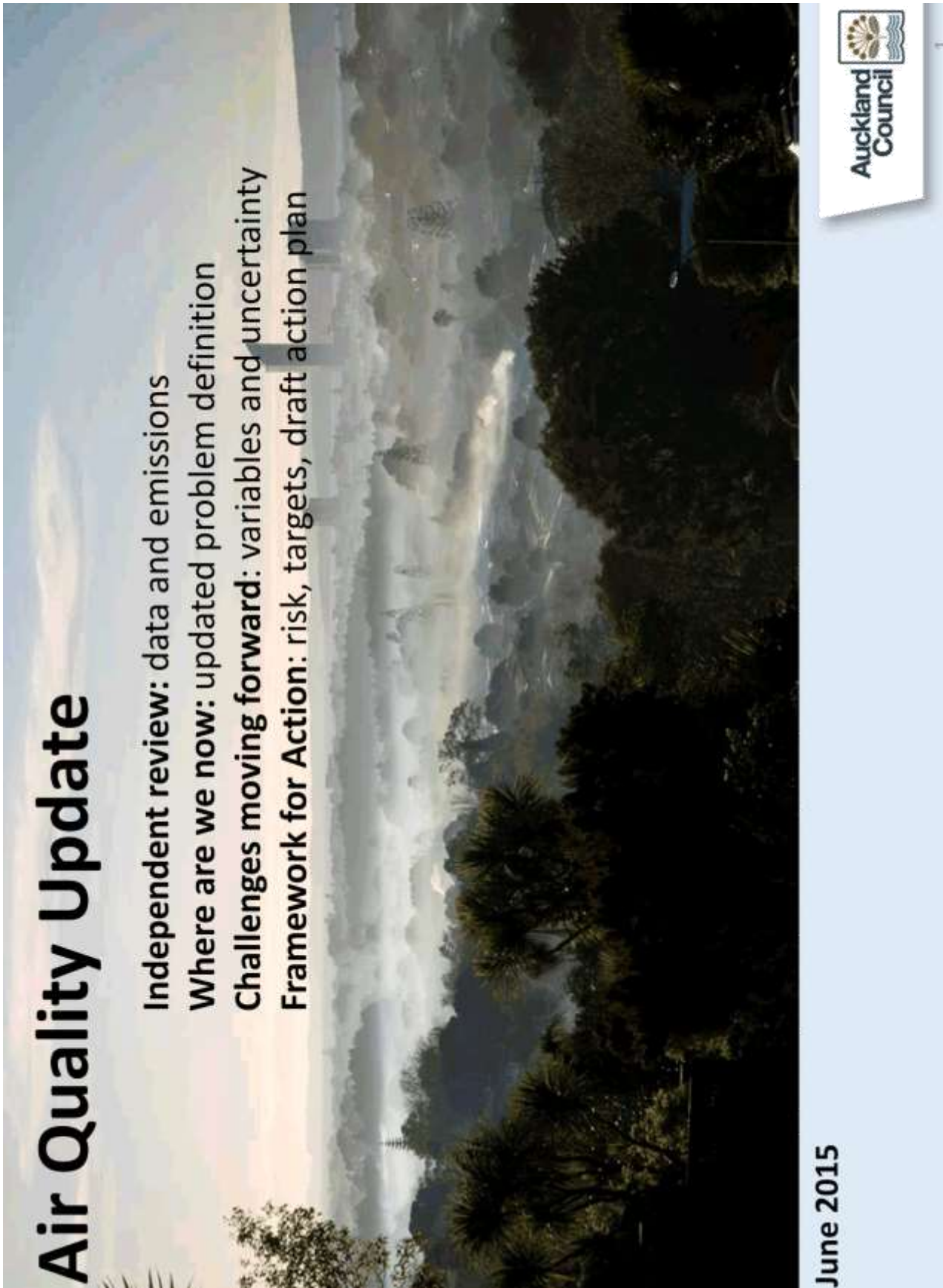


Date: Wednesday 3 June 2015
Time: 9.30am
Meeting Room: Room 1, Level 26
Venue: 135 Albert Street
Auckland

Regulatory and Bylaws Committee

OPEN MINUTE ITEM ATTACHMENTS


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A.	3 June 2015, Regulatory and Bylaws Committee, Item 9 - Air Quality Update Presentation	3



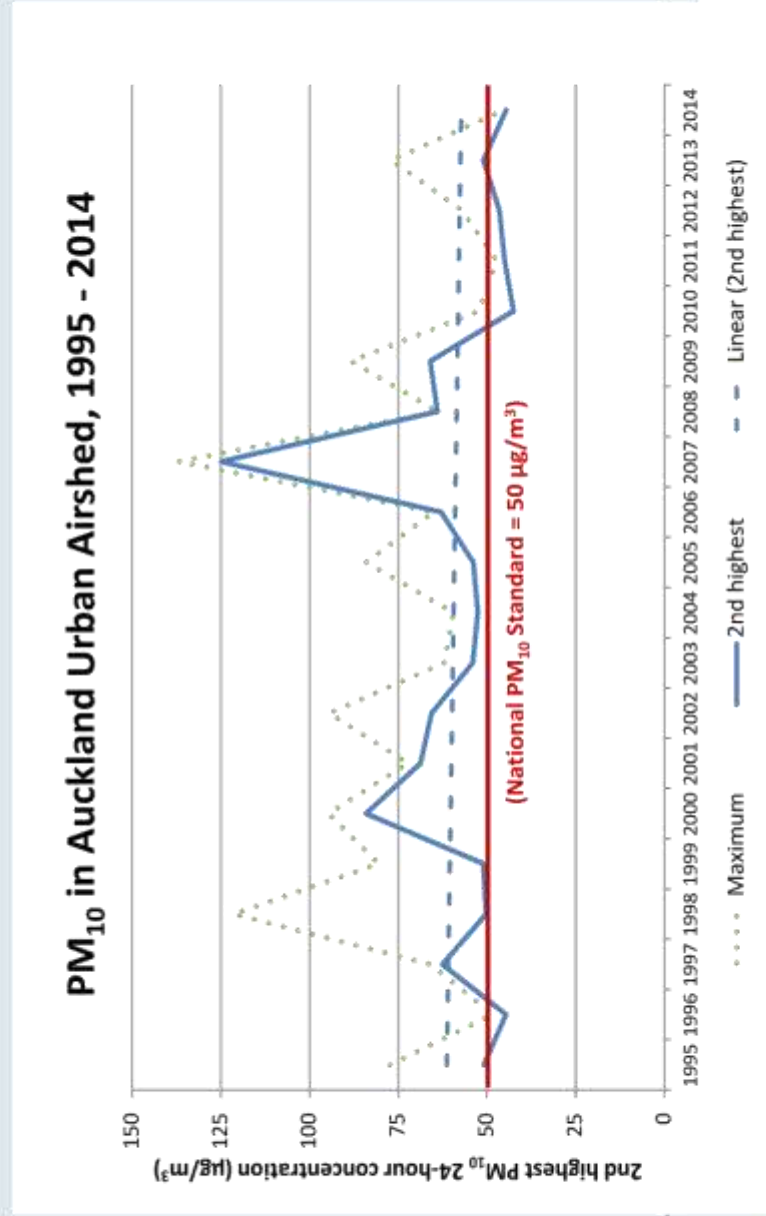
Air Quality Update

Independent review: data and emissions
Where are we now: updated problem definition
Challenges moving forward: variables and uncertainty
Framework for Action: risk, targets, draft action plan

June 2015



Air Quality Problem: where are we now
Level and number of exceedances have significantly declined over the past 10 years



Impacts: Not just about compliance

- Adverse health effects from pollution
- From health outcomes perspective there is no “safe” level of PM₁₀ pollution
- Pollution levels lower but more people exposed
- Ongoing impact on industry

Air Quality Problem: updated

Updated Auckland Urban Airshed emissions for 2006 and 2016

Tonnes/year	Urban in 2006	Urban in 2016
Domestic	1,290	830
Transport	1,100	964
Industry	212	173
Total (tonnes/year)	2,626	1,967



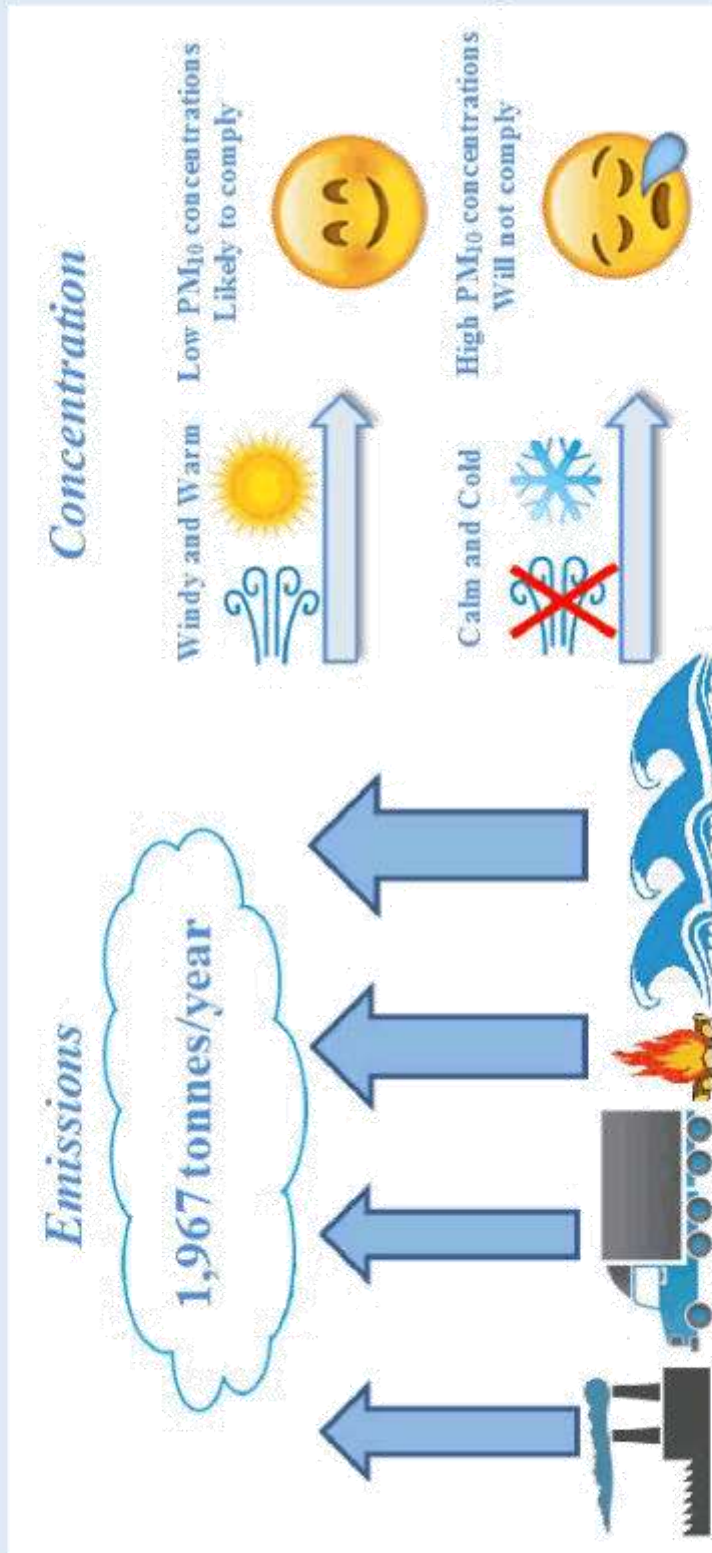
Challenge Moving Forward

Uncertainty about ongoing compliance with the national air standard

Actual PM₁₀ Levels & Scenarios Modelled



Risk Based Approach



Framework for Action

Level of intervention linked to level of risk

- Pragmatic, risk based
- Specific and measurable
- Iterative
- Communicate
- Collaborate



Draft Action Plan

Draft: Framework for Action:		Outcome: Reduction target:
Problem definition: Objectives:		Timing
Issues	Actions	
Risk based Approach	Workshop risk based approach to non-compliance Identify preferred risk based approach, target and confirm interventions	September 2015
Domestic fire emissions	Regulation: Develop Air Quality Bylaw that maintains operative rules in the Auckland Regional Plan: Air Land Water Investigate the feasibility and impacts of introducing point of sale rule and part of the bylaw Future proofing: Explore other regulatory measures and timing linked to exceedance data over time Voluntary: Increase the number of people voluntary switching to clean heat sources <ul style="list-style-type: none"> ▪ Commission market based research to identify what will assist people to switch(or prevents people form switching) to clean heat- including the impact of incentive schemes 	By September 2016 By December 2015
Transport Emissions	Continue to improve public transport options to reduce the percentage of the population using private vehicles Maintain plans to upgrade our public transport(i.e. electric trains, progressively converting buses) Future Proofing: Monitor growth related future emissions and potential actions and cost	Phased February 2016 Ongoing
Community Awareness	Increase awareness of Auckland's air quality problem and actively engage the community in actions and solutions including: <ul style="list-style-type: none"> ▪ Dry wood scheme: purchase, storage and use of dry wood ▪ Smokey vehicles and maintenance ▪ Benefits of home insulation and promotion of Auckland Council, government, social and health sector schemes 	Sustain 3-5 years Big push pre winter 2016 No budget-needs costing and agreed by December 2015
Collaborate	Engage the community, health and social providers about options for low income households to upgrade to clean heating Work with industry to consider the impacts of the National Air Quality Standard on their business	Ongoing
Monitor	Government plans to review the current National Standard for Air Quality Air quality monitoring (look at online, real time air quality data)	Watching brief
Research	Investigate what can be done about exceedances outside of the winter period and spot areas with high exceedances (i.e. Pakuranga) or hard to control (i.e. Shipping)	Ongoing

Next Steps:

- Workshop -risk based approach (targets, actions)
- Report action plan to Regional Strategy and Policy Committee
- Get on with approved bylaw and investigate point of sale rule to incorporate
- Commission market research
- Community cost awareness initiatives