas. For Tasmania, there are no major city areas (Hobart and Launceston are classified as inner regional areas). For the ACT, all areas are categorised as major city areas for this report. For the NT, there are no major city areas or inner regional areas (Darwin is classified as an outer regional area).

(b) Jurisdictions provide data where response was provided under emergency conditions (lights and sirens). Data are for both urban and rural services (including land management agencies) and for both career and volunteer services, unless otherwise stated — see footnote d for caveats. Data in this table are not directly comparable.

(c) Response times for major cities, regional and remote areas are impacted by a range of factors including geography and personnel mix (including the use of volunteers), which can significantly affect travel time to incidents, particularly in remote areas.

(d) Jurisdiction notes:

NSW: Data excluding call taking time are not available prior to 2010-11.

Vic: Prior to 2014-15, remote structure fires data were rolled into the Outer regional classification due to the low number of events. There are no Very remote areas in Victoria.

Qld: Structure fires within the Urban Service Administrative Areas (Levy District Boundaries A-D) are included. Excluded are non-emergency calls and those where QFES experienced delays due to either extreme weather conditions or where the initial response was by another agency or brigade. Only primary exposure incidents are included.

Data excluding call taking time are not available prior to 2010-11.

WA: Data include both career and volunteer responses where response was provided under emergency conditions (lights and sirens). Incidents where response time information is incomplete are excluded from response time calculations. Response time for major cities, regional and remote areas are impacted by volunteer data that, particularly in remote areas of the state are affected by significant travel time to incidents.

SA: Incomplete data are excluded from percentile calculations. Excludes response times of 12 hours or more.

In 2012-13 data for Very Remote are not available due to insufficient data.

CFS industrial action 1/12/2013 and 30/06/2014 will effect all data apart from Incident Types.

Tas: Due to industrial action 90 incident reports are incomplete in 2008-09. Due to industrial action 306 incident reports are incomplete in 2014-15.

NT: Inconsistencies in data input in previous reporting periods for Northern Territory Fire and Rescue Service resulted in significant increases in the times reported for responses to structure fires by remoteness of area (90th percentile). Changes to the data reporting and inputting processes has seen this issue rectified.

**na** Not available.    **..** Not applicable.    **np** Not published.    **-** nil or rounded to zero.

Source: State and Territory governments (unpublished).

Table 9A.28 **Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)**

|  | NSW (g)          | Vic (g)          | Qld (g)        | WA (g)         | SA             | Tas            | ACT (g)       | NT            | Total            |
|--|------------------|------------------|----------------|----------------|----------------|----------------|---------------|---------------|------------------|
| <b>2015-16</b>   |                  |                  |                |                |                |                |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 625 315          | 636 461          | 336 395        | 192 352        | 144 103        | 50 920         | 51 491        | 30 147        | 2 067 184        |
| Capital costs (d)  |                  |                  |                |                |                |                |               |               |                  |
| Depreciation   | 51 637           | 78 397           | 4 863          | 15 568         | 17 523         | 6 765          | 6 137         | 3 560         | 184 450          |
| User cost of capital - Other                                   | 42 787           | 236 408          | 1 700          | 19 447         | 20 182         | 6 757          | 5 521         | 5 359         | 338 162          |
| Other costs (e)  | 317 909          | 507 330          | 273 157        | 166 398        | 61 133         | 76 785         | 21 150        | 7 533         | 1 431 395        |
| <b>Total costs (f)</b>   | <b>1 037 649</b> | <b>1 458 596</b> | <b>616 115</b> | <b>393 765</b> | <b>242 941</b> | <b>141 227</b> | <b>84 299</b> | <b>46 599</b> | <b>4 021 191</b> |
| Other expenses   |                  |                  |                |                |                |                |               |               |                  |
| <i>Labour costs - Payroll tax</i>                              | 30 959           | 28 274           | –              | na             | 6 123          | 2 936          | –             | 1 593         | 69 885           |
| <i>User cost of capital - Land</i>                             | 19 016           | 131 203          | –              | 8 816          | 4 787          | 1 420          | 1 112         | na            | na               |
| <i>Interest on borrowings</i>                                  | –                | –                | –              | 2 457          | –              | 285            | –             | –             | 2 742            |
| <b>2014-15</b>   |                  |                  |                |                |                |                |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 616 567          | 581 915          | 334 037        | 189 174        | 128 912        | 46 468         | 52 963        | 31 850        | 1 981 886        |
| Capital costs (d)  |                  |                  |                |                |                |                |               |               |                  |
| Depreciation   | 49 882           | 77 134           | 4 880          | 15 936         | 17 511         | 6 699          | 5 262         | 3 328         | 180 633          |
| User cost of capital - Other                                   | 40 329           | 189 768          | 1 680          | 19 419         | 24 678         | 6 979          | 5 971         | 5 491         | 294 314          |
| Other costs (e)  | 313 557          | 443 703          | 291 949        | 160 578        | 62 613         | 22 860         | 19 863        | 14 422        | 1 329 544        |
| <b>Total costs (f)</b>   | <b>1 020 335</b> | <b>1 292 520</b> | <b>632 545</b> | <b>385 107</b> | <b>233 714</b> | <b>83 005</b>  | <b>84 059</b> | <b>55 091</b> | <b>3 786 378</b> |
| Other expenses   |                  |                  |                |                |                |                |               |               |                  |
| <i>Labour costs - Payroll tax</i>                              | 29 226           | 26 789           | ..             | –              | 5 969          | 2 651          | –             | 1 593         | 66 228           |
| <i>User cost of capital - Land</i>                             | 12 727           | 123 356          | 24             | 8 014          | 4 909          | 1 436          | 1 161         | 512           | 152 140          |
| <i>Interest on borrowings</i>                                  | –                | –                | –              | 2 968          | –              | 195            | –             | –             | 3 163            |

Table 9A.28 Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)

|  | NSW (g)          | Vic (g)          | Qld (g)        | WA (g)         | SA             | Tas           | ACT (g)       | NT            | Total            |
|--|------------------|------------------|----------------|----------------|----------------|---------------|---------------|---------------|------------------|
| <b>2013-14</b>   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 607 047          | 567 713          | 318 673        | 181 873        | 124 203        | 45 640        | 49 069        | 31 462        | 1 925 680        |
| Capital costs (d)  |                  |                  |                |                |                |               |               |               |                  |
| Depreciation   | 49 961           | 71 079           | 16 628         | 16 817         | 18 025         | 6 427         | 5 679         | 3 122         | 187 736          |
| User cost of capital - Other                                   | 38 635           | 188 736          | 1 518          | 17 889         | 19 259         | 7 057         | 5 118         | 3 756         | 281 968          |
| Other costs (e)  | –                | 487 106          | 247 539        | 157 697        | 66 152         | 22 953        | 18 849        | 4 345         | 1 004 640        |
| <b>Total costs (f)</b>   | <b>695 643</b>   | <b>1 314 634</b> | <b>584 358</b> | <b>374 275</b> | <b>227 639</b> | <b>82 076</b> | <b>78 716</b> | <b>42 685</b> | <b>3 400 025</b> |
| Other expenses   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 29 885           | 25 877           | 14 058         | –              | 5 781          | 2 744         | –             | 1 582         | 79 926           |
| User cost of capital - Land                                    | 11 989           | 123 604          | 21             | 7 770          | 4 930          | 1 414         | 1 148         | 517           | 151 394          |
| Interest on borrowings   | –                | –                | –              | 3 118          | –              | 251           | –             | –             | 3 369            |
| <b>2012-13</b>   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 601 139          | 569 223          | 309 999        | 165 987        | 120 058        | 45 172        | 47 947        | 29 904        | 1 889 428        |
| Capital costs (d)  |                  |                  |                |                |                |               |               |               |                  |
| Depreciation   | 51 009           | 68 716           | 33 164         | 13 034         | 18 203         | 5 766         | 7 695         | 3 116         | 200 704          |
| User cost of capital - Other                                   | 42 829           | 183 631          | 31 025         | 17 833         | 20 156         | 6 821         | 4 874         | 3 927         | 311 097          |
| Other costs (e)  | 384 891          | 477 827          | 149 188        | 286 356        | 61 760         | 32 513        | 18 025        | 12 316        | 1 422 875        |
| <b>Total costs (f)</b>   | <b>1 079 869</b> | <b>1 299 397</b> | <b>523 375</b> | <b>483 210</b> | <b>220 177</b> | <b>90 272</b> | <b>78 541</b> | <b>49 263</b> | <b>3 824 104</b> |
| Other expenses   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 30 166           | 25 964           | 13 656         | –              | 5 426          | 2 542         | –             | 1 492         | 79 245           |
| User cost of capital - Land                                    | 11 888           | 29 551           | 12 014         | 7 152          | 4 430          | 1 406         | 1 163         | 524           | 68 128           |
| Interest on borrowings   | –                | –                | 245            | 3 630          | –              | 263           | –             | na            | na               |

Table 9A.28 Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)

|  | NSW (g)        | Vic (g)          | Qld (g)        | WA (g)         | SA             | Tas           | ACT (g)       | NT            | Total            |
|--|----------------|------------------|----------------|----------------|----------------|---------------|---------------|---------------|------------------|
| <b>2011-12</b>   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 636 361        | 538 083          | 326 072        | 168 679        | 115 346        | 42 136        | 47 624        | 28 802        | 1 903 104        |
| Capital costs (d)  |                |                  |                |                |                |               |               |               |                  |
| Depreciation   | 47 362         | 60 749           | 34 222         | 12 193         | 18 380         | 5 446         | 5 463         | 1 965         | 185 780          |
| User cost of capital - Other                                   | 35 640         | 177 617          | 30 082         | 16 045         | 20 296         | 6 635         | 4 354         | 2 185         | 292 854          |
| Other costs (e)  | 261 222        | 444 159          | 160 252        | 285 606        | 60 082         | 18 342        | 22 403        | 11 682        | 1 263 746        |
| <b>Total costs (f)</b>   | <b>980 585</b> | <b>1 220 607</b> | <b>550 628</b> | <b>482 523</b> | <b>214 105</b> | <b>72 559</b> | <b>79 844</b> | <b>44 633</b> | <b>3 645 484</b> |
| Other expenses   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 31 203         | 25 012           | 14 284         | –              | 5 573          | 2 491         | –             | 1 380         | 79 943           |
| User cost of capital - Land                                    | 12 135         | 29 708           | 13 038         | 6 551          | 4 448          | 1 302         | 1 045         | 532           | 68 759           |
| Interest on borrowings   | –              | 155              | 218            | 2 704          | –              | 301           | –             | na            | na               |
| <b>2010-11</b>   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 617 921        | 517 099          | 309 930        | 150 769        | 106 325        | 40 457        | 43 232        | 29 156        | 1 814 888        |
| Capital costs (d)  |                |                  |                |                |                |               |               |               |                  |
| Depreciation   | 44 335         | 68 048           | 33 589         | 11 845         | 19 553         | 5 434         | 6 046         | 1 891         | 190 741          |
| User cost of capital - Other                                   | 35 878         | 179 067          | 31 084         | 16 433         | 31 147         | 6 786         | 2 251         | 2 686         | 305 332          |
| Other costs (e)  | 294 709        | 405 918          | 157 257        | 175 009        | 41 482         | 18 380        | 22 733        | 10 170        | 1 125 659        |
| <b>Total costs (f)</b>   | <b>992 843</b> | <b>1 170 132</b> | <b>531 860</b> | <b>354 056</b> | <b>198 507</b> | <b>71 057</b> | <b>74 262</b> | <b>43 903</b> | <b>3 436 620</b> |
| Other expenses   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 30 260         | 23 578           | 13 750         | –              | 5 280          | 2 466         | –             | 1 411         | 76 745           |
| User cost of capital - Land                                    | 11 630         | 29 376           | 12 808         | 6 908          | 2 476          | 1 332         | 1 337         | 544           | 66 411           |
| Interest on borrowings   | –              | 187              | 243            | 248            | –              | 343           | –             | –             | 1 021            |

Table 9A.28 **Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)**

|  | NSW (g)          | Vic (g)          | Qld (g)        | WA (g)         | SA             | Tas           | ACT (g)       | NT            | Total            |
|--|------------------|------------------|----------------|----------------|----------------|---------------|---------------|---------------|------------------|
| <b>2009-10</b>   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 608 310          | 477 188          | 296 313        | 150 696        | 107 588        | 42 136        | 46 119        | 29 263        | 1 757 615        |
| Capital costs (d)  |                  |                  |                |                |                |               |               |               |                  |
| Depreciation   | 44 017           | 65 841           | 38 073         | 10 984         | 22 008         | 5 371         | 4 080         | 1 880         | 192 254          |
| User cost of capital - Other                                   | 35 753           | 139 461          | 32 803         | 16 261         | 31 156         | 6 882         | 2 313         | 2 369         | 266 998          |
| Other costs (e)  | 343 675          | 392 033          | 155 254        | 134 100        | 48 958         | 23 019        | 23 007        | 10 522        | 1 130 568        |
| <b>Total costs (f)</b>   | <b>1 031 756</b> | <b>1 074 523</b> | <b>522 443</b> | <b>312 041</b> | <b>209 709</b> | <b>77 409</b> | <b>75 519</b> | <b>44 035</b> | <b>3 347 435</b> |
| Other expenses   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 29 314           | 22 215           | 13 257         | –              | 5 195          | 2 499         | –             | 1 474         | 73 954           |
| User cost of capital - Land                                    | 12 181           | 21 748           | 13 756         | 6 500          | 2 602          | 1 262         | 1 408         | 429           | 59 886           |
| Interest on borrowings   | 46               | 181              | 275            | 135            | –              | 385           | –             | –             | 1 022            |
| <b>2008-09</b>   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 588 936          | 481 881          | 288 905        | 140 835        | 105 087        | 40 607        | 48 618        | 27 685        | 1 722 555        |
| Capital costs (d)  |                  |                  |                |                |                |               |               |               |                  |
| Depreciation   | 40 335           | 62 673           | 36 958         | 10 380         | 20 100         | 5 401         | 5 011         | 1 999         | 182 857          |
| User cost of capital - Other                                   | 31 716           | 137 531          | 33 645         | 15 926         | 29 399         | 6 831         | 2 507         | 2 299         | 259 854          |
| Other costs (e)  | 286 887          | 716 941          | 123 498        | 109 285        | 50 906         | 19 136        | 16 425        | 11 572        | 1 334 650        |
| <b>Total costs (f)</b>   | <b>947 875</b>   | <b>1 399 026</b> | <b>483 007</b> | <b>276 426</b> | <b>205 492</b> | <b>71 975</b> | <b>72 560</b> | <b>43 554</b> | <b>3 499 916</b> |
| Other expenses   |                  |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 29 796           | 22 209           | 13 016         | –              | 4 935          | 2 433         | –             | 1 445         | 73 835           |
| User cost of capital - Land                                    | 10 730           | 21 852           | 14 041         | 6 590          | 2 655          | 1 256         | 1 188         | 401           | 58 712           |
| Interest on borrowings   | 296              | 51               | 301            | 3 506          | –              | 396           | –             | –             | 4 551            |



Table 9A.28 Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)

|  | NSW (g)        | Vic (g)          | Qld (g)        | WA (g)         | SA             | Tas           | ACT (g)       | NT            | Total            |
|--|----------------|------------------|----------------|----------------|----------------|---------------|---------------|---------------|------------------|
| <b>2007-08</b>   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 577 830        | 336 062          | 266 138        | 130 389        | 98 653         | 39 504        | 40 117        | 22 572        | 1 511 265        |
| Capital costs (d)  |                |                  |                |                |                |               |               |               |                  |
| Depreciation   | 40 176         | 54 474           | 33 202         | 11 648         | 18 011         | 5 872         | 1 643         | 2 033         | 167 059          |
| User cost of capital - Other                                   | 32 651         | 77 394           | 34 520         | 15 855         | 26 063         | 6 802         | 2 750         | 2 244         | 198 279          |
| Other costs (e)  | 273 765        | 529 648          | 130 751        | 122 160        | 50 539         | 17 122        | 19 202        | 11 183        | 1 154 370        |
| <b>Total costs (f)</b>   | <b>924 422</b> | <b>997 579</b>   | <b>464 611</b> | <b>280 051</b> | <b>193 266</b> | <b>69 299</b> | <b>63 712</b> | <b>38 033</b> | <b>3 030 973</b> |
| Other expenses   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 30 101         | 14 109           | 11 847         | –              | 4 844          | 2 384         | –             | –             | 63 285           |
| User cost of capital - Land                                    | 11 192         | 22 661           | 13 242         | 6 573          | 2 759          | 1 146         | 1 186         | 417           | 59 175           |
| Interest on borrowings   | 292            | –                | 331            | 2 765          | –              | 484           | –             | –             | 3 873            |
| <b>2006-07</b>   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Salaries and payments in the nature of salaries | 558 149        | 461 827          | 258 718        | 132 131        | 97 001         | 40 202        | 42 146        | 26 318        | 1 616 492        |
| Capital costs (d)  |                |                  |                |                |                |               |               |               |                  |
| Depreciation   | 42 074         | 50 370           | 34 863         | 11 169         | 20 478         | 5 893         | 1 279         | 1 927         | 168 053          |
| User cost of capital - Other                                   | 32 682         | 74 884           | 33 026         | 14 238         | 26 638         | 6 951         | 3 569         | 1 779         | 193 767          |
| Other costs (e)  | 327 656        | 491 757          | 126 099        | 121 500        | 52 346         | 21 182        | 31 326        | 9 597         | 1 181 463        |
| <b>Total costs (f)</b>   | <b>960 561</b> | <b>1 078 839</b> | <b>452 706</b> | <b>279 038</b> | <b>196 464</b> | <b>74 228</b> | <b>78 319</b> | <b>39 621</b> | <b>3 159 776</b> |
| Other expenses   |                |                  |                |                |                |               |               |               |                  |
| Labour costs - Payroll tax                                     | 29 341         | 23 424           | 11 349         | –              | 5 081          | 2 183         | –             | 1 440         | 72 818           |
| User cost of capital - Land                                    | 11 655         | 19 863           | 11 795         | 4 582          | 2 836          | 836           | 831           | 433           | 52 831           |
| Interest on borrowings   | 332            | –                | 1 140          | 5 377          | –              | 504           | –             | –             | 7 352            |

(a) Time series financial data are adjusted to 2015-16 dollars using the General Government Final Consumption Expenditure (GGFCE) chain price deflator (2015-16 = 100) (table 2A.48).

(b) Figures vary from year to year as a result of abnormal expenditure related to response to specific major emergencies.

Table 9A.28 **Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)**

|  | <i>NSW (g)</i> | <i>Vic (g)</i> | <i>Qld (g)</i> | <i>WA (g)</i> | <i>SA</i> | <i>Tas</i> | <i>ACT (g)</i> | <i>NT</i> | <i>Total</i> |
|--|----------------|----------------|----------------|---------------|-----------|------------|----------------|-----------|--------------|
| (c) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.   |                |                |                |               |           |            |                |           |              |
| (d) The user cost of capital is partly dependent on depreciation and asset revaluation methods employed. Details of the treatment of assets by emergency management agencies across jurisdictions are outlined in table 9A.51.   |                |                |                |               |           |            |                |           |              |
| (e) Includes the running, training, maintenance, communications, provisions for losses and other recurrent costs.  |                |                |                |               |           |            |                |           |              |
| (f) Total costs exclude payroll tax, the user cost of capital associated with land, and interest on borrowings.  |                |                |                |               |           |            |                |           |              |
| (g) Jurisdiction notes:  |                |                |                |               |           |            |                |           |              |
| NSW: NSW Rural Fire Service costs in 2012-13 exceed the 2011-12 costs primarily as a result of a high fire activity season (Hazard Reduction and Natural Disaster expenditure).  |                |                |                |               |           |            |                |           |              |
| Vic: In 2010-11 capital cost increase largely due to revaluation of the former Department of Environment and Primary Industries (DEPI) roads.<br>In 2008-09 capital cost increase largely due to the reclassification of fire tracks. 2008-09 data include a significant increase in costs due to emergency funding arising from the Black Saturday Bushfires.<br>From 2006-07 data include funding and expenditure for the Department of Environment Land Water & Planning or its predecessors.<br>In 2005-06, MFB user cost of capital increase is related to June 2005 revaluations of \$34 million and the 8 per cent cost of capital calculation. Increase in other revenue is due to recharges to CFA (approximately \$2.5 million) for fibre optic communications/ICS support (SAP etc).  |                |                |                |               |           |            |                |           |              |
| Qld: The Operating Costs represents costs for the Queensland Fire and Emergency Services (excluding State Emergency Service costs) following the transfer of some functions and assets to the Public Safety Business Agency on 1 November 2013. The 2014-15 results reflect the first full year following the transfers. In addition, from 1 July 2014 the Office of the Inspector General Emergency Management is no longer part of the Queensland Fire and Emergency Services and is reported as a separate entity. The 2015-16 and 2014-15 results are therefore not comparable to prior years.<br>Fire interest on borrowings: Increase from 2014-15 to 2015-16 relates to increased expenditure to maintain operational requirements including decontamination expenses, equipment maintenance and repairs, other supplies, aircraft related costs, motor vehicles expenses, training, property repairs and maintenance, and computer expenses to maintain operational requirements.<br>Fire running, training and maintenance costs: Decrease from 2014-15 to 2015-16 relates to the annual measurement of services provided below fair value from the Public Safety Business Agency to Queensland Fire and Emergency Services as derived from the service costing allocation model.<br>Payroll tax for all Queensland State Government entities was abolished from 1 July 2014. |                |                |                |               |           |            |                |           |              |
| WA: DFES provides a wide range of emergency services under an integrated management structure. From 2006-07, data cannot be segregated by service and include costs related to the State Emergency Service and volunteer marine rescue as well as fire. Expenses also include costs related to Wildfire Suppression and Western Australia Natural Disaster Relief and Recovery Arrangements.<br>Data for the Department of Parks and Wildlife are not included.  |                |                |                |               |           |            |                |           |              |
| ACT: Other Operating cost for 2011-12 includes a Provision for losses of \$3.5m, which has that effect of showing as increased cost of service in 2011-12.<br>Depreciation increase in 2010-11 relates to the completion of New Headquarters and Training Facilities.  |                |                |                |               |           |            |                |           |              |

Table 9A.28 **Fire service organisations' costs (\$'000) (2015-16 dollars) (a), (b), (c), (d), (e), (f)**

|  | <i>NSW (g)</i> | <i>Vic (g)</i> | <i>Qld (g)</i> | <i>WA (g)</i> | <i>SA</i> | <i>Tas</i> | <i>ACT (g)</i> | <i>NT</i> | <i>Total</i> |
|--|----------------|----------------|----------------|---------------|-----------|------------|----------------|-----------|--------------|
|--|----------------|----------------|----------------|---------------|-----------|------------|----------------|-----------|--------------|

– Nil or rounded to zero. **na** not available. .. Not applicable.

*Source:* State and Territory governments (unpublished); ABS 2016, Australian National Accounts: National Income, Expenditure and Product, June 2016, Cat. no. 5206.0 (table 2A.48).

Table 9A.29 Fire service organisations' expenditure per person, (2015–16 dollars) (a), (b), (c), (d)

|                | <i>Unit</i> | <i>NSW</i> | <i>Vic</i><br>(e) | <i>Qld</i><br>(e) | <i>WA</i><br>(e) | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|----------------|-------------|------------|-------------------|-------------------|------------------|-----------|------------|------------|-----------|-------------|
| <b>2015-16</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 1 037.6    | 1 458.6           | 616.1             | 393.8            | 242.9     | 141.2      | 84.3       | 46.6      | 4 021.2     |
| Population     | m           | 7.7        | 6.0               | 4.8               | 2.6              | 1.7       | 0.5        | 0.4        | 0.2       | 23.9        |
| Per person     | \$          | 135.27     | 243.25            | 128.12            | 151.22           | 142.67    | 272.95     | 214.49     | 190.96    | 167.97      |
| <b>2014-15</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 1 020.3    | 1 292.5           | 632.5             | 385.1            | 233.7     | 83.0       | 84.1       | 55.1      | 3 786.4     |
| Population     | m           | 7.6        | 5.9               | 4.8               | 2.6              | 1.7       | 0.5        | 0.4        | 0.2       | 23.6        |
| Per person     | \$          | 134.87     | 219.58            | 133.15            | 149.19           | 138.17    | 161.10     | 216.85     | 225.54    | 160.27      |
| <b>2013-14</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 1 115.4    | 1 314.6           | 584.4             | 374.3            | 227.6     | 82.1       | 78.7       | 42.7      | 3 819.8     |
| Population     | m           | 7.5        | 5.8               | 4.7               | 2.6              | 1.7       | 0.5        | 0.4        | 0.2       | 23.3        |
| Per person     | \$          | 149.41     | 227.01            | 124.57            | 146.72           | 135.72    | 159.70     | 204.91     | 175.97    | 163.80      |
| <b>2012-13</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 1 079.9    | 1 299.4           | 523.4             | 483.2            | 220.2     | 90.3       | 78.5       | 49.3      | 3 824.1     |
| Population     | m           | 7.3        | 5.7               | 4.6               | 2.5              | 1.7       | 0.5        | 0.4        | 0.2       | 22.9        |
| Per person     | \$          | 146.94     | 228.78            | 113.51            | 195.42           | 132.46    | 176.17     | 206.93     | 207.98    | 166.95      |
| <b>2011-12</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 980.6      | 1 220.6           | 550.6             | 482.5            | 214.1     | 72.6       | 79.8       | 44.6      | 3 645.5     |
| Population     | m           | 7.2        | 5.6               | 4.5               | 2.4              | 1.6       | 0.5        | 0.4        | 0.2       | 22.5        |
| 3              | \$          | 135.30     | 218.96            | 122.01            | 202.13           | 130.15    | 141.80     | 215.37     | 192.08    | 162.13      |
| <b>2010-11</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 992.8      | 1 170.1           | 531.9             | 354.1            | 198.5     | 71.1       | 74.3       | 43.9      | 3 436.6     |
| Population     | m           | 7.2        | 5.5               | 4.4               | 2.3              | 1.6       | 0.5        | 0.4        | 0.2       | 22.2        |
| Per person     | \$          | 138.28     | 212.92            | 119.87            | 152.67           | 121.60    | 139.27     | 203.55     | 190.63    | 154.99      |
| <b>2009-10</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 1 031.8    | 1 074.5           | 522.4             | 312.0            | 209.7     | 77.4       | 75.5       | 44.0      | 3 347.4     |
| Population     | m           | 7.1        | 5.4               | 4.4               | 2.3              | 1.6       | 0.5        | 0.4        | 0.2       | 21.9        |

Table 9A.29 **Fire service organisations' expenditure per person, (2015–16 dollars) (a), (b), (c), (d)**

|                | <i>Unit</i> | <i>NSW</i> | <i>Vic</i><br>(e) | <i>Qld</i><br>(e) | <i>WA</i><br>(e) | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|----------------|-------------|------------|-------------------|-------------------|------------------|-----------|------------|------------|-----------|-------------|
| Per person     | \$          | 145.29     | 198.28            | 119.62            | 137.84           | 129.56    | 152.84     | 211.03     | 193.32    | 153.09      |
| <b>2008-09</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 947.9      | 1 399.0           | 483.0             | 276.4            | 205.5     | 72.0       | 72.6       | 43.6      | 3 499.9     |
| Population     | m           | 7.0        | 5.3               | 4.3               | 2.2              | 1.6       | 0.5        | 0.4        | 0.2       | 21.5        |
| Per person     | \$          | 135.38     | 263.31            | 112.97            | 125.14           | 128.60    | 143.44     | 206.66     | 195.73    | 162.97      |
| <b>2007-08</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 924.4      | 997.6             | 464.6             | 280.1            | 193.3     | 69.3       | 63.7       | 38.0      | 3 031.0     |
| Population     | m           | 6.9        | 5.2               | 4.2               | 2.1              | 1.6       | 0.5        | 0.3        | 0.2       | 21.0        |
| Per person     | \$          | 134.29     | 191.86            | 111.69            | 131.17           | 122.44    | 139.76     | 185.11     | 175.58    | 144.22      |
| <b>2006-07</b> |             |            |                   |                   |                  |           |            |            |           |             |
| Total          | \$m         | 960.6      | 1 078.8           | 452.7             | 279.0            | 196.5     | 74.2       | 78.3       | 39.6      | 3 159.8     |
| Population     | m           | 6.8        | 5.1               | 4.1               | 2.1              | 1.6       | 0.5        | 0.3        | 0.2       | 20.6        |
| Per person     | \$          | 141.55     | 211.37            | 111.62            | 134.36           | 125.83    | 151.02     | 231.45     | 187.75    | 153.18      |

(a) Time series financial data are adjusted to 2015-16 dollars using the General Government Final Consumption Expenditure (GGFCE) chain price deflator (2015-16 = 100) (table 2A.48).

(b) Population data used to derive rates are as at 31 December. Estimated Resident Population (ERP) data for 2004 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.

(c) Figures vary from year to year as a result of abnormal expenditure related to response to specific major emergencies.

(d) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(e) Jurisdiction notes:

Vic: 2008-09 data include a significant increase in expenditure due to emergency funding arising from the Black Saturday Bushfires. From 2006-07 data include funding and expenditure for the Department of Environment and Primary Industries (DEPI) (now DELWP).

Qld: The Operating Costs represents costs for the Queensland Fire and Emergency Services (QFES) (excluding State Emergency Service costs) following the transfer of some functions and assets to the Public Safety Business Agency on 1 November 2013. The 2014-15 results reflect the first full year following the transfers. In addition, from 1 July 2014 the Office of the Inspector General Emergency Management is no longer part of the Queensland Fire and Emergency Services and is reported as a separate entity. The 2015-16 and 2014-15 results are therefore not comparable to prior years.

QFES data for 2014-15 and 2015-16 includes grant expenditure paid to the Public Safety Business Agency for goods and services provided to QFES.

Table 9A.29 **Fire service organisations' expenditure per person, (2015–16 dollars) (a), (b), (c), (d)**

| <i>Unit</i> | <i>NSW</i> | <i>Vic</i><br>(e) | <i>Qld</i><br>(e) | <i>WA</i><br>(e) | <i>SA</i> | <i>Tas</i> | <i>ACT</i> | <i>NT</i> | <i>Aust</i> |
|-------------|------------|-------------------|-------------------|------------------|-----------|------------|------------|-----------|-------------|
|-------------|------------|-------------------|-------------------|------------------|-----------|------------|------------|-----------|-------------|

WA: DFES provides a wide range of emergency services under an integrated management structure. From 2006-07, data cannot be segregated by service and include costs related to the State Emergency Service and volunteer marine rescue as well as fire.

Data for the Department of Parks and Wildlife are not included.

**Source:** State and Territory governments; ABS (unpublished); Australian Demographic Statistics, Cat. no. 3101.0; ABS 2016, Australian National Accounts: National Income, Expenditure and Product, June 2016, Cat. no. 5206.0 (table 2A.48).

Table 9A.30 Fire service organisations' funding per person (2015-16 dollars) (a), (b), (c), (d)

|                             | NSW<br>(e)    | Vic<br>(e)    | Qld<br>(e)    | WA<br>(e)     | SA            | Tas           | ACT<br>(e)    | NT            | Aust          |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>2015-16</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 35.12         | 83.36         | 14.94         | 21.39         | 2.24          | 72.99         | 162.38        | 131.98        | 43.21         |
| Total levies                | 90.15         | 106.73        | 95.12         | 124.15        | 123.82        | 107.22        | –             | –             | 99.35         |
| User charges                | 5.50          | 9.34          | 11.11         | 3.75          | 3.51          | 21.12         | –             | 10.64         | 7.56          |
| Miscellaneous revenue       | 6.40          | 3.46          | 4.04          | 2.52          | 0.93          | 62.44         | 13.50         | 0.06          | 5.64          |
| Indirect government funding | –             | 0.78          | –             | –             | –             | –             | –             | –             | 0.19          |
| <b>Total</b>                | <b>137.16</b> | <b>203.67</b> | <b>125.20</b> | <b>151.81</b> | <b>130.51</b> | <b>263.77</b> | <b>175.88</b> | <b>142.67</b> | <b>155.95</b> |
| <b>2014-15</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 37.39         | 79.72         | 17.41         | 24.68         | 3.06          | 12.53         | 167.46        | 162.44        | 42.95         |
| Total levies                | 88.47         | 102.70        | 93.93         | 114.98        | 120.01        | 107.09        | –             | –             | 96.29         |
| User charges                | 5.50          | 11.73         | 11.58         | 3.74          | 3.41          | 21.98         | –             | –             | 8.15          |
| Miscellaneous revenue       | 6.63          | 3.12          | 11.25         | 1.56          | 1.98          | 5.33          | 12.75         | –             | 5.80          |
| Indirect government funding | –             | 0.91          | –             | –             | –             | –             | –             | –             | 0.23          |
| <b>Total</b>                | <b>138.00</b> | <b>198.18</b> | <b>134.17</b> | <b>144.96</b> | <b>128.46</b> | <b>146.93</b> | <b>180.21</b> | <b>162.44</b> | <b>153.42</b> |
| <b>2013-14</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 50.78         | 87.39         | 23.18         | 23.29         | 6.52          | 12.98         | 159.61        | 139.06        | 50.00         |
| Total levies                | 90.61         | 113.73        | 86.20         | 110.82        | 116.29        | 105.91        | –             | –             | 97.41         |
| User charges                | 4.97          | 8.51          | 11.06         | 3.14          | 3.80          | 25.69         | –             | –             | 7.11          |
| Miscellaneous revenue       | 6.42          | 3.05          | 16.85         | 1.19          | 1.67          | 4.74          | 9.61          | –             | 6.71          |
| Indirect government funding | –             | 1.21          | –             | –             | –             | –             | –             | –             | 0.30          |
| <b>Total</b>                | <b>152.78</b> | <b>213.88</b> | <b>137.29</b> | <b>138.44</b> | <b>128.27</b> | <b>149.32</b> | <b>169.22</b> | <b>139.06</b> | <b>161.54</b> |
| <b>2012-13</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 46.45         | 94.17         | 23.06         | 42.27         | 2.03          | 36.77         | 156.87        | 204.73        | 53.15         |
| Total levies                | 89.93         | 105.52        | 79.07         | 106.34        | 105.78        | 103.88        | –             | –             | 92.41         |
| User charges                | 3.75          | 5.96          | 11.13         | 3.02          | 3.14          | 20.58         | –             | 11.49         | 6.05          |
| Miscellaneous revenue       | 4.61          | 5.56          | 1.42          | 2.23          | 1.61          | 9.47          | 12.17         | 0.02          | 3.92          |
| Indirect government funding | –             | 0.63          | –             | –             | –             | –             | –             | –             | 0.16          |

Table 9A.30 Fire service organisations' funding per person (2015-16 dollars) (a), (b), (c), (d)

|                             | NSW<br>(e)    | Vic<br>(e)    | Qld<br>(e)    | WA<br>(e)     | SA            | Tas           | ACT<br>(e)    | NT            | Aust          |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total</b>                | <b>144.75</b> | <b>211.83</b> | <b>114.68</b> | <b>153.86</b> | <b>112.57</b> | <b>170.70</b> | <b>169.04</b> | <b>216.24</b> | <b>155.68</b> |
| <b>2011-12</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 35.00         | 79.55         | 26.84         | 71.81         | 2.16          | 12.71         | 146.69        | 154.21        | 48.47         |
| Total levies                | 96.67         | 127.47        | 78.49         | 103.87        | 108.91        | 103.74        | –             | –             | 99.87         |
| User charges                | 3.93          | 6.84          | 12.66         | 2.74          | 3.32          | 20.53         | 29.74         | 11.71         | 7.12          |
| Miscellaneous revenue       | 4.70          | 8.04          | 0.85          | 4.45          | 1.49          | 5.26          | 8.82          | 0.40          | 4.53          |
| Indirect government funding | –             | 0.98          | –             | –             | –             | –             | –             | –             | 0.24          |
| <b>Total</b>                | <b>140.30</b> | <b>222.89</b> | <b>118.83</b> | <b>182.87</b> | <b>115.88</b> | <b>142.24</b> | <b>185.25</b> | <b>166.32</b> | <b>160.23</b> |
| <b>2010-11</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 42.71         | 75.79         | 29.48         | 76.56         | 2.10          | 12.95         | 113.44        | 126.35        | 50.15         |
| Total levies                | 95.33         | 107.74        | 76.92         | 102.67        | 104.17        | 101.67        | –             | –             | 93.71         |
| User charges                | 2.23          | 6.16          | 12.56         | 2.34          | 2.77          | 20.65         | 29.24         | 12.55         | 6.30          |
| Miscellaneous revenue       | 4.97          | 7.87          | 1.16          | 4.21          | 1.85          | 3.17          | 4.76          | 0.31          | 4.52          |
| Indirect government funding | –             | 0.81          | –             | –             | –             | –             | –             | –             | 0.20          |
| <b>Total</b>                | <b>145.23</b> | <b>198.36</b> | <b>120.12</b> | <b>185.77</b> | <b>110.89</b> | <b>138.43</b> | <b>147.44</b> | <b>139.21</b> | <b>154.89</b> |
| <b>2009-10</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 46.00         | 70.24         | 26.85         | 29.36         | 2.47          | 16.29         | 124.77        | 117.96        | 44.58         |
| Total levies                | 93.41         | 113.73        | 79.10         | 91.15         | 114.49        | 106.01        | –             | –             | 94.69         |
| User charges                | 2.26          | 8.95          | 9.94          | 1.98          | 2.65          | 26.06         | 29.41         | 11.41         | 6.54          |
| Miscellaneous revenue       | 6.11          | 6.48          | 1.35          | 3.25          | 1.82          | 6.62          | 13.26         | 0.37          | 4.70          |
| Indirect government funding | –             | 1.11          | –             | –             | –             | –             | –             | –             | 0.28          |
| <b>Total</b>                | <b>147.78</b> | <b>200.52</b> | <b>117.24</b> | <b>125.74</b> | <b>121.43</b> | <b>154.99</b> | <b>167.44</b> | <b>129.73</b> | <b>150.80</b> |
| <b>2008-09</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 37.17         | 154.09        | 21.66         | 26.89         | 2.74          | 12.65         | 135.22        | 115.11        | 61.22         |
| Total levies                | 103.36        | 98.61         | 77.82         | 89.94         | 118.85        | 103.18        | –             | –             | 94.09         |
| User charges                | 2.39          | 7.69          | 8.95          | 1.99          | 3.41          | 20.14         | 28.01         | 11.65         | 5.97          |
| Miscellaneous revenue       | 6.81          | 3.53          | 1.82          | 4.60          | 3.44          | 5.34          | 3.02          | 0.08          | 4.36          |



Table 9A.30 Fire service organisations' funding per person (2015-16 dollars) (a), (b), (c), (d)

|                             | NSW<br>(e)    | Vic<br>(e)    | Qld<br>(e)    | WA<br>(e)     | SA            | Tas           | ACT<br>(e)    | NT            | Aust          |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Indirect government funding | –             | 2.45          | –             | –             | –             | –             | 3.17          | –             | 0.66          |
| <b>Total</b>                | <b>149.73</b> | <b>266.37</b> | <b>110.25</b> | <b>123.42</b> | <b>128.44</b> | <b>141.31</b> | <b>169.43</b> | <b>126.84</b> | <b>166.31</b> |
| <b>2007-08</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 29.51         | 67.76         | 20.52         | 33.09         | 3.82          | 16.91         | 138.32        | 95.38         | 37.79         |
| Total levies                | 97.16         | 96.67         | 76.79         | 92.15         | 117.91        | 103.23        | –             | –             | 91.59         |
| User charges                | 2.33          | 7.36          | 7.79          | 2.48          | 4.03          | 16.69         | 29.92         | 11.12         | 5.68          |
| Miscellaneous revenue       | 7.24          | 6.74          | 1.23          | 5.29          | 2.66          | 3.65          | 4.11          | 1.82          | 5.19          |
| Indirect government funding | –             | –             | –             | –             | –             | –             | –             | –             | –             |
| <b>Total</b>                | <b>136.24</b> | <b>178.52</b> | <b>106.33</b> | <b>133.01</b> | <b>128.41</b> | <b>140.48</b> | <b>172.35</b> | <b>108.33</b> | <b>140.25</b> |
| <b>2006-07</b>              |               |               |               |               |               |               |               |               |               |
| Total government grants     | 42.91         | 105.36        | 19.59         | 40.16         | 0.74          | 19.24         | 134.30        | 116.09        | 51.99         |
| Total levies                | 93.94         | 94.04         | 79.02         | 89.50         | 113.31        | 97.22         | –             | –             | 89.61         |
| User charges                | 2.42          | 5.40          | 7.44          | 2.40          | 2.78          | 17.14         | 32.43         | 11.99         | 5.11          |
| Miscellaneous revenue       | 5.95          | 17.01         | 1.81          | 7.51          | 2.62          | 4.65          | 22.14         | 4.83          | 8.00          |
| Indirect government funding | –             | –             | –             | –             | –             | –             | 0.76          | –             | 0.01          |
| <b>Total</b>                | <b>145.22</b> | <b>221.82</b> | <b>107.87</b> | <b>139.57</b> | <b>119.45</b> | <b>138.25</b> | <b>189.64</b> | <b>132.90</b> | <b>154.73</b> |

(a) Time series financial data are adjusted to 2015-16 dollars using the General Government Final Consumption Expenditure (GGFCE) chain price deflator (2015-16 = 100) (table 2A.48).

(b) Figures vary from year to year as a result of abnormal expenditure related to response to specific major emergencies.

(c) Financial and activity data are affected by the reporting scope of each jurisdiction's 'fire service organisation'. See table 9A.3 for details for the scope of agencies' reporting.

(d) Population data used to derive rates are as at 31 December. Estimated Resident Population (ERP) data for 2004 to 2010 are final, based on the 2011 Census of Population and Housing. Estimates for September quarter 2011 onwards are preliminary. See chapter 2 (table 2A.2) for details.

(e) Jurisdiction notes:

NSW: From 2009-10 data include funding for the Department of Environment, Climate Change and Water.

Vic: From 2006-07 data include funding and expenditure for the Department of Environment and Primary Industries (DEPI) (now DELWP).

2008-09 data include a significant increase in government grants due to emergency funding arising from the Black Saturday Bushfires.

Table 9A.30 **Fire service organisations' funding per person (2015-16 dollars) (a), (b), (c), (d)**

|  | <i>NSW</i><br>(e) | <i>Vic</i><br>(e) | <i>Qld</i><br>(e) | <i>WA</i><br>(e) | <i>SA</i> | <i>Tas</i> | <i>ACT</i><br>(e) | <i>NT</i> | <i>Aust</i> |
|--|-------------------|-------------------|-------------------|------------------|-----------|------------|-------------------|-----------|-------------|
|--|-------------------|-------------------|-------------------|------------------|-----------|------------|-------------------|-----------|-------------|

Qld: Revenue represents funding for the Queensland Fire and Emergency Services (excluding State Emergency Service costs) following the transfer of some functions and assets to the Public Safety Business Agency on 1 November 2013. The 2014-15 results reflect the first full year following the transfers. In addition, from 1 July 2014 the Office of the Inspector General Emergency Management is no longer part of the Queensland Fire and Emergency Services and is reported as a separate entity. The 2015-16 and 2014-15 results are therefore not comparable to prior years..

WA: DFES provides a wide range of emergency services under an integrated management structure. Data for 2006-07 and subsequent years cannot be segregated by service and include SES and volunteer marine services as well as fire. Data for the Department of Parks and Wildlife are not included.

ACT: In 2006-07 funding was included under 'miscellaneous revenue' for the placement of an Ericson sky crane in the ACT as part of the National Aerial Firefighting Strategy.

– Nil or rounded to zero.

Source: State and Territory governments (table 9A.4); ABS (unpublished), Australian Demographic Statistics, Cat. no. 3101.0 (table 2A.2).; ABS 2016, Australian National Accounts: National Income, Expenditure and Product, June 2016, Cat. no. 5206.0 (table 2A.48).

# All jurisdictions — contextual and other information

Table 9A.31 **Communications and dispatching systems**

|                                  | <i>NSW</i>           | <i>Vic (a)</i>                                  | <i>Qld (b)</i>                         | <i>WA</i>                                 | <i>SA (c)</i>             | <i>Tas (d)</i>                       | <i>ACT (e)</i>      | <i>NT (f)</i>                  |
|----------------------------------|----------------------|---|--|---|---------------------------|--------------------------------------|---------------------|--------------------------------|
| <b>Development stage</b>         | Operating CAD system | Operating                                       | Operating                              | Operating                                 | Operating                 | Operating                            | Operating           | Operating                      |
| <b>Agency involvement</b>        | Fire Brigades        | Metropolitan Fire and Emergency Services Board  | Queensland Fire and Emergency Services | Department of Fire and Emergency Services | Metropolitan Fire Service | Tasmania Fire Service (all brigades) | ACT Fire and Rescue | Fire and Rescue                |
|                                  | Rural Fire Service   | Country Fire Authority                          |  | Fire and Rescue Service                   | Country Fire Service      |                                      | Rural Fire Service  |                                |
|                                  |                      | SES   |  | SES                                       | SES                       |                                      | SES                 | TES                            |
|                                  |                      | Police  |  |   | Police                    |                                      |                     | Police                         |
|                                  |                      | Emergency Services Telecommunications Authority |  |   |                           |                                      |                     |                                |
| <b>Future agency involvement</b> | Complete             | Complete  | Complete                               | Complete                                  | Complete                  | Complete                             | Complete            | Complete                       |
| <b>Coverage</b>                  | Statewide            | Melbourne Metropolitan                          | Statewide                              | Statewide                                 | Statewide                 | Statewide for each service           | Territorywide       | Darwin emergency response area |
|                                  |                      | Inner Country                                   |  |   |                           |                                      |                     |                                |
|                                  |                      | CFA Statewide                                   |  |   |                           |                                      |                     |                                |
|                                  |                      | SES Statewide                                   |  |   |                           |                                      |                     |                                |

**CAD** = computer aided dispatch.

- (a) Vic: Further development includes technological enhancement of mobile data terminals for all services and an automatic vehicle location system for police, the SES and fire services.
- (b) Qld: The roll out of a new single state-wide CAD system across all ambulance and fire communication centres was completed in 2008-09.
- (c) SA: MFS manage Call, Receipt and Dispatch for SES and both Fire Services.
- (d) Tas: The CAD system is routinely upgraded to enhance service delivery by taking advantage of a range of technological innovations.
- (e) ACT: Common CAD system.
- (f) NT: Communications and "000" dispatch are provided by PFES Joint Emergency Services Communications Centre.

**Source:** State and Territory governments (unpublished).

Table 9A.32 Treatment of assets by emergency management agencies (a)

|   |                      | <i>NSW (b)</i>       | <i>Vic</i>               | <i>Qld</i>           | <i>WA</i>  | <i>SA</i>     | <i>Tas</i>                    | <i>ACT (d), (e)</i> | <i>NT</i>     |
|---|----------------------|----------------------|--------------------------|----------------------|--|---------------|-------------------------------|---------------------|---------------|
| <b>Depreciation method</b>                  | Depreciable assets   | Straight-line        | Straight-line            | Straight-line        | Straight-line  | Straight-line | Straight-line                 | Straight-line       | Straight-line |
| <b>Revaluation method</b>                   | Land                 | Fair or market value | Deprival or market value | Fair or market value | Market Value & Hypothetical Alternate Land Use Value | Market value  | Fair value or historical cost | Market value        | na            |
|   | Buildings            | Fair or market value | Deprival or market value | Fair or market value | Depreciated Replacement Cost                         | Market value  | Fair value or historical cost | Market value        | na            |
|   | Other assets         | Fair or market value | Deprival or market value | Fair or market value | Historical cost                                      | Market value  | na                            | na                  | na            |
| <b>Frequency of revaluations</b>            | Land, buildings      | 3 years              | 1–5 years                | 1–5 years            | 1 years  | 2 years       | 5 years                       | 3 years             | na            |
|   | Other assets         | 5 years              | 1–5 years                | Annually             | na   | 2 years       | na                            | na                  | na            |
| <b>Useful asset lives (c)</b>               | Buildings            | 40 years             | 12–66 years              | 15–80 years          | 40 years   | 40–50 years   | 33–100 years                  | 30–40 years         | 40 years      |
|   | Specialist equipment | 10 years             | 2–50 years               | 3–20 years           | 10–15 years  | 10–20 years   | 5–25 years                    | 10 years            | 5–10 years    |
|   | IT equipment         | 3 years              | 3–5 years                | 3–5 years            | 3 years  | 5 years       | 5–10 years                    | 4 years             | na            |
|   | Other vehicles       | 3–5 years            | 2–20 years               | 2–10 years           | 5–20 years   | 15–20 years   | 5–10 years                    | 7–15 years          | 5–15 years    |
|   | Office equipment (f) | 5–10 years           | 2–20 years               | 3–10 years           | 10–15 years  | 10 years      | 3–10 years                    | 7 years             | na            |
|   | Other equipment (g)  | 5–10 years           | 3–20 years               | 3–10 years           | 5–15 years   | 10 years      | 3–10 years                    | 10 years            | na            |
| <b>Threshold capitalisation levels (\$)</b> | Buildings            | 10 000               | All                      | 10 000               | 5 000  | 10 000        | 1 000                         | 5 000               | na            |
|   | IT equipment         | 10 000               | 1 000                    | 5 000                | 5 000  | 10 000        | 1 000                         | 5 000               | na            |
|   | Other assets         | 10 000               | 1 000                    | 5 000                | 5 000  | 10 000        | 1 000                         | 5 000               | na            |

(a) Market value is the current (net) value market selling price or exchange value; deprival value may be either the depreciated replacement cost of an asset of a similar service potential or the stream of its future economic benefits.

(b) The assets used by the NSW Rural Fire Service are largely vested in Local Government. Accordingly, although issues such as asset depreciation and useful lives may be guided by Service policies, Local Government policies will prevail in other areas.

(c) Estimated as 1/depreciation rate. Asset lives for some assets have been grouped with other classifications.

(d) The recognition threshold for the revaluation of assets is \$500 000.

(e) Treatment includes all four response agencies: the ACT Fire and Rescue, the ACT Rural Fire Service, the ACT State Emergency Service and the ACT Ambulance Service. Assets have been manually apportioned. Apportionment process varies from previous years.

Table 9A.32 Treatment of assets by emergency management agencies (a)

|   | <i>NSW (b)</i> | <i>Vic</i> | <i>Qld</i> | <i>WA</i> | <i>SA</i> | <i>Tas</i> | <i>ACT (d), (e)</i> | <i>NT</i> |
|---|----------------|------------|------------|-----------|-----------|------------|---------------------|-----------|
| (f) For some jurisdictions, office equipment includes furniture and fittings. |                |            |            |           |           |            |                     |           |
| (g) For some jurisdictions, other equipment includes information technology.  |                |            |            |           |           |            |                     |           |
| <b>na</b> Not available.  |                |            |            |           |           |            |                     |           |

*Source*: State and Territory governments.