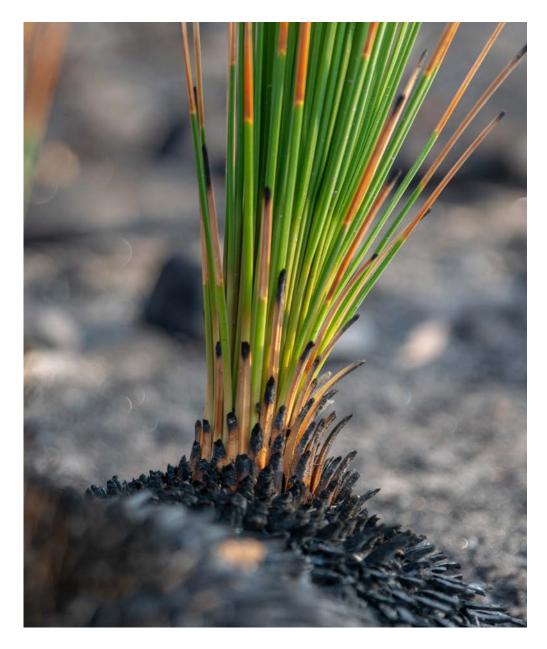


Contents

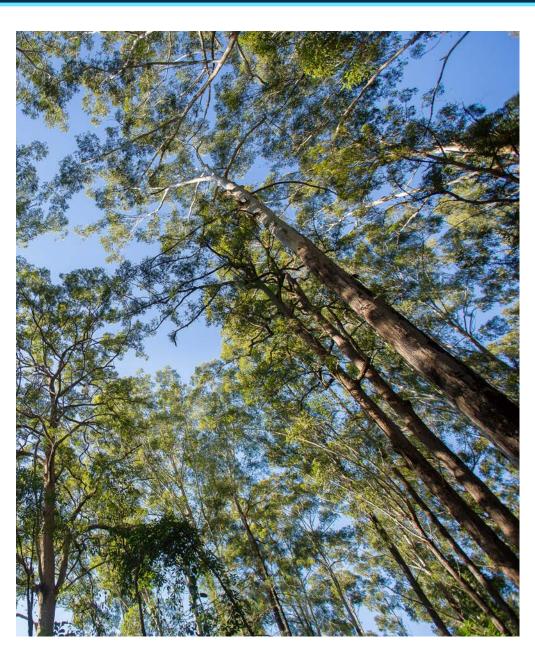
Our commitment	6
Our purpose	7
Scope of this strategy	8
Principles	10
Challenges	11
Protecting human health	11
Degradation of our environment	11
Ecologically sustainable development	12
Resource recovery and reducing waste	13
Climate change	14
Environmental crime	15
What we do and how we do it	17
We act to address issues and create solutions	18
Influence outcomes	18
What we require	19
How we monitor	19
We enforce the requirements	20
We listen to the community and our stakeholders	20
We enable others to protect the environment and human health	20
We educate the community to protect the environment and human health	21
Who we work with	23







Our commitment



We are committed to becoming a world-class regulator through:

- an outcomes focus this means we focus on the impact of what we, industry and the community do, rather than just on setting and following rules. Focusing on impact is essential to making sure we are delivering public value by improving environmental and human health outcomes
- being **service-oriented** bringing community, government, industry and other stakeholders together to solve problems, responding in a timely manner to requests, queries and incidents, and communicating clearly and respectfully with meaningful content
- a learning mindset continuously developing and building expertise to improve how we regulate and tackle environmental and human health problems
- being responsive and adaptive listening, identifying and responding to risks and opportunities to reduce or prevent harm using contemporary tools, technology and data
- being purpose and people centred our purpose informs everything we do - healthy environments, economies and communities.

We are committed to continual improvement of our regulatory approach.

We will make changes to improve our services and regulatory processes over time

We will plan, carry out and then measure the success or otherwise of a change to ensure that it results in a better outcome.

Our purpose

Our purpose is to provide public value by improving outcomes for the environment and human health.

We are responsible for regulating using a suite of legislation which establishes a strong basis for environmental regulation that is outcomes focused, proactive and contains appropriate compliance mechanisms.

We use innovative and effective tools that combine enforcement and education, business and community partnerships and economic mechanisms, to address challenging environmental issues.

We aim to assess the greatest risks and address the biggest impacts to human health and the environment.

We focus our regulatory activities to achieve the best outcomes.



Scope of this strategy

This Regulatory Strategy sets out:

- our objectives and our commitments
- the principles that guide our work
- our regulatory challenges
- what we do and how we do it
- who we work with.

This Strategy is connected to the corporate EPA Strategic Plan and links to other important EPA policies, strategies and plans.



How the Regulatory Strategy fits into the big picture

Strategic Plan 2021–2024

New EPA Strategic Plan launched in the third guarter of 2021.

Regulatory Strategy

Regulatory **Policy**

Regulatory Policy to be in force in the third quarter of 2021. Will replace current Compliance Policy.

Prosecution Guidelines

New guidelines commenced in 2020.

Figure 1 - Context of the Regulatory Strategy

The Regulatory Policy sits under this Strategy and explains how we identify appropriate regulatory actions and apply a fit-for-purpose regulatory response to an environmental issue or non-compliance, based on relevant factors

We use a range of approaches from education and influence to enforcement and punitive actions to protect the environment and human health.



Principles

We are guided by the principles of ecologically sustainable development (section 6 of the Protection of the Environment Administration Act 1991). which apply to our work through provisions in the legislation we administer

We apply the precautionary principle. Scientific uncertainty is not a reason for the EPA to not act to prevent harm or future harm to the environment or human health. In applying this principle, we will assess and evaluate the risks to the environment or human health.

We act to safeguard inter-generational equity. We aim to ensure the environment is maintained or enhanced for the benefit of future generations. We support traditional custodians retaining connection to Country.

We act to conserve biodiversity and ecological integrity. We aim to protect and restore the quality of the environment for our native plants, animals and ecosystems.

We encourage businesses to include environmental factors in the cost of goods and services. Businesses should understand and properly

consider that the cost of minimising environmental harm is part of the cost of producing goods and providing services.

We apply the 'polluter pays' principle. Those who generate pollution and waste should pay for it.

We apply a risk-based approach to regulation. This helps us make informed decisions and focus our regulatory activities on the biggest risks to the environment and human health

We use evidence as the basis for our decisions and actions, and to help solve environmental problems and regulatory challenges.

This is informed by sound science - research, environmental monitoring, technical expertise and partnering with other research bodies, the community, government and experts.

We use intelligence-led regulation, based on data and insights from which we draw to inform our regulatory policies, programs and actions. This helps us focus our efforts on current and emerging risks and opportunities to achieve the best possible outcomes.



As the state's primary environmental regulator, we are faced with complex issues that span local, state and national boundaries. We will continually adapt our approach to these challenges in order to achieve the best possible outcomes for the people of NSW and the generations to come after us.

Protecting human health

The environmental issue

Human health and wellbeing are linked to the state of our environment. The quality of our air, water, and surroundings, as well as what makes up our food and the built environment all have an impact on our physical and emotional health. Many factors can pose a risk to human health, such as exposure to physical, chemical, biological, and radiological contaminants in the environment including from:

- air quality impacts from industries, dust and woodsmoke
- the use of pesticides and herbicides
- the use and storage of hazardous chemicals
- legacy and emerging chemicals

The regulatory challenge

Protecting human health is a role of the EPA that is shared with our partners in NSW Health, SafeWork NSW, Department of Primary Industries, the planning sector and local government. The challenge for the EPA and our partners is that many substances that are potentially harmful to human health have legitimate beneficial uses such as in construction, manufacturing, agriculture, health services and in our homes. There are also substances we use now or were used in the past that are harmful to human health if the right precautions aren't taken. New substances are being used or developed every year, and new industry processes are adopted. With this fast pace of innovation, sometimes there is limited scientific understanding or community awareness of the potential health impacts of these substances.

To protect human health the EPA will:

- provide practical advice about contaminants in the environment to protect human health
- act early, in accordance with precautionary principle, to changing and emerging scientific knowledge to use our regulatory powers to respond to potential risks
- drive the research agenda partnering with education and research organisations on priority human health issues
- partner with others to monitor and identify emerging harmful substances.

Degradation of our environment

The environmental issue

Human development is a major cause of environmental degradation. It's depleting and degrading natural resources, harming ecosystems, causing the loss of biodiversity and creating pollution. NSW has the highest population of any state in Australia (estimated at over 8 million as of June 2020) and is projected to increase. The potential environmental impacts of an increasing human population include:

- an increase in water pollution that can affect ecosystem services such as our water quality, inland river health, the condition and extent of wetlands, coastal estuaries and marine environments
- impacts on our air quality
- changes in land use which can cause soil degradation
- demands and impacts on surface and groundwater resources and urban stormwater
- loss of biodiversity from changes to natural ecosystems through agriculture, native forestry, industry and an increase in the footprint of urban areas and transport routes.

The regulatory challenge

NSW faces the challenge of ensuring the increasing consumption of energy, water and land does not continue to negatively impact on our environment and natural resources. We need to keep pace with the demands for development and use of natural resources and understand the impacts of these demands on the state of the environment.

Protecting the environment is an EPA role shared with our partners in the Department of Planning, Industry and Environment, other government regulators and agencies, as well as local government.

To protect the environment the EPA will:

- act early, in accordance with precautionary principle, to changing and emerging scientific knowledge to use our regulatory powers to respond to potential risks
- drive the research agenda, partnering with government, universities and other research organisations on priority environmental issues
- partner with others to monitor degradation of the environment and identify emerging issues
- create and act on opportunities to restore and enhance the environment
- use our powers to prevent and reduce harm from the impacts of an increasing human population.

Ecologically sustainable development

The environmental issue

Ecologically sustainable development is "development that meets the needs of the present without compromising the ability of future generations to meet their own needs" (World Commission on Environment and Development, 1987).

Environmentally sustainable development requires a balance in the way the environment is used for commercial, social, residential and recreational purposes now and into the future. It is a constant challenge to balance the need to build homes, service communities, operate

businesses and transport, retain natural spaces and protect the environment and our health. Land-use consent can be for development that has a high environmental impact (for example that is likely to generate air, water or noise pollution or could cause land contamination), located in or near an environmentally sensitive area (for example a wetland), in an area of cultural or heritage significance (for example an Aboriginal place or object) or in an area that may affect threatened species, populations or communities. The environmental impacts of multiple land-use decisions can accumulate and become more significant over time. Competing or differing views on land-use decisions can result in land-use conflict.

The regulatory challenge

We are guided by the principles of ecologically sustainable development including intergenerational equity as set out in section 6 of the *Protection of the Environment Administration Act 1991*. The need for ecologically sustainable development requires regulation to carefully balance the protection of the environment with development and land-use needs. Local, state and Commonwealth governments all play a role in making decisions about land use within the planning and development system. Sometimes the EPA may be able to give advice on how to protect the environment before a land-use decision is made, and sometimes we have a role in regulating an activity after another government body has made a land-use decision.

To play our part in ensuring the environment is maintained or enhanced for the benefit of future generations we will:

- provide environmental expertise to decision-makers before development consent is provided
- promote better practices to protect the environment and human health in planning and development
- advocate for the environment to be properly considered in every land-use decision and that consent authorities, businesses and organisations use best practice to consider and address air and water quality, noise, waste, land contamination and any substances harmful to human health

- contribute to the land-use planning and development system to reduce land-use conflict, increase regulatory certainty for industry and improve the quality of life of the NSW community
- act to protect, restore and enhance the environment when we have a role in regulating an activity after another government body has made a land-use decision

Resource recovery and reducing waste

The environmental issue

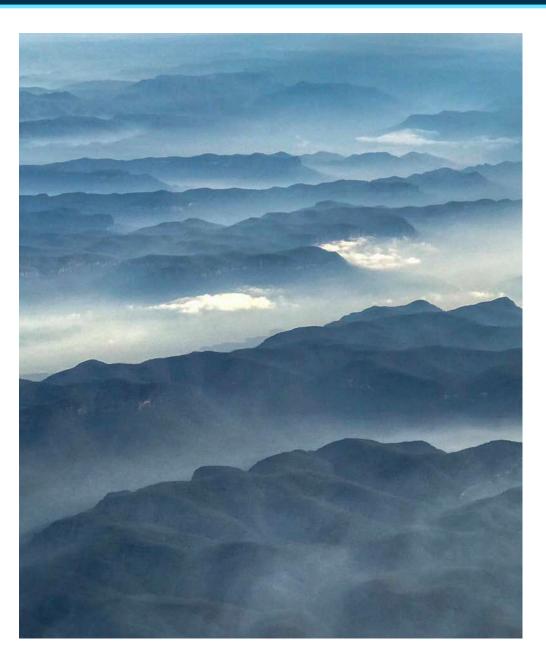
Over-consumption and the increasing generation of waste as the global population and living standards rise is a worldwide issue. Governments and communities at all levels are racing to transition to a truly circular economy where waste is valued as a resource and materials are reused and recycled. This creates sustainable opportunities for jobs and industry, and reduces the harmful impact of unsustainable resource consumption, waste disposal and littering.

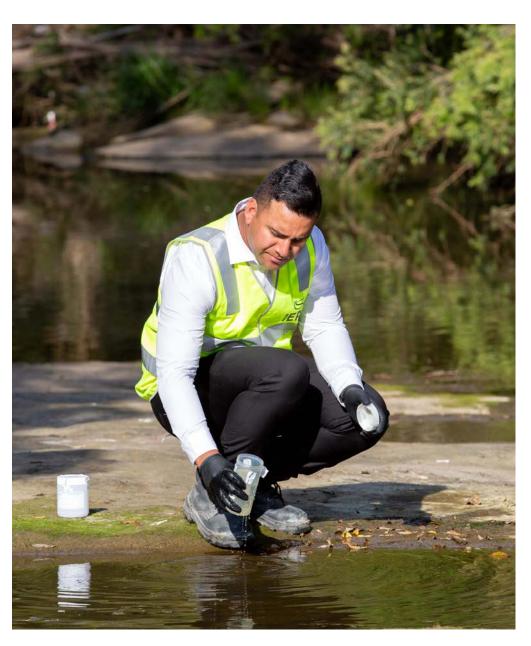
The regulatory challenge

Individuals, businesses and governments of all levels around the world have a role to play in supporting the circular economy to reduce waste and pollution. The challenge for regulation within a circular economy is to ensure that regulatory approaches support industry and innovation in the reuse and proper disposal of waste, while also not compromising on the measures in place to safeguard the environment and human health.

To ensure our regulatory approaches support the reuse and proper disposal of waste we will:

- address the whole system, from minimising waste generation through to helping create sustainable markets for recycled materials
- work with all levels of government, industry, the community, research and science sectors to drive future waste management and resource recovery.





Climate change

The environmental issue

Climate change is a global challenge. It is driving a change in global climate conditions, including extreme weather events and disasters such as heatwaves, dust storms, droughts, floods, bushfires and storms. We see the impacts of climate change in NSW and Australia on a regular basis, such as the devastating bushfires in NSW during the summer of 2019–2020. Globally, we need to reduce greenhouse gas emissions to reduce the negative impact of a changing climate on the environment and communities.

The regulatory challenge

The EPA doesn't regulate all the factors that contribute to climate change. We are working collaboratively to achieve net zero emissions by 2050 and to make NSW more resilient to a changing climate under the NSW Climate Change Policy framework.

During crises like the bushfires and floods, the EPA plays an important role in emergency response by assisting in and regulating environmental factors during clean-up actions. There are often higher risks to human health and the environment due to these catastrophic events; for example, the need to clean up asbestos after the devastating 2019–2020 bushfires.

To make the most of the important part we play in the solution we will:

- aim to influence the NSW whole-of-government response to climate change
- encourage industry to plan and act to address climate change risks
- lead specific programs, including ensuring NSW achieves net zero emissions from organic waste by 2030
- report on progress through the NSW State of the Environment Report to ensure transparency to achieving net zero emissions by 2050

- partner with other government agencies, peak bodies and research organisations to find and progress solutions
- monitor and enforce measures to reduce greenhouse gas emissions that are within our regulatory control
- use the approaches and tools available to us to promote reduction of carbon and greenhouse gas emissions and climate change resilience
- encourage major industries to change their behaviour to help the NSW Government achieve net zero emissions by 2050, by proactively reducing their greenhouse gas emissions, and planning, adapting to and mitigating the risks of climate change.

Environmental crime

The environmental issue

Some individuals and corporate entities wilfully or recklessly do the wrong thing for personal gain, either to make a profit or to avoid paying for pollution for which they are responsible. In some cases, this wrongdoing is so significant it amounts to an environmental crime. This can result in serious harm to the environment, such as land and water contamination from illegal dumping or improper transport and storage of harmful substances.

The regulatory challenge

Despite the significant environmental and human health harm that can result from wilful wrongdoing, detecting environmental crime and identifying who is responsible is immensely difficult.

The full force of the law is needed to target deliberate and criminal non-compliance with strong regulatory responses.

To ensure the EPA can move quickly and effectively in cracking down on environmental crime, the EPA will:

• continuously improve our ability to detect crime, including empowering the community to be involved, sharing information and cooperating with other regulators, government departments, and law enforcement agencies

- invest in training, technology and operational tools to enhance our intelligence, surveillance and investigation capabilities
- use the full suite of our regulatory powers, including prosecution.

Other environmental and human health risks for regulation are:

- · diffuse sources of pollution and waste
- the use, storage and transport of hazardous chemicals and dangerous goods
- cumulative impacts from widespread sources
- threats to native flora and fauna from unsustainable forestry practices
- threats to native flora and fauna from extreme weather events (e.g. bushfires, floods)
- legacy contaminated sites
- new and emerging contaminants.



The EPA has a balanced regulatory approach with eight elements. We consider these elements as a whole and individually. To find out more about each element of our approach you can look at the Regulatory Policy on our website from September 2021. We may use one or more of these elements at the same time, in any combination or in any series (depending on the individual circumstances or the type of environmental issue). We use a fit-for-purpose approach. In everything we do we aim to assess the greatest risks and address the biggest impacts to human health and the environment. We focus our activities to achieve the best outcomes.

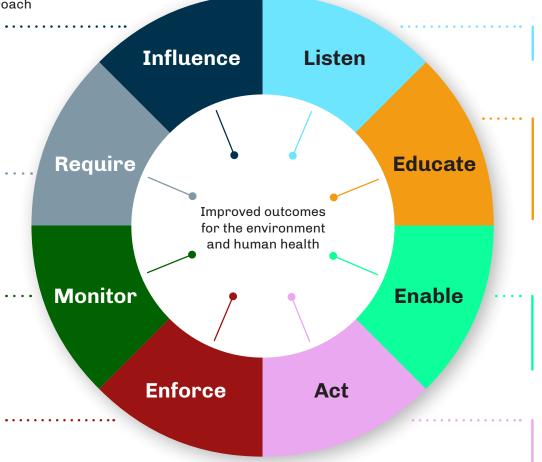
Figure 2 - The EPA's regulatory approach

We influence people, businesses, government, research and science to make changes for better environmental and human health outcomes. We encourage change and innovation through partnerships and collaboration. We provide incentives for people and businesses to protect. restore and enhance the environment

We require compliance with obligations - under legislation, regulatory instruments, licences, duties, mandatory training and accreditation.

We monitor the state of the environment and monitor compliance against legal obligations. We investigate environmental issues and non-compliance.

We use our powers to compel people and businesses to achieve compliance with their legal obligations when needed.



We listen and actively engage with people to understand the issues affecting them and their ideas for addressing the issues.

We educate community, industry and government about environmental and human health issues. We empower the decision-making of others to take environmental outcomes into account in their businesses and practices. We provide guidance about how people or industry can meet or exceed their legal obligations.

We enable the people of NSW - we inform the community about what we do and how we do it. We assist individuals, businesses, co-regulators and we partner with industry and government to protect, restore and enhance the environment.

We act to investigate and solve problems by engaging with the community, partnering with research organisations, industry and government, using our investigation powers, developing policy and programs, using science and research and undertaking regulatory reform.



We act to address issues and create solutions

We will act to investigate environmental issues. Protecting, restoring and enhancing the environment requires more than regulatory compliance. We are committed to working with others to understand and address environmental issues and be part of the solution by:

- using a place-based approach considering cumulative impacts on water catchments, airsheds, climatic and geographic regions as a whole and working with our co-regulators (local government and others) and local communities
- considering regulatory improvements and reform ensuring we have the regulatory frameworks, interventions and safeguards to be effective
- being informed by sound science we will obtain, require, commission, promote and encourage the latest science and research to help solve problems
- leveraging data as a strategic asset to ensure we have the evidence and insights to anticipate future risk and lead interventions
- **encouraging innovation** by creating opportunities to test new ideas, assess their effectiveness, and improve environmental outcomes.

Influence outcomes

We are an outcomes-focused regulator. Where we don't have direct regulatory control, we will influence outcomes using a range of interventions and advocate for the protection of the environment and human health to be properly considered in behaviours and decisions made by communities, industry, co-regulators and other government agencies.

For example:

• We work with our regulatory partners (planning, local government, other agencies) to influence their activities under environment protection legislation so they are informed by EPA expertise.

- We provide financial and other incentives for businesses that do the right thing and improve their environmental performance.
- We encourage changes in behaviour to protect the environment through means such as grants, education campaigns and engaging our stakeholders
- We influence significant land-use planning decisions to advocate for better environmental outcomes

What we require

We lead the state in protecting the environment by administering key environment protection legislation in NSW.

The EPA has responsibilities and functions under a range of legislation. The list of Acts administered by the EPA is available on the EPA website.

We use regulatory instruments under each framework, including licensing, control orders, approvals, codes of practice and management plans.

Examples of other specific requirements include:

- Landowners have a duty to report contamination under the Contaminated Land Management Act 1997 (CLM Act).
- Mandatory training is required for some pesticide users and dangerous goods drivers.
- We have an accreditation scheme for consulting radiation experts who verify the safety of radiation equipment. We also work with accredited site auditors who independently review work done by contaminated land consultants

How we monitor

We protect the environment and human health by monitoring the state of the environment and monitoring compliance with our requirements. This allows us to identify issues and opportunities to prevent harm and enhance the environment

To protect the environment, we must be informed about the state of it and industry performance.

For example:

- The Upper Hunter Air Quality Monitoring Network provides air quality data in a region with a high concentration of industrial activities.
- We require sewage treatment plants to monitor water quality to maintain and restore the health of our waterways.
- We monitor compliance with legislation, licences and other requirements using a variety of compliance tools, including inspections, audits and investigations. More information on these tools will be available on our website from mid-2021

We monitor the environment to understand changes in environmental indicators over time

For example:

- We use campaigns to monitor environmental issues that may be widespread or emerging. These campaigns involve inspections, surveys, audits, investigations and education. They provide an opportunity for us to raise awareness about our requirements, good behaviours and best practices.
- We investigate alleged incidents of environmental harm and/or whether an offence has occurred under environment protection legislation.

We enforce the requirements

We may take enforcement action to compel people, businesses and public authorities to meet their legal obligations when requirements are not followed. Enforcement may include addressing the non-compliance, fixing the problem and treating the harm.

For example:

- We enforce the risk-based licensing framework to make sure we identify and target the highest environmental risks.
- We issue prevention notices to prevent harm, clean-up notices to reduce harm and stop-work orders to prevent breaches.
- We require some businesses and public authorities that have an environment protection licence to complete pollution studies and pollution reduction programs. These help us understand and reduce the environmental impacts of certain activities.
- When necessary, we will use the full force of the law and may prosecute people, businesses and public authorities (refer to our Prosecution Guidelines). This could involve penalties, court orders or civil proceedings.

We listen to the community and our stakeholders

We listen to the needs of the people of NSW. We actively engage with stakeholders to understand and act on what we hear so we can achieve better human health and environmental outcomes. We respond to feedback provided to us.

For example:

- We listen to the views of local communities about local issues.
 We help communities engage with their industrial neighbours,
 key stakeholders and us on these issues through coordinating community groups.
- We recognise the importance of listening to and working with Aboriginal communities and organisations on environmental issues

- that matter to them and giving them a genuine voice in decision-making in response to issues.
- We listen to interest groups discussing the environmental issues they are passionate about.
- We regularly seek the views of the community, industry and government through the EPA stakeholder survey and EPA roadshows.
- We partner with others to increase our knowledge, strengthen our insights, expand our reach and create environmental solutions needed for today and the future.
- We partner with others to listen to our youth and promote awareness of environmental protection when they start their employment, trades and businesses.

We enable others to protect the environment and human health

We can better protect the environment by enabling communities to meet their legal obligations and improve their environmental performance. We assist people to understand what they need to do to help protect the environment and human health and why that is important for the people of NSW, now and in the future.

For example:

- We assist individuals, businesses and co-regulators to understand what they need to do to protect, restore and enhance the environment.
- We enable the protection or restoration of the environment through grants.
- We support the regulated community and co-regulators through capacity building and training.
- We assist the regulated community to improve compliance, particularly with requirements that are new or are not well understood

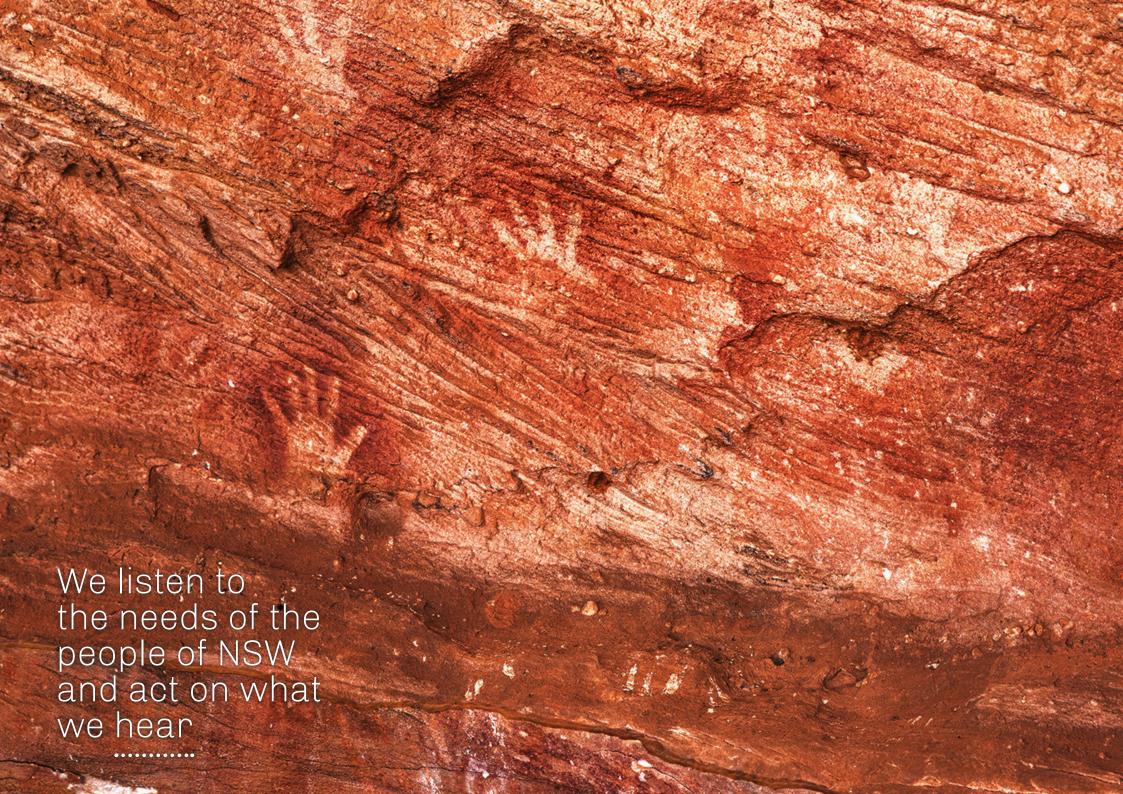
We educate the community to protect the environment and human health

We have an important role in educating and upskilling the community, industry and government to prevent and reduce harm to the environment and human health. We empower the decision-making of others to take environmental outcomes into account in their businesses and practices and enhance our environment through information and awareness raising. We provide guidance about how industry can meet or exceed its legal obligations.

For example:

- We inform the NSW community, industry and government about what we do and how we regulate.
- We provide public education and awareness programs about human health and environmental issues to empower decision-making and drive change.
- We inform industry about its legal obligations and good practice to improve environmental performance beyond compliance to restore and enhance the environment.





Who we work with



Local government and local land managers

We partner with local government and Aboriginal communities and organisations to protect the environment and human health, engage with local communities and solve problems.



Other regulators

We partner with other regulators to identify and solve environmental problems, improve regulatory practice and reduce regulatory overlap.



Government and research organisations

We partner
with government,
research
organisations,
universities and
peak bodies to
identify current and
future problems and
develop environmental
solutions using
the best available
science.



Industry and the regulated community

We work
with industry on
modern
best-practice
solutions to issues.
We work with the
regulated community
to help deliver
better outcomes.



Communities

We work with and empower communities to understand the environmental issues affecting those communities and what they need from us or others to protect and restore the environment.



Interest groups and NGOs

We work with interest groups and NGOs to understand and gain important insights about the environmental issues they are concerned about and how it will inform our work.

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Published by:

NSW Environment Protection Authority

4 Parramatta Square

12 Darcy Street, Parramatta NSW 2150

Locked Bag 5022, Parramatta NSW 2124

Phone: +61 2 9995 5000 (switchboard)

Phone: 131 555 (NSW only – environment information and publications requests)

Fax: +61 2 9995 5999

TTY users: phone 133 677, then ask

for 131 555

Speak and listen users:

phone 1300 555 727, then ask for 131 555

Email: info@epa.nsw.gov.au Website: www.epa.nsw.gov.au

Report pollution and environmental incidents

Environment Line: 131 555 (NSW only) or info@epa.nsw.gov.au

See also www.epa.nsw.gov.au

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