

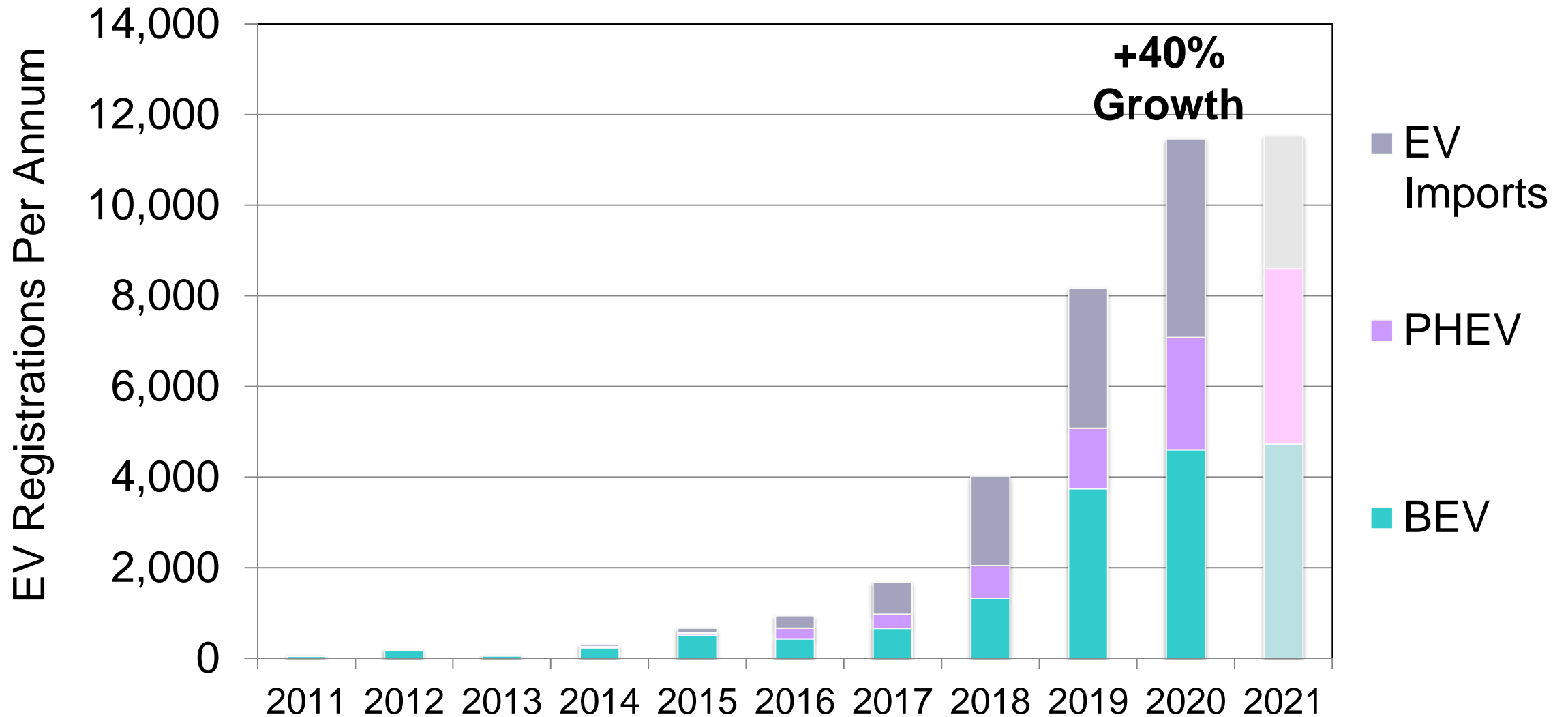
EV Apartment Charger Grant Support Scheme Consultation Event



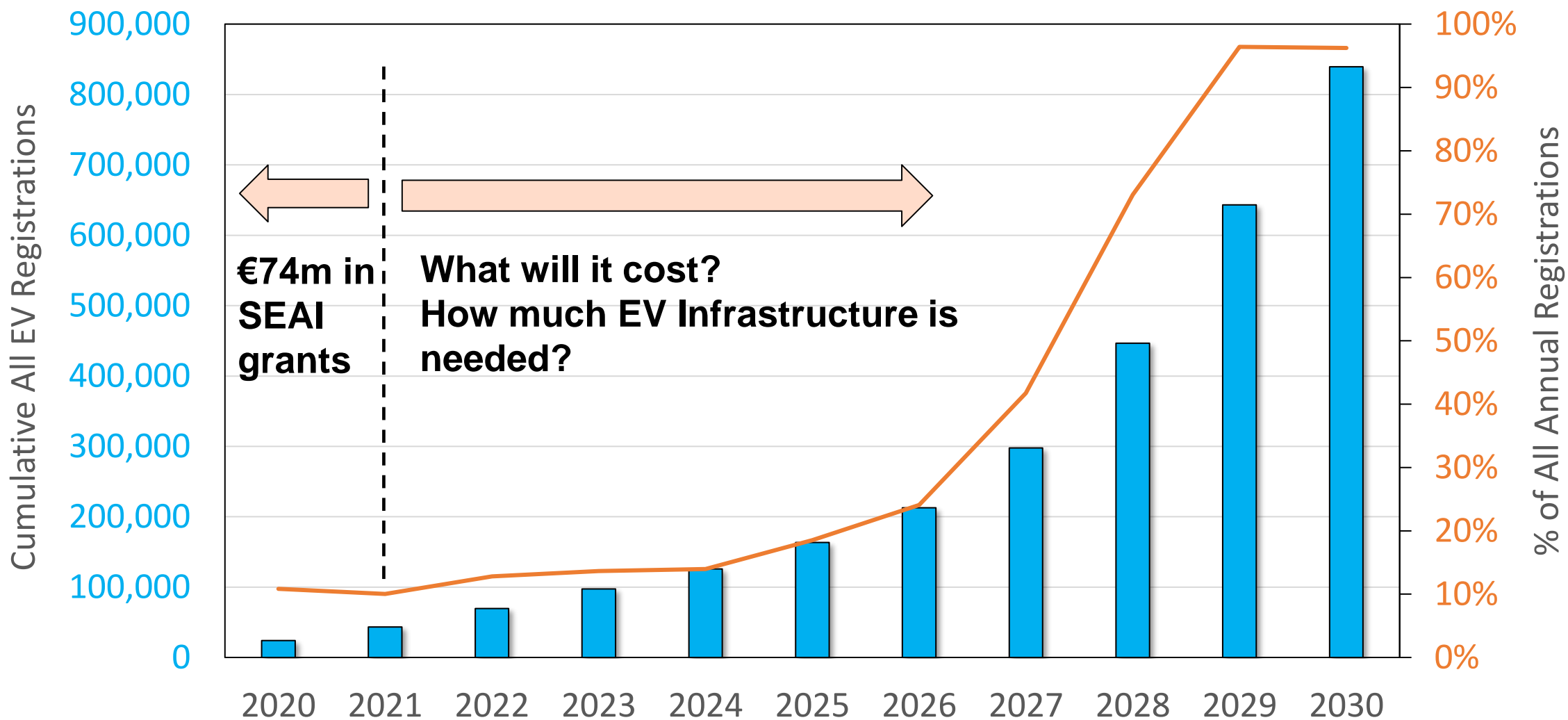
Graham Brennan & Robert Cazaciuc
5th August 2021

- 1) Challenges of Apartment Charging**
- 2) Proposed EV Apartment Charger Grant Scheme**
- 3) Public Consultation Feedback & Next Steps**
- 4) Q&A**

Number of EV cars on Irish Roads is now +35,000 as of end of June 2021



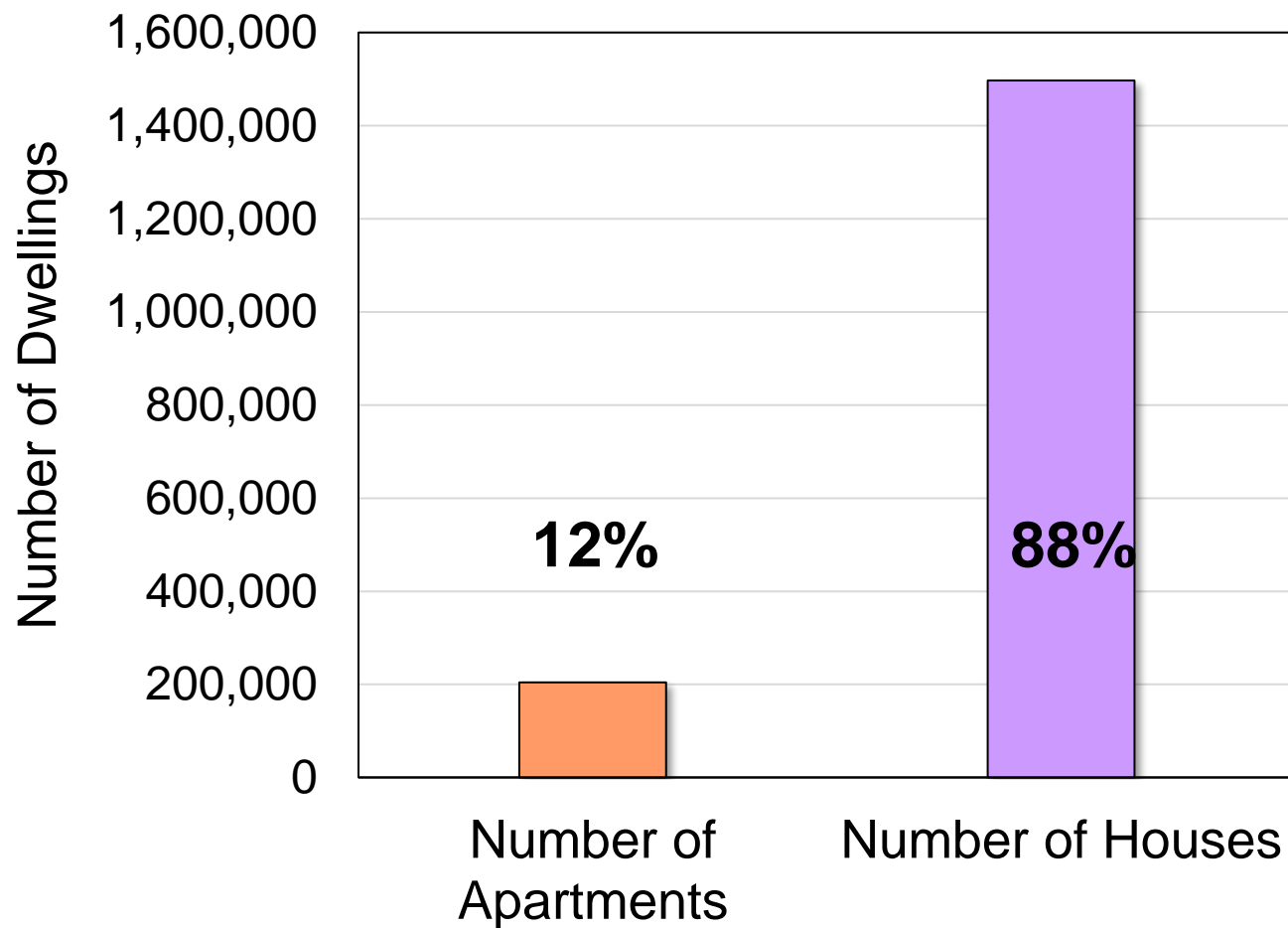
Reaching the 2030 EV Target – Car Stock and % of All EV Registrations (i.e. New + Import)



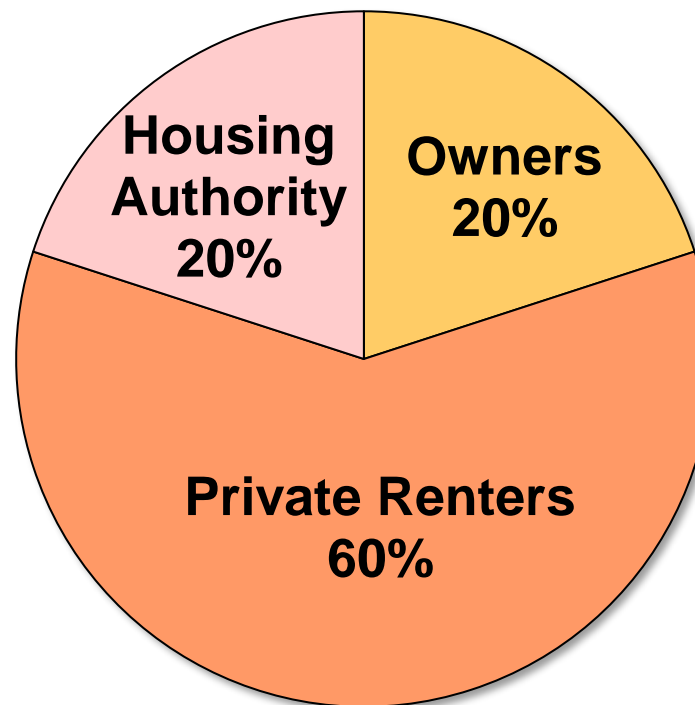
- ~80% of **EV Charging** done at Residential locations which is the main focus of SEAI infrastructure support
1. For Off-Street drive way:
 - **Home Charger** grant scheme
 - €600 per charge point
 2. For On-Street parking:
 - **Public Charger** grant scheme
 - €5,000 per charge point (x2 for post)
 3. For **Apartment** or Multi Unit Development (MUD):
 - **Apartment Charger** grant scheme



Apartments vs Houses



Apartment Residents



1. Getting Approval for EV Infrastructure

- An Owner Management Company (OMC) must seek approval from its members of 80% do not vote
- Typically a vote would be held once a year at the AGM
- Questions:
 - Is this a priority now vs fixing a,b,c?
 - Do you cover some or all parking spaces? If my space is not included why should I support this?
 - I don't want an EV yet



2. Costs

- Cost of cabling and construction ranges between €12k to €120k for 20 to 300 parking spaces
- Cost can vary greatly depending on cable distance and location type e.g. underground vs surface parking
- Who will pay for the electricity and maintenance?
 - Assigned vs shared parking spaces

3. Expandability

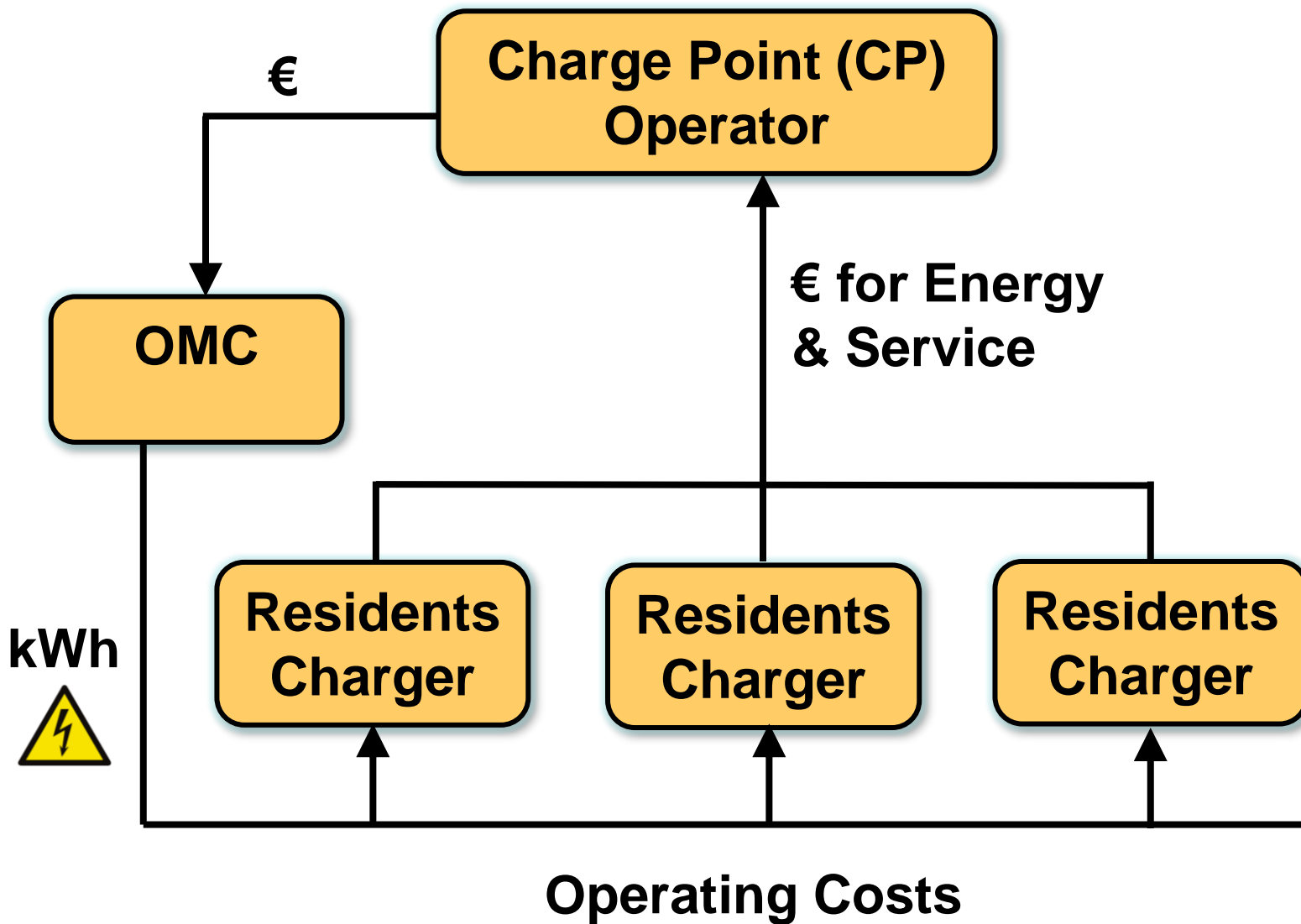
- Building in growth for a system starting with ~10% utilisation and ending with 100%



50-80% SEAI

20-50% OMC
Sinking Fund,
Loan?, EEOS

Capital Investment

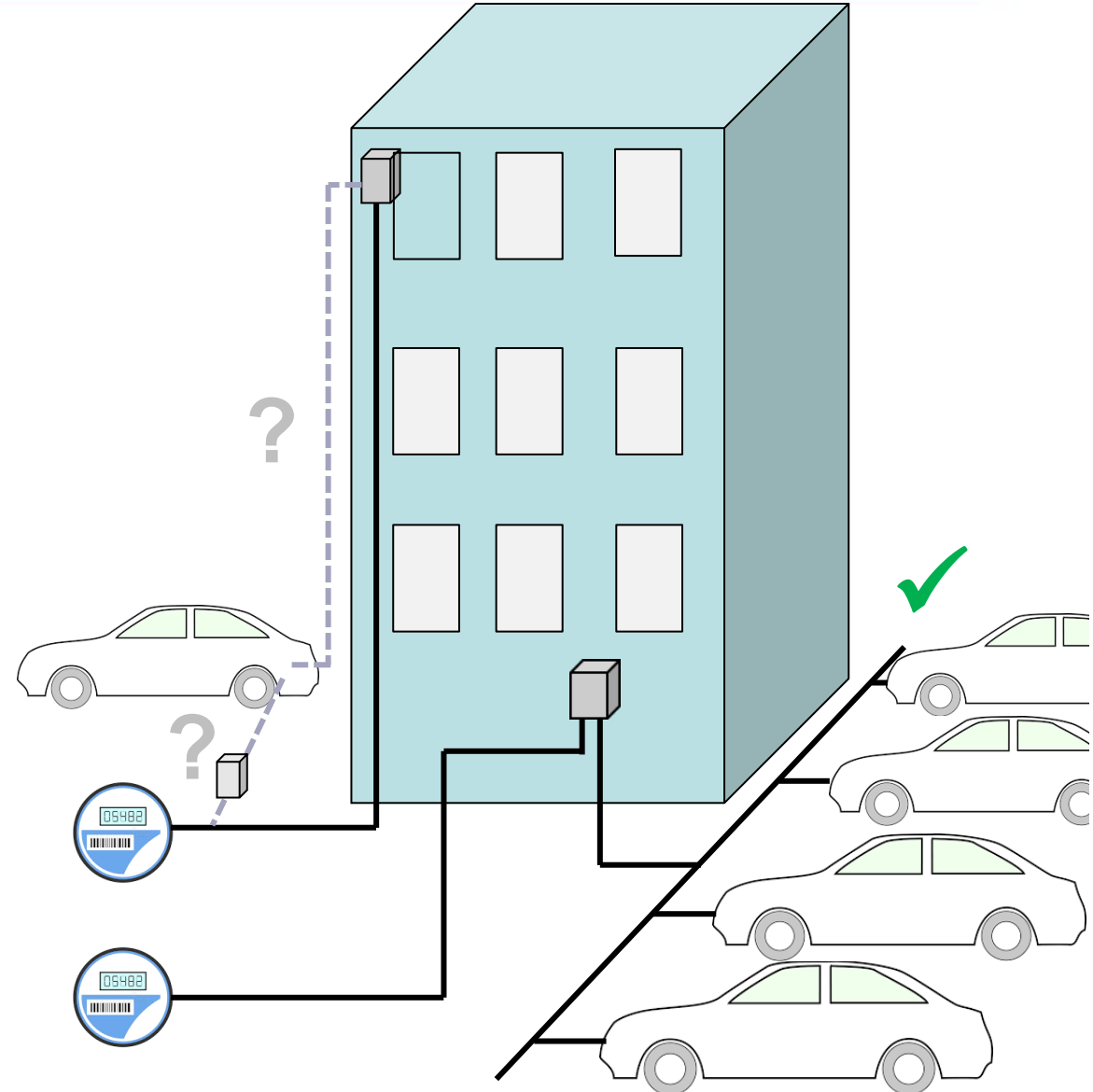


1. One-off connection to Own Board

- EV typically connected to Resident's fuse board in their home
- Legal now to connect near ground floor Meter, however power could be halved to Apartment...

2. Use Apartment Common Supply

- Max available = 44kW less kW in use
- Centrally control chargers to stay within **limits**
- Standing charge stays the same for all Apartment users w/wo an EV

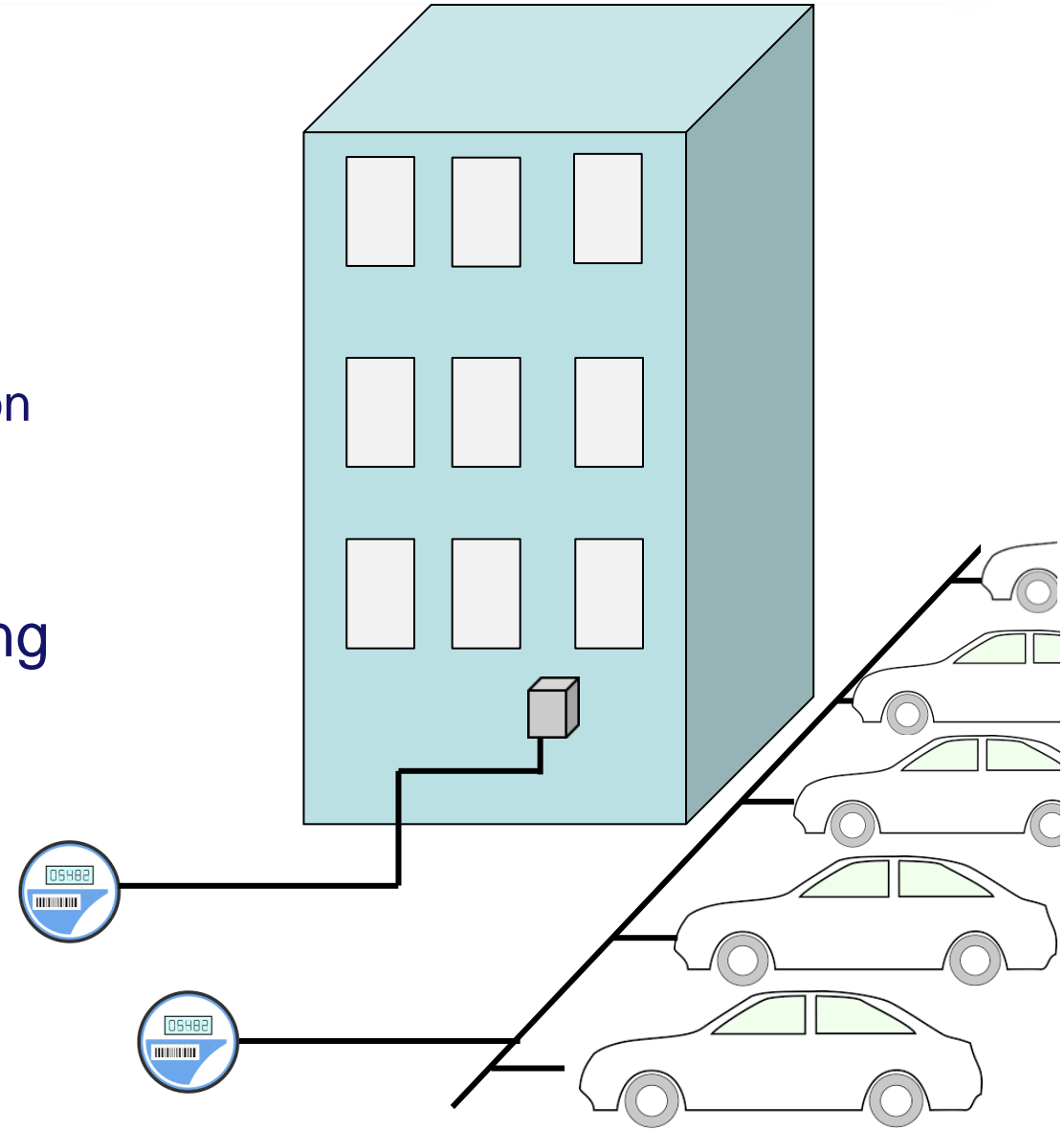


3. Expand Common Supply

- Max power increases
- Annual standing charge increases
 - Would this extra cost be shared by all Apartments w/wo an EV or would the addition apply to EV users only?

4. New Connection for EVs Only

- Dedicated connection to manage growing consumption by EVs
- All costs borne by EV users?



Proposed EV Apartment Charger Grant Scheme

Capital Funding Provided for

1. Cabling & Ducting
2. Control Units
3. Communication Units
4. Construction & Installation & Commissioning
5. Charge Points

Funding will not be provided for any **operational costs** once installation is complete



Eligible Properties

- Apartment Blocks
- Multi Unit Developments with no private off street parking provided within the curtilage of the individual properties

Developments Excluded

- New Build or Buildings undergoing Major Renovations
 - Now mandatory for buildings with 10 or more parking spaces to include EV infrastructure elements



- Owner Management Companies (OMCs)
- Approved Housing Bodies
- Local Authorities
- Build to Rent/Commercial Landlords
- Private Landlord
- Owner Occupier
- Residents/Tenants
- Others
 - *Energy Efficiency Obligation Scheme*
 - *Project Coordinators - Property Management Agencies*



Tier	Support Required	Support Proposed	Applicant Type
Tier 1	<ul style="list-style-type: none"> • Cabling • Infrastructure • Labour/Construction • Bulk Installation of Chargers at a single location • Existing Scheme expansion 	<p>50% to 80% of project Eligible Costs</p> <p>Lesser of 50% to 80% or €600 cap per Charger Installed</p>	<ul style="list-style-type: none"> • Owner Management Companies (OMCs) • Housing Bodies • Local Authorities • Build to Rent/Commercial Landlords • Private Landlords
Tier 2	<ul style="list-style-type: none"> • Installation of a Single Charger to an existing network (or a one-off connection to Residents own electrical supply) 	<p>€600 per Charger Installed with <u>evidence of EV purchased by Resident</u></p> <p>Application to be made via existing Home Charger scheme</p>	<ul style="list-style-type: none"> • Owner Occupier • Residents/Tenants

Appropriate Funding Levels 50% to 80%?

What factors should be considered?

1. Low uptake vs High Start-up Cost
2. State Aid rules
3. Tax treatment – Non Profit, Charity, Commercial, Local Authority?
4. Regulation – is a development required to provide infrastructure already?
5. VAT recoverable or not?



1. Assess interest and available funds
2. Contact CP Operators/Installers to survey electrical load and cable route, obtain quotes
3. Application Form is submitted to SEAI for review
4. Successful Application will receive a Letter of Offer (i.e. the grant contract).
5. **Do not start work** before the date on the Letter of Offer
6. All work must be completed with Payment Request and **invoices submitted to SEAI before** Offer Expiry date (typically 12 months [TBA])



1. Resident must seek permission of owner and OMC to install a Charge Point
2. Connection can be
 - a) One off connection as discussed earlier (OMC should ensure **no trip hazard** etc)
 - b) To new or existing Apartment Charger network (applicant must contact CP operator)
3. Resident will apply online via SEAI's Home Charger scheme

(Cont..)



Application Process – Tier 2 (for Residents requesting a Single Charge Point)

4. Letter of Offer will be issued to the Resident
5. Resident must have an EV (ie BEV or PHEV) registered at that address.
 - If the car is a Company car, address does not have to match Resident's
6. Vehicle Registration Cert will be submitted at payment stage to confirm address
7. Resident must install the Charger and submit Payment Request **within 6 month Offer window**



Public Consultation Feedback & Next Steps

- Targeted Opening Date for Applications is **October 2021**
- Consultation period of 3 weeks now open until 26th of August 2021
- Recording of this event + Feedback forms here:
<https://www.seai.ie/consultations/>
- Please complete 2 online forms:
 - Consultation Feedback Form
 - Grant Expression of Interest Form
- Following the consultation all feedback will be published online



Q&A

& Thank You

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