

# REA Member Forums Meeting 12th February 2020

**A warm welcome to REA members working in the solar, energy storage, electric vehicles, large scale power markets and finance areas.**



# **REA Solar Forum**

## **10.00-11.15**

**Forum kindly chaired by Johnathan MacDonald-Brown,  
CEO, Syzygy Consulting**



## Policy & Market Update

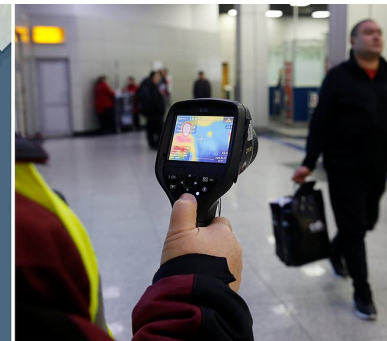
- 1) Panel supply shortage
- 2) Building regulations part L review
- 3) Smart Export Guarantee Tariffs

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# Coronavirus could hit solar panel supply

- Shortage of solar panel manufacture in Chinese provinces
  - key global solar manufacturing areas of Jiangsu, Zhejiang, Guangdong and Anhui
  - Chinese new year holiday was extended
  - Canadian Solar, LONGi Group, Trina Solar, Q-CELLS, JA Solar, Jinko Solar



## Building Regulations (Part L – Conservation of Fuel and Power)

**Future  
Homes  
Standard**



## Part L – Conservation of Fuel and Power

- **MHCLG Consultation closed 10<sup>th</sup> January 2020**
- **Proposals to be implemented in 2021, as a primer for the Future Homes Standard in 2025**

**Future  
Homes  
Standard**



Part L – Conservation of Fuel and Power – new dwellings only

- **MHCLG Consultation released, open until 10<sup>th</sup> January 2020**
- Proposes 70-80% less CO2 emissions than current standards for FHS in 2025

**Future  
Homes  
Standard**



## Part L – Conservation of Fuel and Power – new dwellings only

- **MHCLG Consultation released, open until 10<sup>th</sup> January 2020**
- Proposes two options for interim period:
  1. 20% reduction in carbon emissions, compared to current standard (larger focus on energy efficiency measures, still includes gas boiler)
  2. 31% reduction in carbon emissions, better fabric standards although not as high as option 1, includes solar PV

**Option 2 is the government's preferred option**

**Future  
Homes  
Standard**





Part L – Conservation of Fuel and Power – new dwellings only

### REA Response:

- Both proposals *not ambitious enough*
- Called for 6 key implementations:
  1. Solar PV Roofing
  2. Smart EV Charge Points
  3. Home Energy Storage
  4. Three Phase Electricity Supply
  5. Adjustments made to SAP and EPCs
  6. Greater consideration for renewable heat must be made

**Future  
Homes  
Standard**



## Future Homes Standard

### Innovations in Solar and Legislative Change Required

- Permitted development – should maximise on roof space available rather than state minimum requirement for space from edge of the roof.
- Solar tiles and solar glass should not be subject to visual impact regulations, considering their similarity to roof tiles, and are a perfect fit for properties in conservation areas and World Heritage Sites.



Part L – Conservation of Fuel and Power – new dwellings only

### **REA Response (specific questions):**

4. Allow local authorities to set higher standards

7. CO2 should be principal performance metric (rather than primary energy)

10. Minimum energy efficiency rating A grade (only alongside introduction of SAP 11 & update or change of modelling method)

65. Transitional arrangements should be applicable only to the individual building where building work has commenced (rather than whole development)

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Homes  
Standard**



Part L – Conservation of Fuel and Power – new dwellings only

### **REA Stakeholder Engagement:**

- **Royal Institute of Chartered Surveyors**
- **Royal Institute of British Architects**
- **National Housebuilders Federation**
- **UK Green Building Council**
- **Better Buildings Partnership**

**Future  
Homes  
Standard**



## Part L – Conservation of Fuel and Power – new dwellings only

### Next Steps

#### Roadmap to the Future Homes Standard

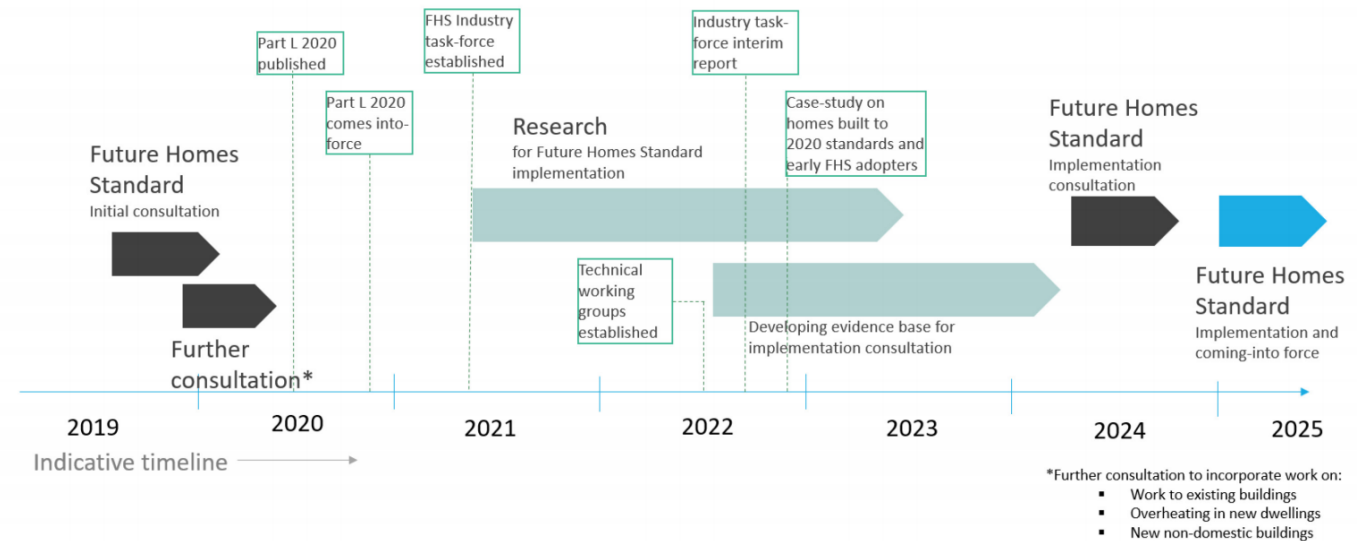


Figure 2.1: Roadmap to the Future Homes Standard

Future  
Homes  
Standard



## Smart Export Guarantee

### Top SEG Tariffs

Social Energy	5.6p/kWh
Octopus Energy	5.5p/kWh
EON	5.5p/kWh
Bulb	5.38p/kWh
OVO	4.0p/kWh
Scottish Power	4.0p/kWh



- Introduced 1<sup>st</sup> Jan 2020
- Under 5MW capacity projects (aimed at domestic)
- Can be a separate supplier to import tariff
- Looking into how they are metered (for commercial projects – is a MOP required?)
- **Will continue to monitor – briefing on REA website**

