

# Irish Waste Management Association Conference

*“Waste Capacity Challenge – Key Trends & Projection”*

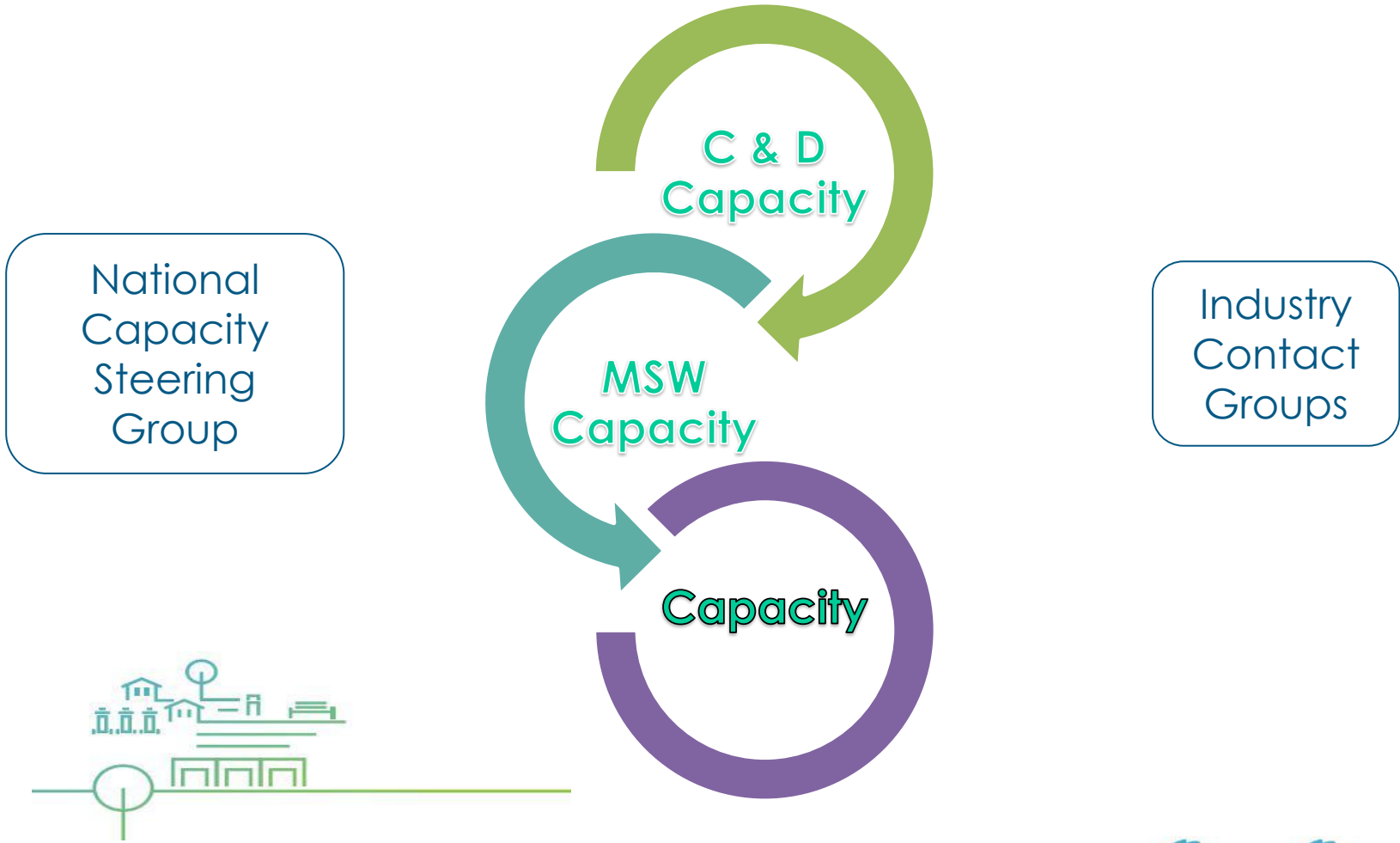
**Croke Park - 27<sup>th</sup> November 2018**



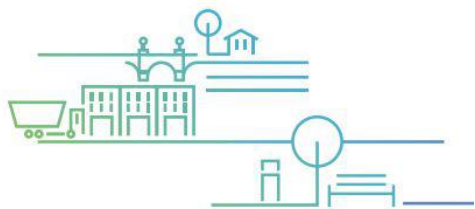
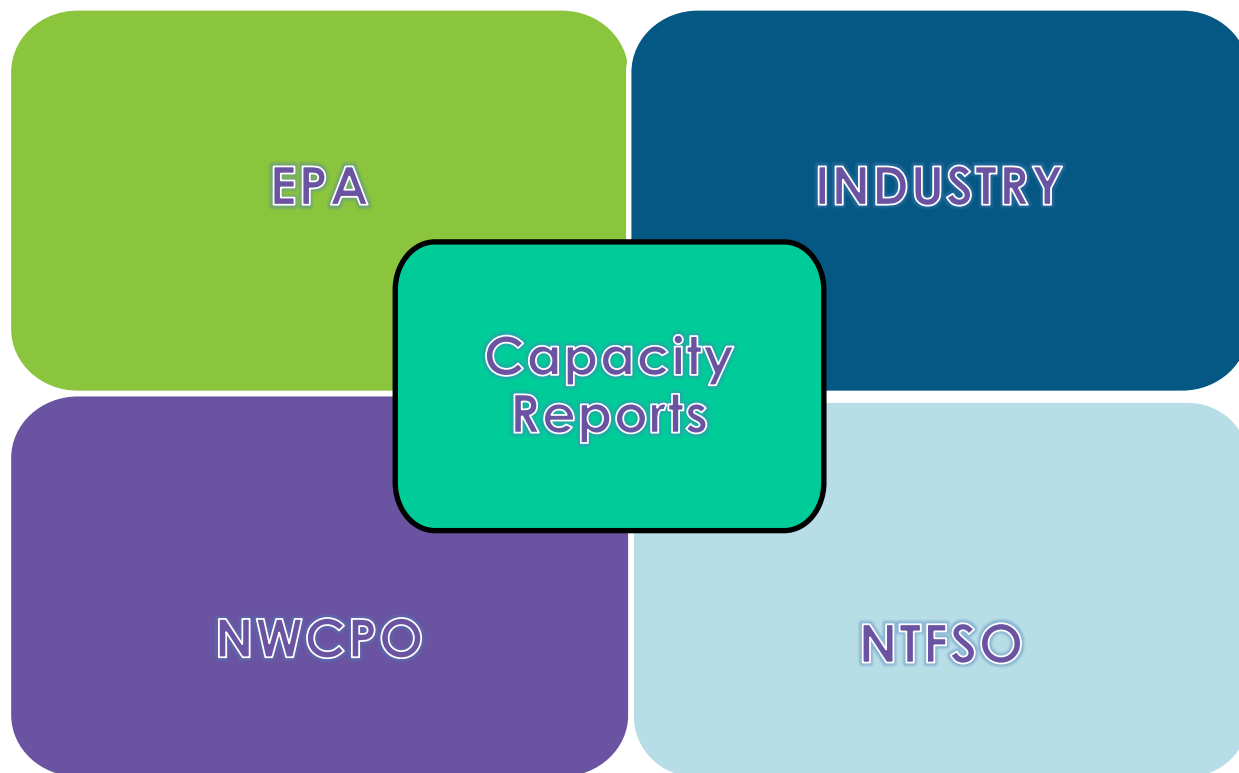
# Capacity



# Regional Waste Management Planning Offices Monitor Capacity



# Data Sources



# C & D Waste



## Construction & Demolition Waste

Soil and Stone Recovery / Disposal Capacity

Eastern Midlands Region / Connacht Ulster Region / Southern Region  
Waste Management Plans 2015 - 2021



[www.emwr.ie](http://www.emwr.ie)  
[www.curwmo.ie](http://www.curwmo.ie)  
[www.southernwasteregion.ie](http://www.southernwasteregion.ie)



# Number Of Waste Facilities 2016

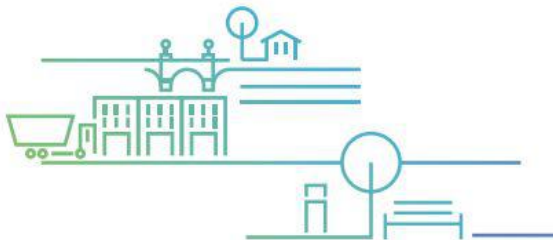
• Licenced Landfill Recovery	-	11
• Inert Landfills	-	3
• Permit	-	103
• COA	-	134
• Non Hazardous Landfill	-	5



# Soil / Stone [Greenfield] – C & D Waste [2016]



68% of the total C & D  
Waste  
or  
Approximately 3.7 m  
tonnes



# C & D Waste – Soil / Stone Processing Options

---

Option

EPA Licensed Soil Recovery Site

---

Local Authority Authorised Sites

---

Inert Landfill

---

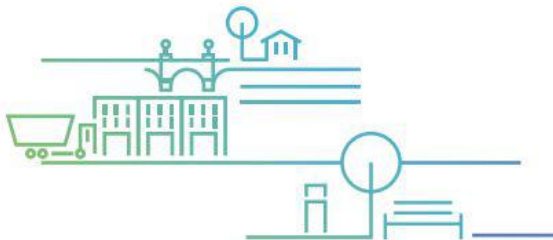




# Non – Haz, Non – Inert C & D Waste [2016]



12% of the total C & D  
Waste  
Or  
Approximately 640,000  
tonnes



# Non – Haz, Non – Inert C & D Processing Options

---

Option

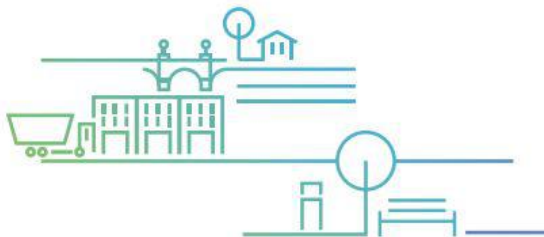
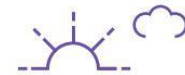
Licensed Non Haz Landfill

---

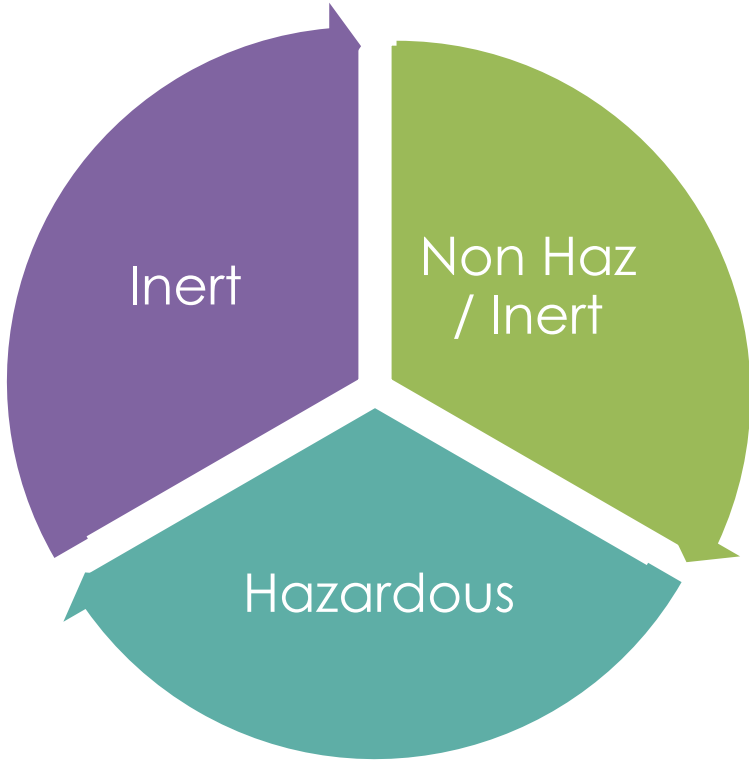
Export

---

Licensed Inert Landfill

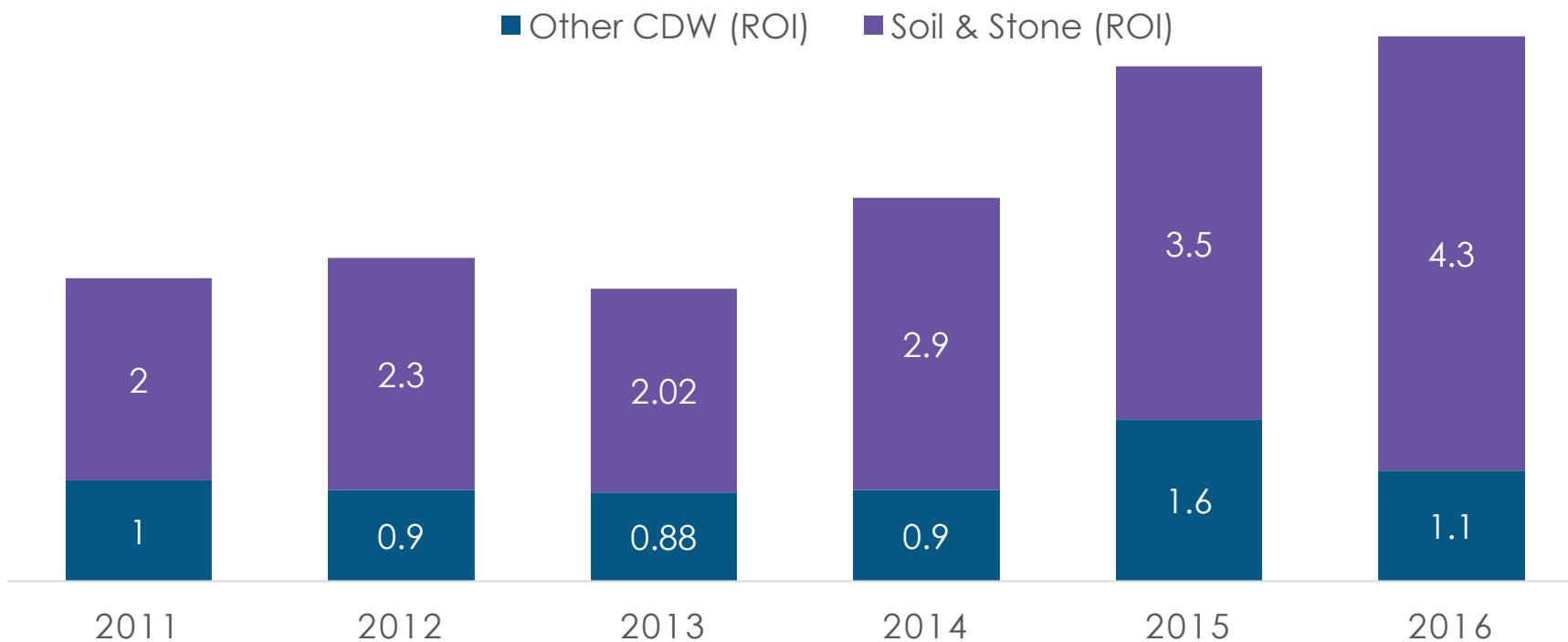


# Soil / Stone

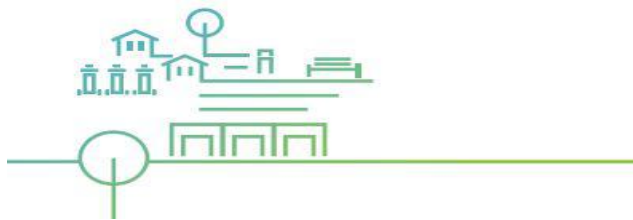




# C & D Waste – Data Profile



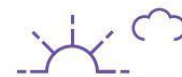
# C & D Waste – Preliminary Projections



# Issues

- Current figures point to capacity deficits particularly for non haz non inert soil/stone
- Need for additional capacity to meet anticipated growth
- Comprehensive data sets currently not readily available
- Article 27 Guidance at Public Consultation
- End of Waste Art 28 process for certain materials ongoing
- Illegal Activity a concern



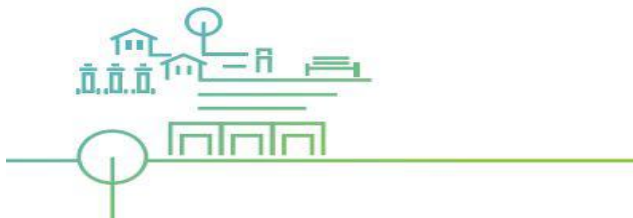


# Measures

- Better Governance with establishment of Construction Resource Group
- 4 thematic working groups
  - *Capacity & Projections*
  - *Article 27/End of Waste/ Permit threshold limits*
  - *Waste Prevention / Best practice on site/ Circular Economy*
  - *Enforcement/ Waste Flows*
- Interim reports & recommendations in December 18



# Municipal Solid Waste [Msw]

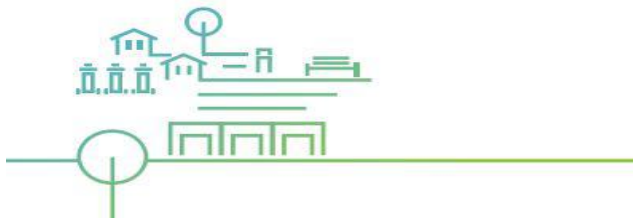




# Current Key Targets



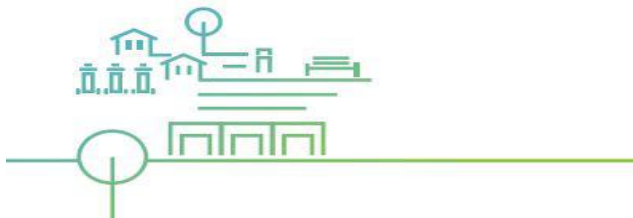
- **50% Preparing for reuse and recycling of household derived paper, metal, plastic & glass** (Waste Framework Directive (2008/98/EC))
- **50% MSW by 2020** -Regional Waste Management Plans
- **60% MSW by 2030** -EU Circular Economy Target



# Current EPA Validated Statistics [2016]



- Total MSW - 2,763,166 tonnes
- MSW Recycling Rate - 41%
- EU 27 Average - 45.5%

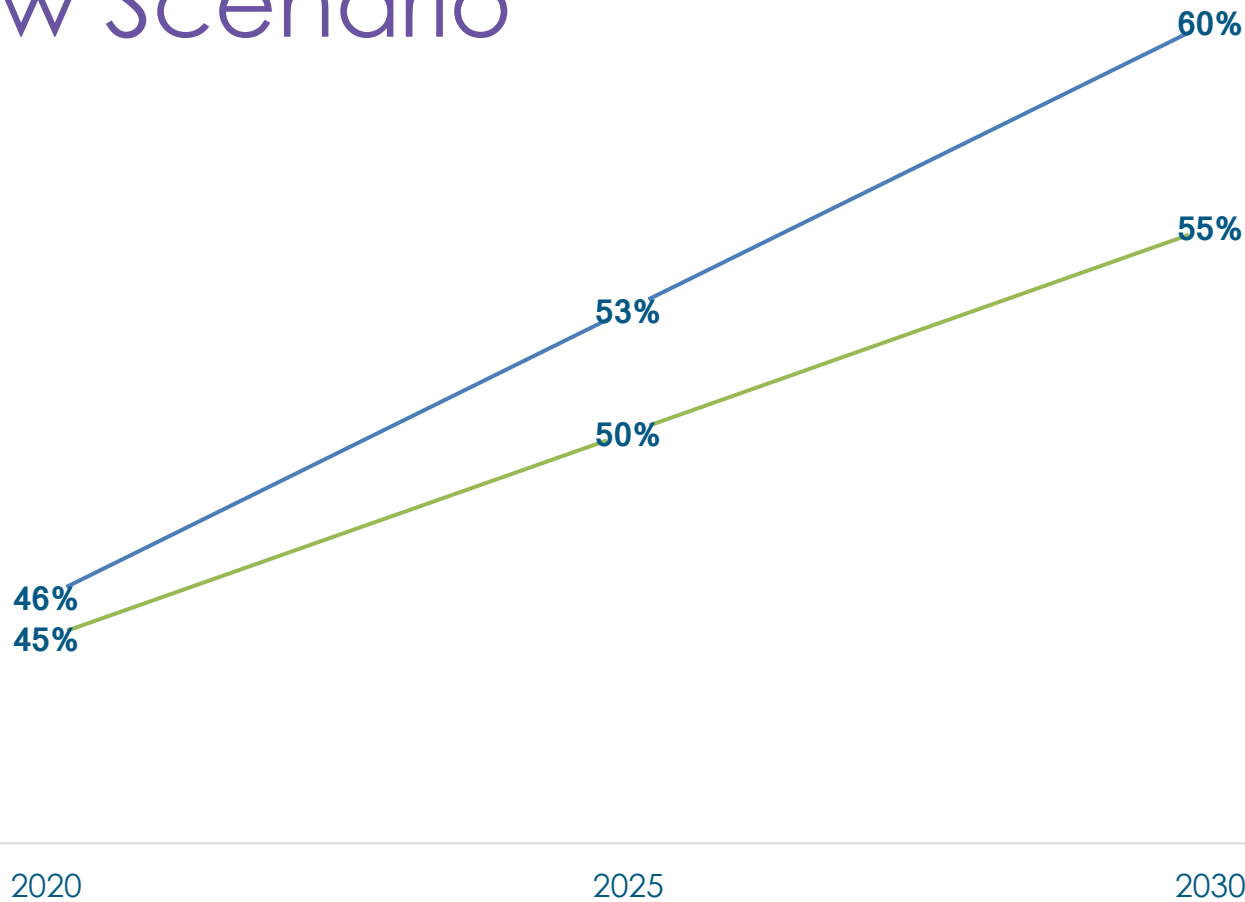


# Current Regional Waste Management Office Projections [2018]

- Total MSW - 2,880,950 tonnes
- MSW Recycling Rate - 41%



# Regional Waste Management Office Recycling Projections (2020-2030) High & Low Scenario



— Meeting Existing Targets — Maintaining Existing Trends



# Remarks

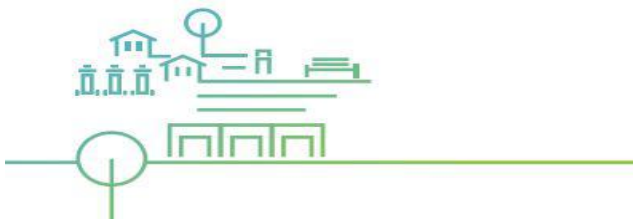


- Targets at risk
- Significant intervention by all stakeholders required to improve;
  - Services in Areas
  - Participation Rates
  - Collection Systems in Apartments
  - Collection Systems for Commercial Waste i.e. SME's
  - Range & Frequency of Services
  - Segregation & Quality
  - Enforcement
  - Incentivised Pricing
  - Citizen Engagement & Awareness

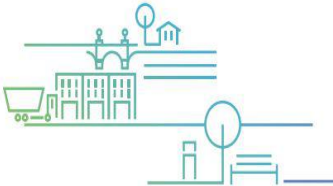


# Treatment / Disposal Figures 2016 / 2017

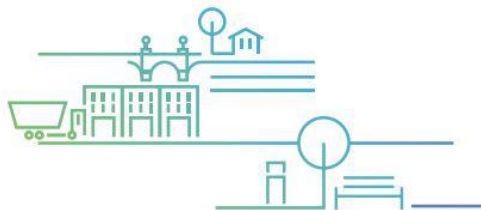
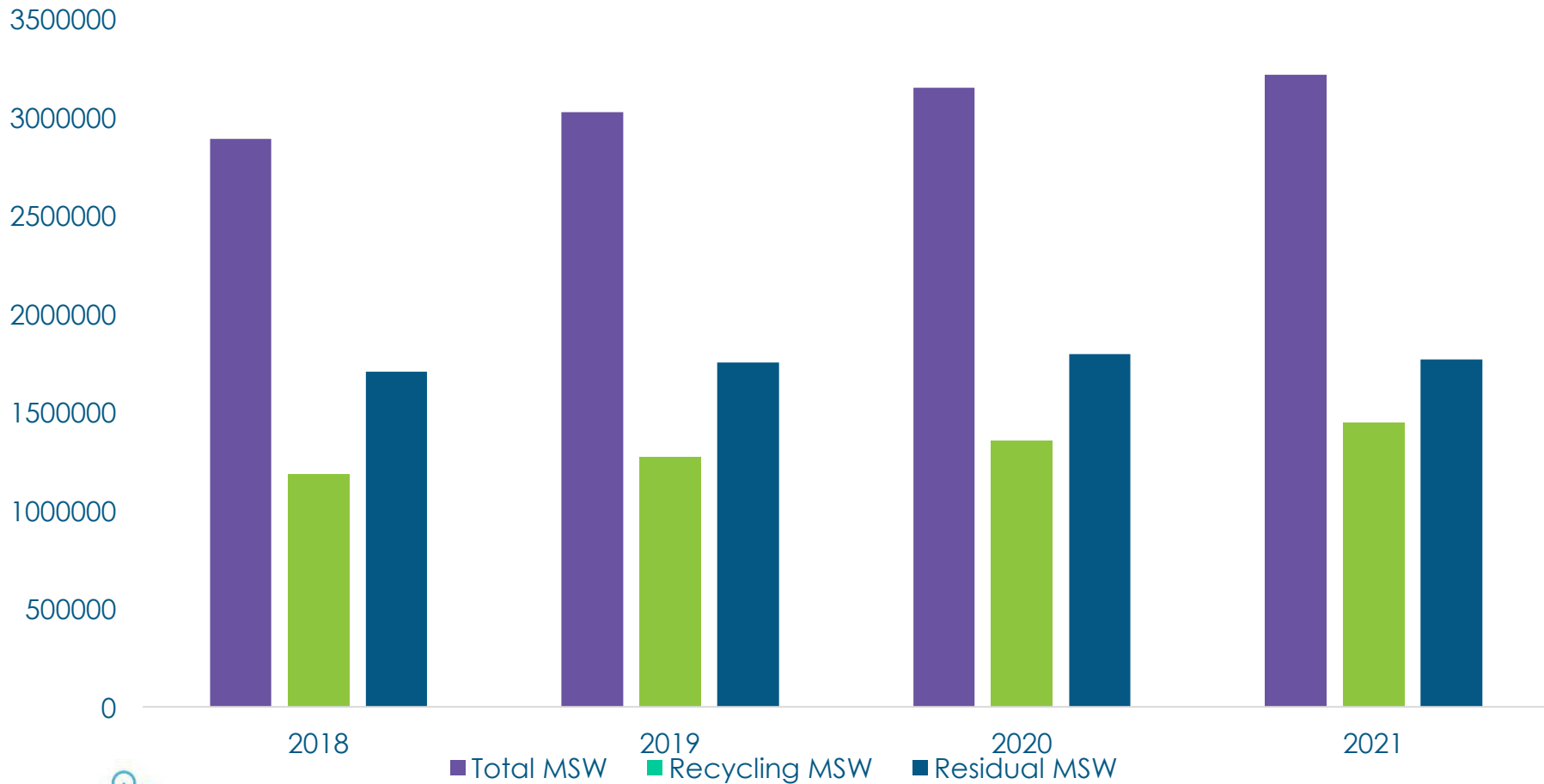
	2016	2017
Total MSW	2,763,166	2,812,795
Recycling @ 41%	1,132,898	1,153,246
Balance Treated/Disposed	1,630,268	1,659,549



# Capacity For Residual Waste 2018

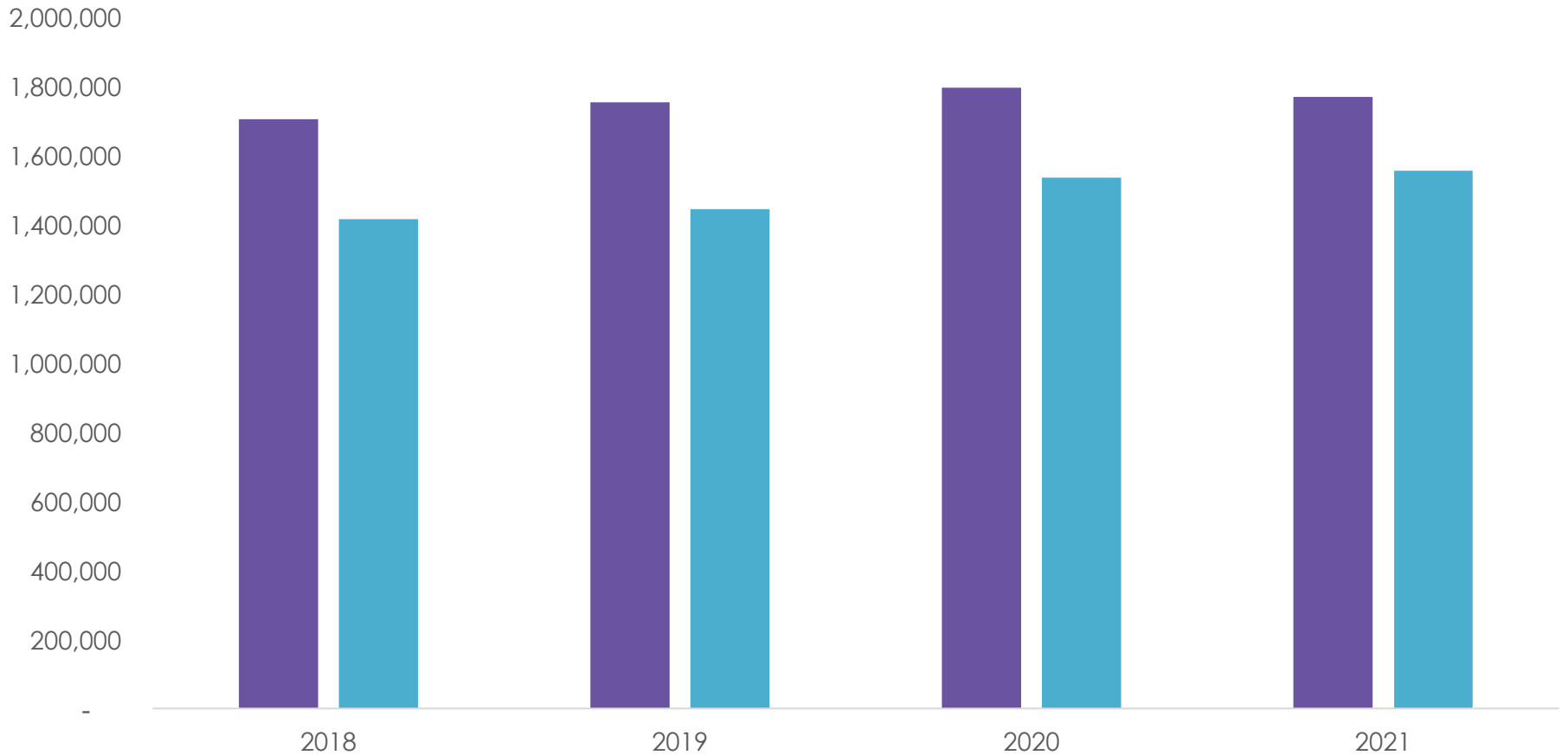


# MSW Projections 2018-2021





# Residual Waste Capacity



Residual MSW Generation

Residual Capacity-Ireland



# Final Remarks

- 300kt thermal recovery limit still valid [Policy E15 RWMP]
- Planned Infrastructure still in Regulatory Process
- Not all Planned / Licenced Capacity available
- Continued requirement for Landfill / Exports in short / medium term
- Competing requirements for C & D capacity at landfill but primacy must be for msw in first instance
- Limited Headroom – Requirement for Contingency Capacity



# Contact Details

**Hugh Coughlan**, Regional Co-Ordinator Eastern-Midlands

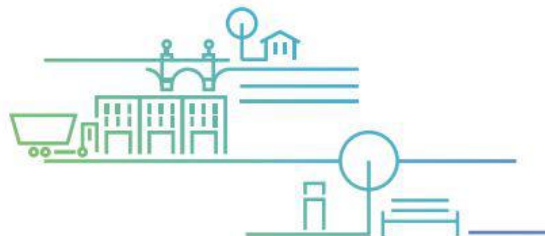
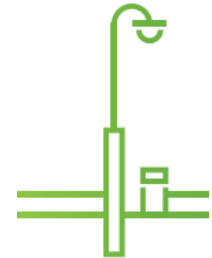
[hugh.coughlan@dublincity.ie](mailto:hugh.coughlan@dublincity.ie)

**Philippa King**, Regional Co-Ordinator Southern Region

[philippa.king@limerick.ie](mailto:philippa.king@limerick.ie)

**Kevin Swift**, Regional Co-Ordinator Connacht-Ulster Region

[kswift@MayoCoCo.ie](mailto:kswift@MayoCoCo.ie)



# Capacity



***"If everyone is moving forward together,  
then success takes care of itself." --Henry  
Ford***