

Victorian Energy Upgrades forum

Jeff Cefai, Director

Essential Services Commission

11 December 2019





Victorian Energy Upgrades forum agenda					
14:30	MC introductions (Jeff Cefai, Director) (5 mins)				
14:35	VEU program update (Jeff Cefai, Director) (15 mins)				
14:50	 Registry presentation (15 mins) Target days Evidentiary requirements Verifying duplicates 				
15:05	 Audit & Compliance presentation (15 mins) Compliance findings Audit & compliance complaints 				
15:20	 Technical Services Group presentation (15 mins) Approved products vs product usage analysis Project-based activities – uptake and predictions 				
15:35	 Planning & Development presentation (15 mins) Our engagement activities Our data analytics activities 				
15:50	Q&A session (10 mins)				
16:00	Afternoon tea and networking				
16:00	CLOSE				



How to:

- 1. Either open the web browser and go to <u>www.sli.do</u> or download the sli.do app.
- Enter the event code #VEU19 to join the event 'Victorian Energy Upgrades forum 11 December 2019'.
- You will now be able to type in and submit your questions. To prioritise your own or other people's questions, click the 'like' button that appears next to each question.
 Questions are sorted by their popularity, so the most popular ones appear on top.

2019 Program Update

- 1. 2019 in review
- The program by numbers
- Emerging issues including complaints
- 2. What's in store for 2020
- Prepare for the next phase of the program
- Administer the program in light of the program being in transition
- Continue to strengthen our risk-based and compliance-focused operational framework.





Program performance since 2009

4,478,013 4,312,605 165,408

total activities residential

nonresidential

4,027

approved installers







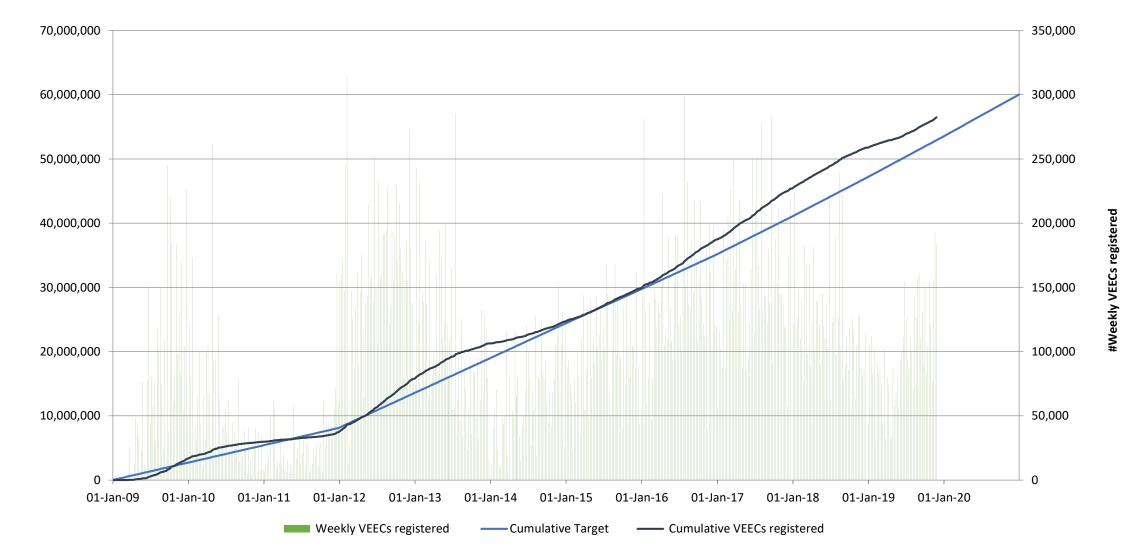
19,939

products approved





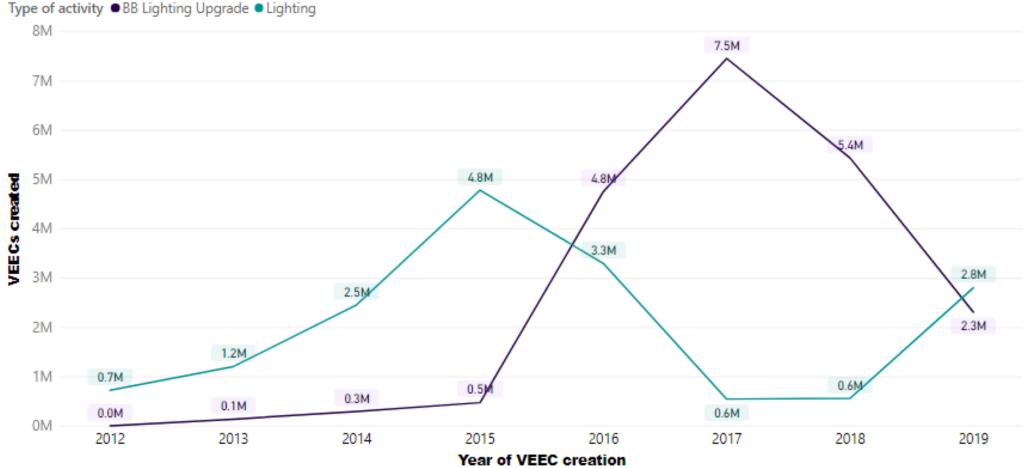
Registered VEECs



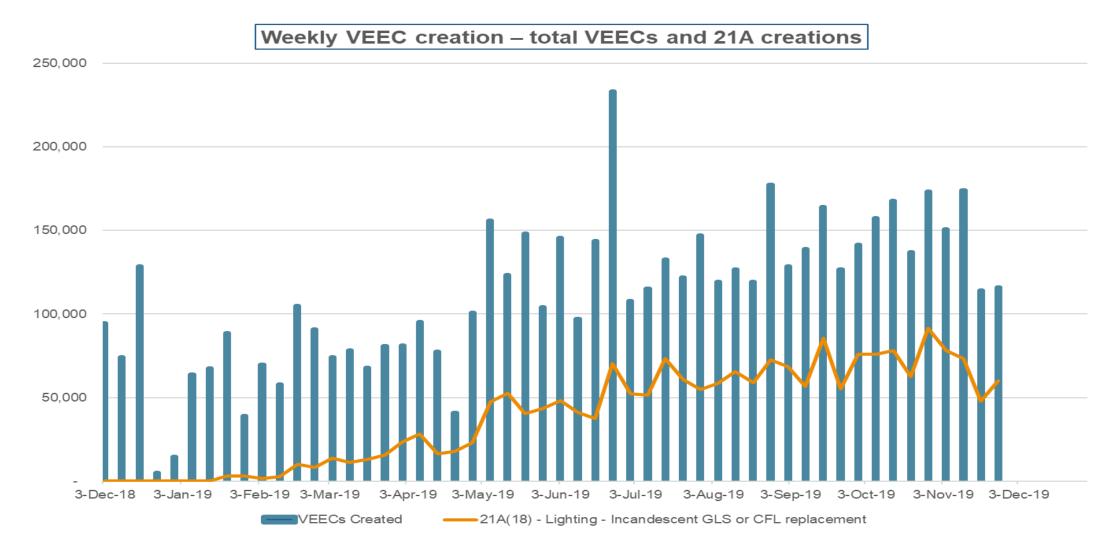
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Program performance – last 7 years

VEECs created from commercial and activity 21 lighting activities



Monthly VEECs created for activity 21A



VEU program update (Jan – Nov 2019)

Activity categories	No of installations	VEECs created
Lighting upgrade	357,153	2,807,637
BB lighting upgrade	9,010	2,315,284
Water heating	4,738	196,609
Refrigerator destruction	8,779	47,700
Shower rose	2,834	7,479
In-home display unit	1,234	2,922
Space heating	490	15,676
Weather sealing	198	752
HE refrigerated display cabinet	150	65,554
PBA activities	5	33,382
Public lighting	3	5,525
NBB lighting upgrade	2	970

Audit and stakeholder contacts (Jan – Nov 2019)



209 field audits





600 desktop audits



1,327 AP queries



53,657 VEECs surrendered from investigations and enforcement actions



1,267 consumer queries



311 complaints resolved

2019 Matters

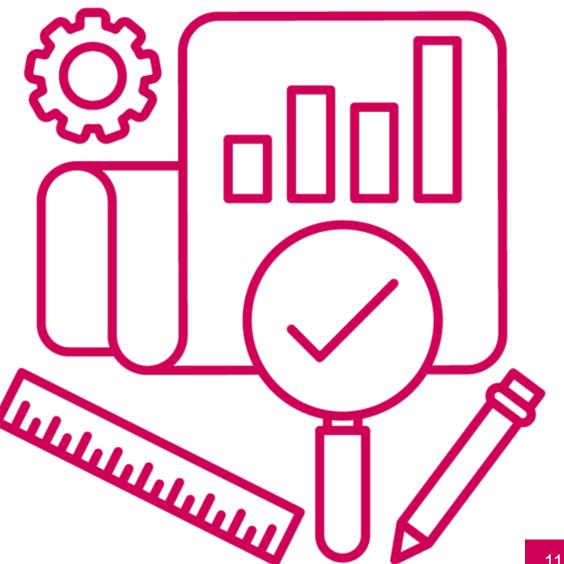
21A – use of omni-directional lighting and electricians

Building-based lighting activity guide

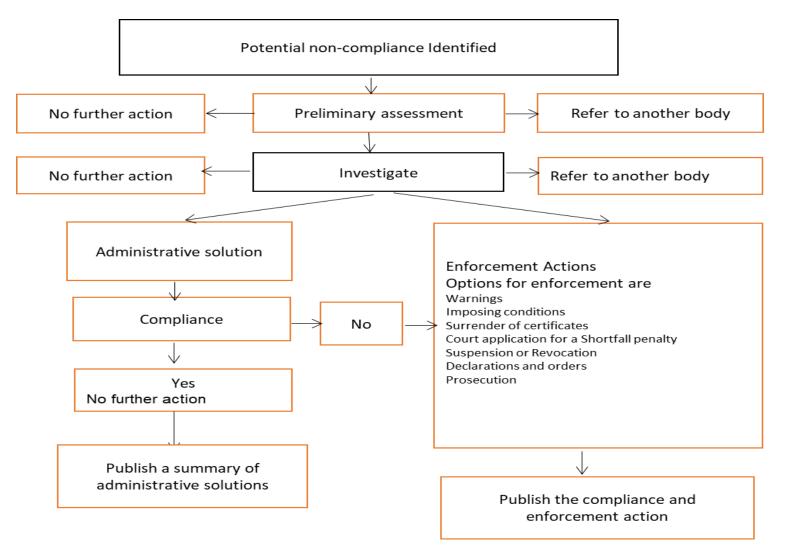
Compliance & enforcement

Recycling requirements; scheduled activity premises

Complaints



Compliance and Enforcement Pathway



2019 Matters

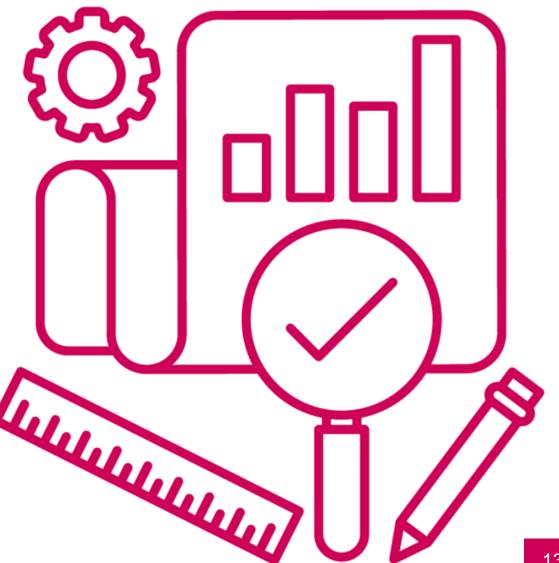
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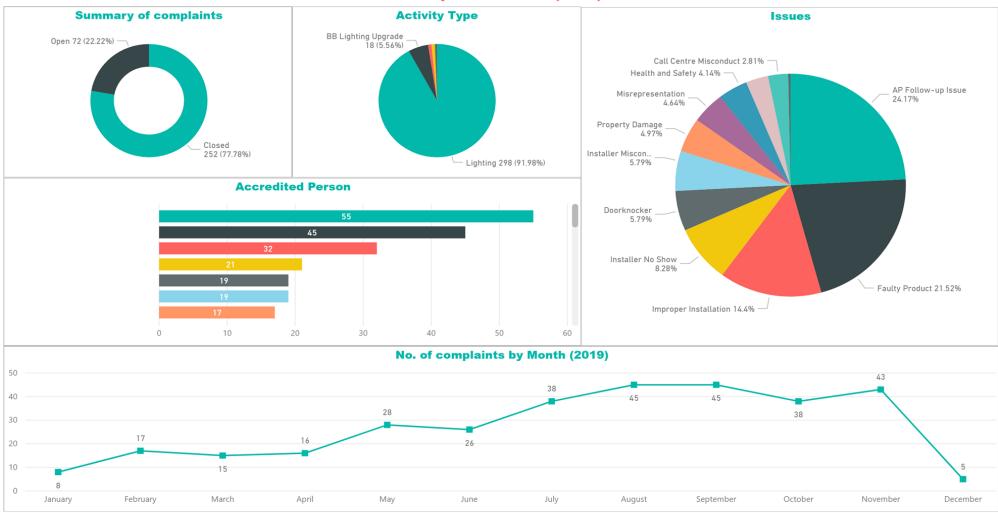
Compliance & enforcement

Recycling requirements; scheduled activity premises

Complaints

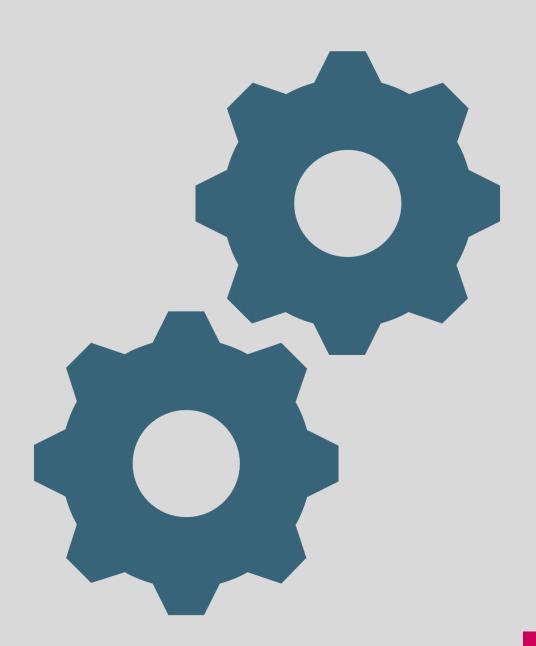


Complaints Dashboard



Complaints Raised (2019)







Accreditation and VEEC Assessments

Kate Keating, Manager

11 December 2019





Key achievements



Processed 90% batches within target timeframe



Completed > 100 first creation assessments

Consulted and introduced changes to flexible target days for Activity 34



Introduced automated RFI's

Supporting documentation



Provide all the supporting evidence requested



Evidence needs to meet compliance requirements



Obligations and program guide for Accredited Persons



Activity guides outline the requirements per activity

Supporting documentation – water heating



Supporting documentation – water heating



Supporting documentation – Photos

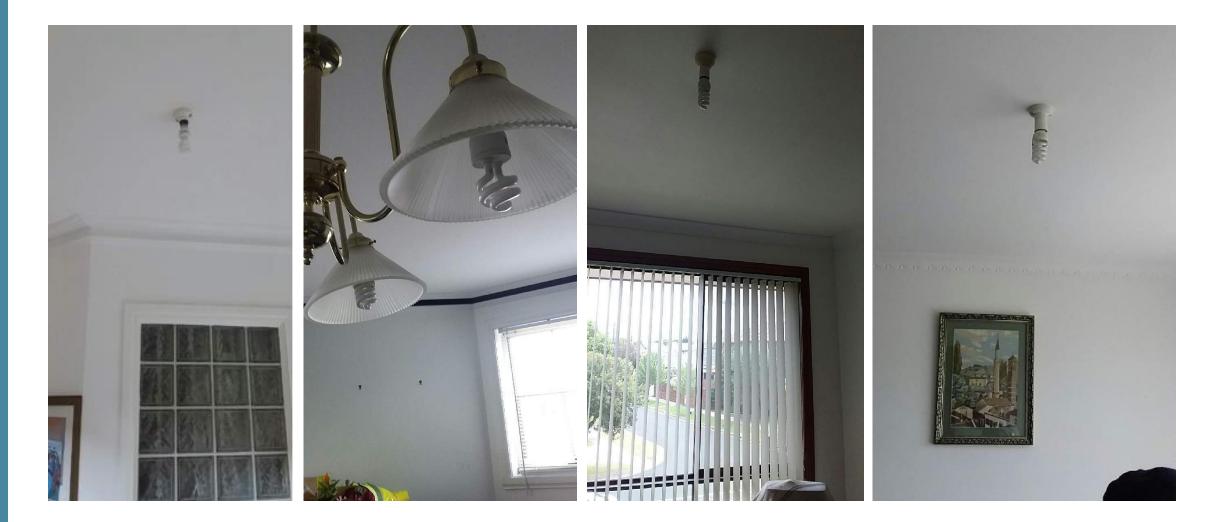








Supporting documentation – Photos



Verifying Duplicates



Duplicates flagged for same activity



AP must investigate duplicate and confirm reason with consumer



AP must provide valid justification and evidence upon request



Lighting assignment form 'total number of sockets in the premises'?

VEU Services

Date	
19 December 2019	Last day for invoicing for 2019
20 December 2019	Last day for VEEC registrations for 2019
24 December 2019 – 1 January 2020	VEU services not available*
2 January 2020 onwards	All VEU services resume



Audit and Compliance

Luli Zyka, Manager

11 December 2019





Main audit findings

Activity 21(A) – Incandescent lighting

Non compatible lamps installed onto dimmer circuits

Assignment form not provided to consumers

Spare lamps claimed as part of installation

Description of removed lamps in a pile not representative of amount/type of lamps claimed

Poor marketing practices (e.g. not adhering to 'Do not knock' signs)

Poor complaints handling process

Main audit findings

Activity 1- Water heating

froducts being upgraded

Geo-tagged photos not collected during installation

Activity 34 – building based lighting

Baseline manipulation

Use of extension leads on high bay installations

Enhanced baseline

•1 L	What	is it?	The use of double adaptor, extension cords and quick connect plugs to create a inflated baseline.
C	Ongoi	ng issue	Enhanced baseline concerns were communicated at the prior forum Multiple APs and sub-contractors were investigated in 2019 resulting in substantial VEEC surrender.
	Cause		Limited oversight of electricians/subcontractors Lack of AP field audits Poor compliance checks prior to VEEC creation.
×	How w	as it resolved?	Entire activity potentially deemed non-compliant resulting in VEEC surrender Electricians are reported to Energy Safe Victoria AP target dates are increased Potential enforcement action.
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Project based activities (PBA)





Assessments so far

PBA projects are assessed by A&C once the VEECs are created

Three projects assessed and endorsed by A&C

Observations

Project documentation failed to substantiate the savings calculated.

Use of renewable energy during baseline period not excluded in the energy savings



What we look for

Identification of independent variables and constants

Behavioral change during the baseline and operating periods and it's impact on energy savings

Evidence to substantiate baseline and operating period data

Assumptions made in the impact report and its validity

Nominal Lamp Power (NLP) Issues

Audit & Compliance have identified anomalies in NLP claimed for fluorescent lamps



Accredited persons are reminded that all activities submitted to the portal are supported by geotagged photos of the:





NLP of the approved upgrade product

The NLP column in the portal (column J) refers to the wattage of the lamp not the fixture



Moving forward, additional scrutiny for unusually high NLP claims.

Audit & Compliance complaints



Non-compliance: assignment forms not provided, installer conduct



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Customer service: warranty claims, no shows, incomplete upgrades

Activity 34 J6 program update

Program update sent to stakeholders 9 October 2019

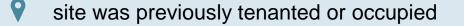
Two criteria for eligibility:

 \bigcirc Lighting upgrade is a part of a site refurbishment, and

work complies with Part J6 of the Building Code of Australia

VEU provided our position on meeting 'site refurbishment' criteria:

Renovation or improvement to existing site, and



Relevant entity (RE) compliance

- 28 Relevant entities in the 2018 compliance year
- Relevant entities surrendered 6,314,700 certificates
- One shortfall penalty notice was issued
- For the 2019 compliance year, 21 Relevant entities have nominated their auditor
- A Next due dates:
 - \rightarrow
- Approve auditor nominations by 31 December 2019
- Relevant entities to provide signed tripartite deed by 31 January 2020
- GHG factor for electricity is 0.17255 for 2020
- \mathbb{Q} GHG factor for gas is 0.00870 for 2020.



Technical Services Group

Andy Sharp, Manager

11 December 2019





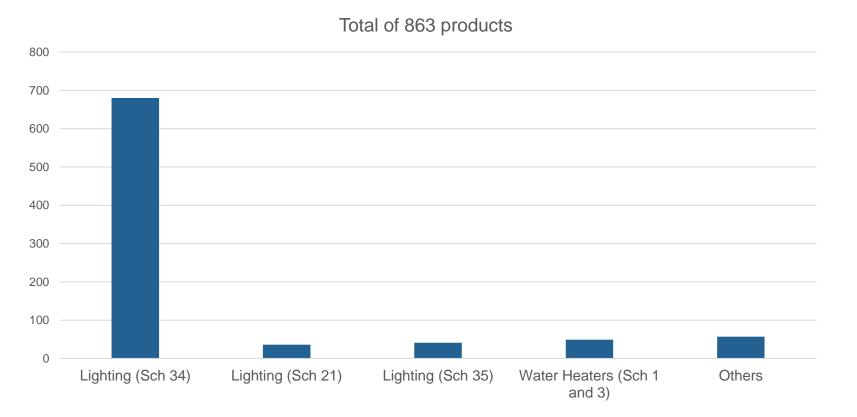
Product applications Approved products analysis

- 1. Product approvals breakdown
- 2. How we're managing the application queue
- 3. Product testing program



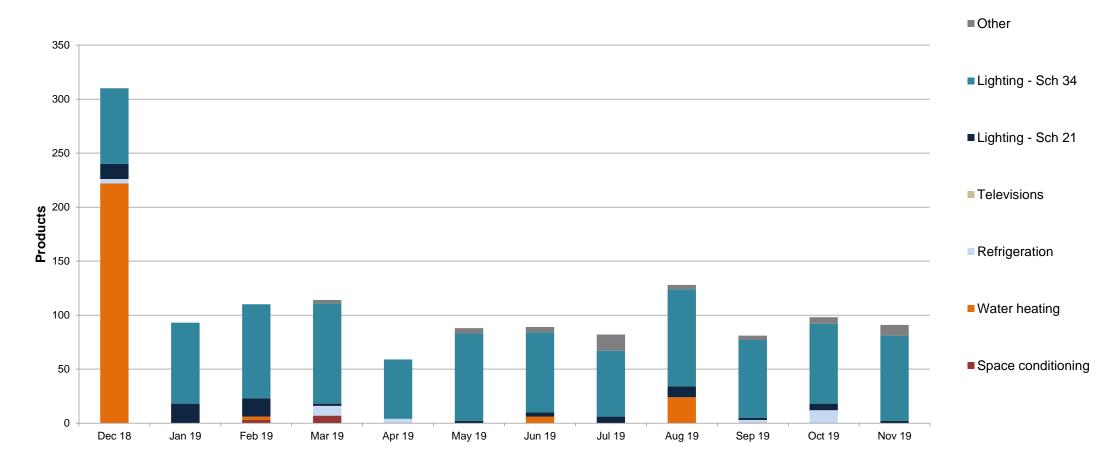
1. Product approvals

Products approved - 1 January 2019 to 6 December 2019



1. Product approvals

Products approved



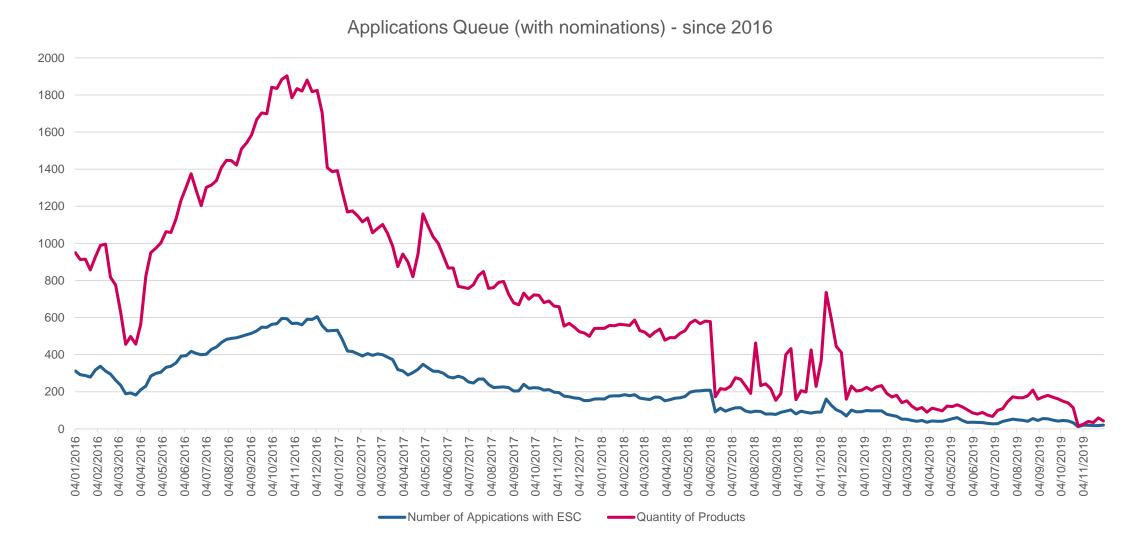
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2. How we're managing the application queue

Reminders:

- 1. Limit applications to two RFIs
- 2. Application will be withdrawn by us if no response to RFI within 40+ days
- 3. We only process (lighting) applications with nominations
- 4. We will RFI applications with no nominations within 40+ days

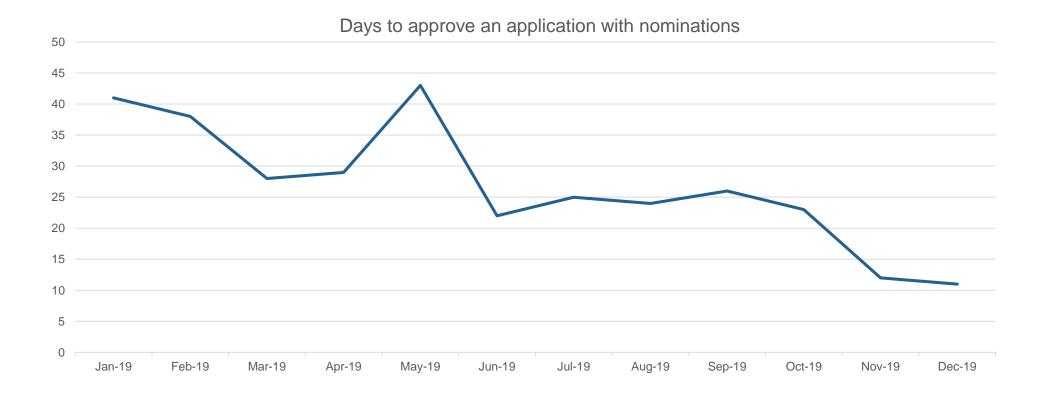
2. How we're managing the application queue



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2. How we're managing the application queue

Approval times – average queue age

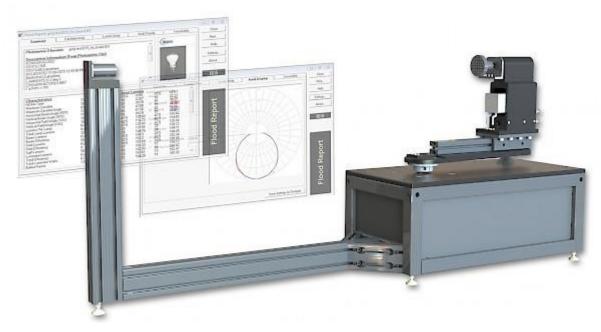


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3. Product testing program

Accredited performance testing

- Work with NATA-accredited laboratories
- Soon we will again request product applicants to submit selected lamps for testing
- Focus is on performance and validation against evidence provided at product registration



Project-based activities: uptake and predictions

- Which sectors are participating?
- What technology types have been used for PBA?
- Where are projects being undertaken?
- What is the level of participation and impact?



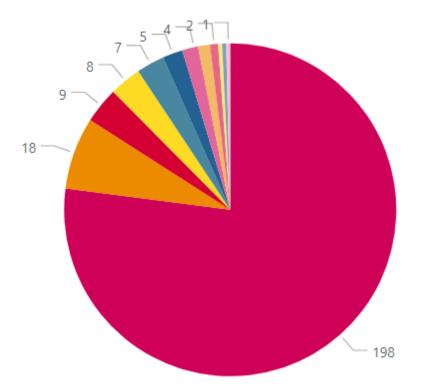
Current projects by sector

Sector

Retail Trade

Accommodation and Food Services

- Arts and Recreation Services
- Manufacturing
- Health Care and Social Assistance
- Information Media and Telecommuni...
- Transport, Postal and Warehousing
- Electricity, Gas, Water and Waste Servi...
- Commercial buildings
- Agriculture, Forestry and Fishing
- Education and Training
- Professional, Scientific and Technical ...

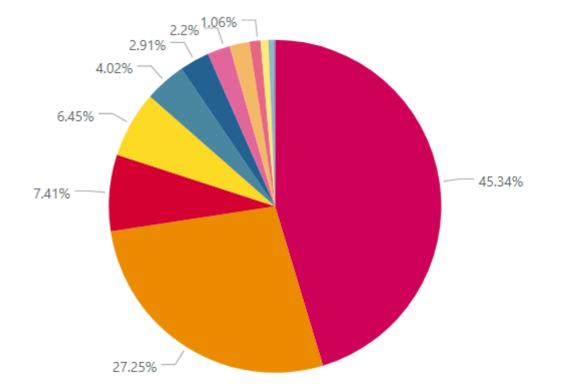


Current expected VEECs by sector

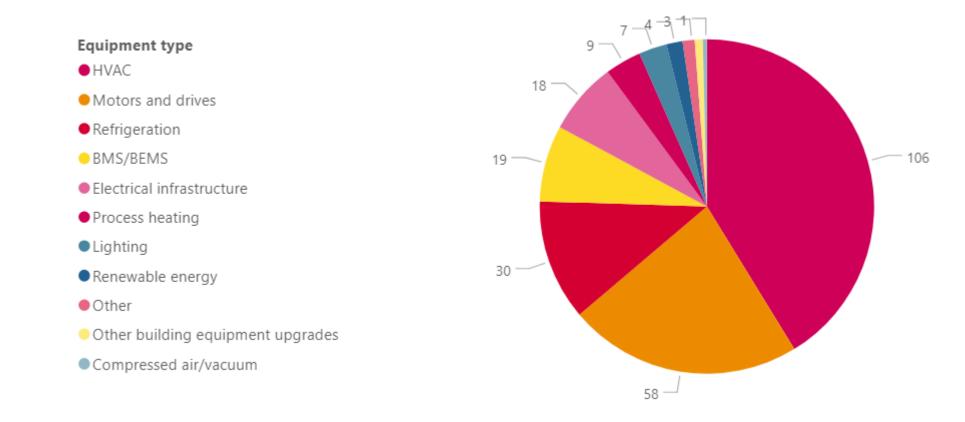
Sector

Retail Trade

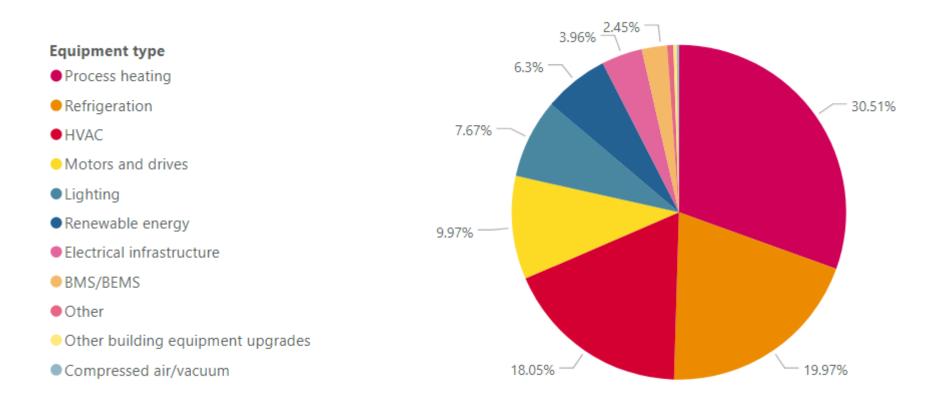
- Manufacturing
- Health Care and Social Assistance
- Transport, Postal and Warehousing
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- Arts and Recreation Services
- Information Media and Telecommuni...
- Accommodation and Food Services
- Electricity, Gas, Water and Waste Servi...
- Professional, Scientific and Technical ...
- Commercial buildings
- Education and Training



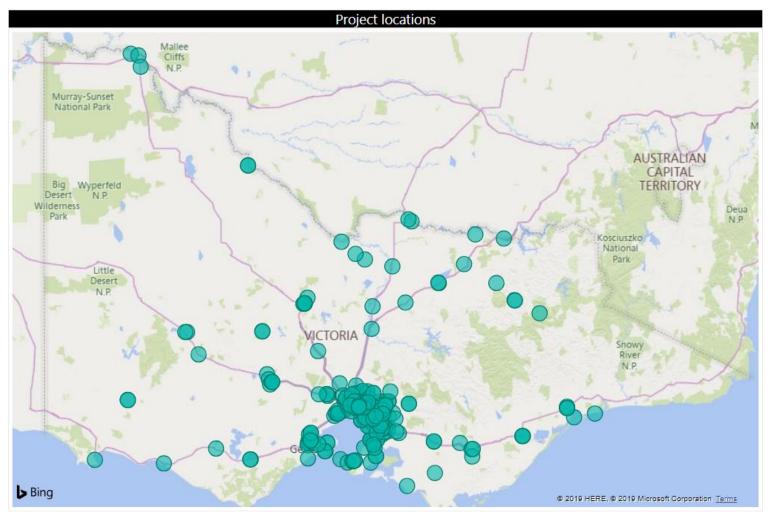
Current projects by equipment type



Current expected VEECs by equipment type



Where are projects being undertaken?

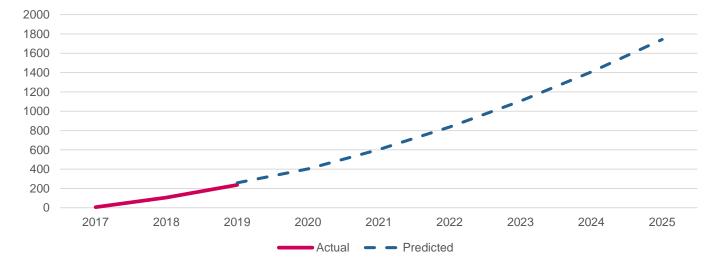


All information as at 4/12/2019 @ 05:00am

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What is the level of participation and impact?

- 222 project submissions so far since release (June 2017)
- Project numbers have increased year on year
- Currently have rates of 170 projects submitted per year
- Currently 16 APs approved for PBA of whom 11 have participated
- 8 multi-site projects since release (September 2019)
- 30,856 VEECs created*



Extrapolated PBA Project volumes

Current active projects		
ProjectStatus	No. projects	
Approved-In-Principle	71	
Conditionally Approved-In-Principle	134	
Incomplete	6	
Total	211	

Scoping plans		
Year	Submitted	Approved
⊞ 2017	3	2
⊞ 2018	49	48
⊞ 2019	170	161
Total	222	211

*Created VEECs are subject to potential audit prior to registration Victorian Energy Upgrades Forum - 11 December 2019



Planning and Development

Maureen Goey, Manager

German Ferrando-Miguel, Policy Lead

11 December 2019





Our engagement activities

Developed and released stakeholder engagement plan



Aim: Building relationships with stakeholders to:

Improve our reputation as regulator

Improve VEU compliance

Promote uptake of VEU activities

Leverage our information and experience to deliver better energy efficiency outcomes

Our engagement activities – Key priority initiatives

Bi-annual forums

Issue based workshops for existing/new stakeholders

 \mathbb{Q} Workshop for energy retailers

Engagement as part of IT system upgrade

Stakeholder survey

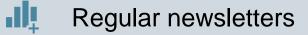
Log of decisions on website

Increased knowledge sharing on VEEC assessment rules

m Decision making training for staff

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Our engagement activities – Other planned initiatives





Articles in publications targeting new stakeholders

Building social media profile to highlight program



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Booths/presentations at conferences

Collaboration initiatives with DELWP



Data sharing initiatives with Vic Govt

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Our data analytics activities



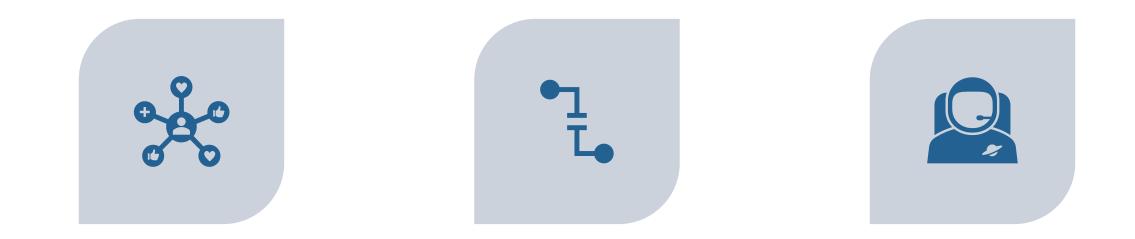
Building new dashboards

<u>VEU data dashboard published</u> Inter-agency dashboard Team based dashboards Risk based dashboards (e.g. activity 21A)

Building intelligence

Detailed risk profile of activities Effectiveness of our validation activities Linkages between products and non-compliance Potential impact of lighting phase out

Our regulatory change activities



COLLABORATING WITH DELWP TO DELIVER LARGE ENERGY USER AMENDMENT CHANGES WORKING WITH COMMONWEALTH CER TO UNDERSTAND AND LEVERAGE THE NGERS AND EITE DATASET PREPARING FOR NEXT PHASE OF PROGRAM (2021 TO 2025)

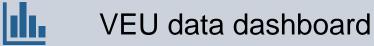




How can we engage better? Initiatives suggestions? Newsletter content suggestions?



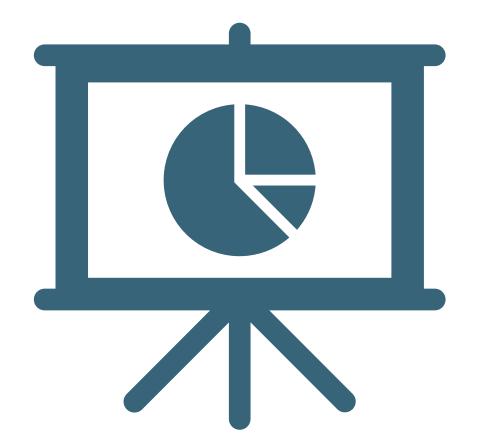
Involvement in our IT systems upgrade?





Email: veu@esc.vic.gov.au

Case Study – Activity 21A Risk Dashboard



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