



Kilkenny County Council
Comhairle Chontae Chill Chainnigh

Climate Action Update

Dearbhala Ledwidge, Climate Action Co-Ordinator

Council Plenary 28th July 2023

Climate Action Team – update

- **Climate Action Coordinator**
- **Community Climate Action Officer** – Breda Maher
- **Clerical Officer** – Darragh Mahon
- **Climate Action Officer**
- **Energy Officer**
 - Funded from energy savings



**What does
the evidence
tell us**

- 1. Risks to Co. Kilkenny**
- 2. Kilkenny's contribution to climate crisis**
- 3. Kilkenny County Council's contribution**



**Prioritise
Opportunities & Actions**



Observed and Predicted Climate Impacts in Ireland

↑ Air temperature

↑ Intensity & duration heatwaves

↓ Frost Days

↑ Rainfall (Autumn & Winter)

↑ Dry periods (Summer)

↓ River flow (Summer)

↑ River flow (Winter)

↑ Flood Risk

↑ Drought conditions (esp. in East)

Spring arriving earlier, Autumn longer

↑ Duration of growing season

Mis-match of life cycle timings

↑ More intense storms

↑ Sea Level Rise

↑ Storm Surges

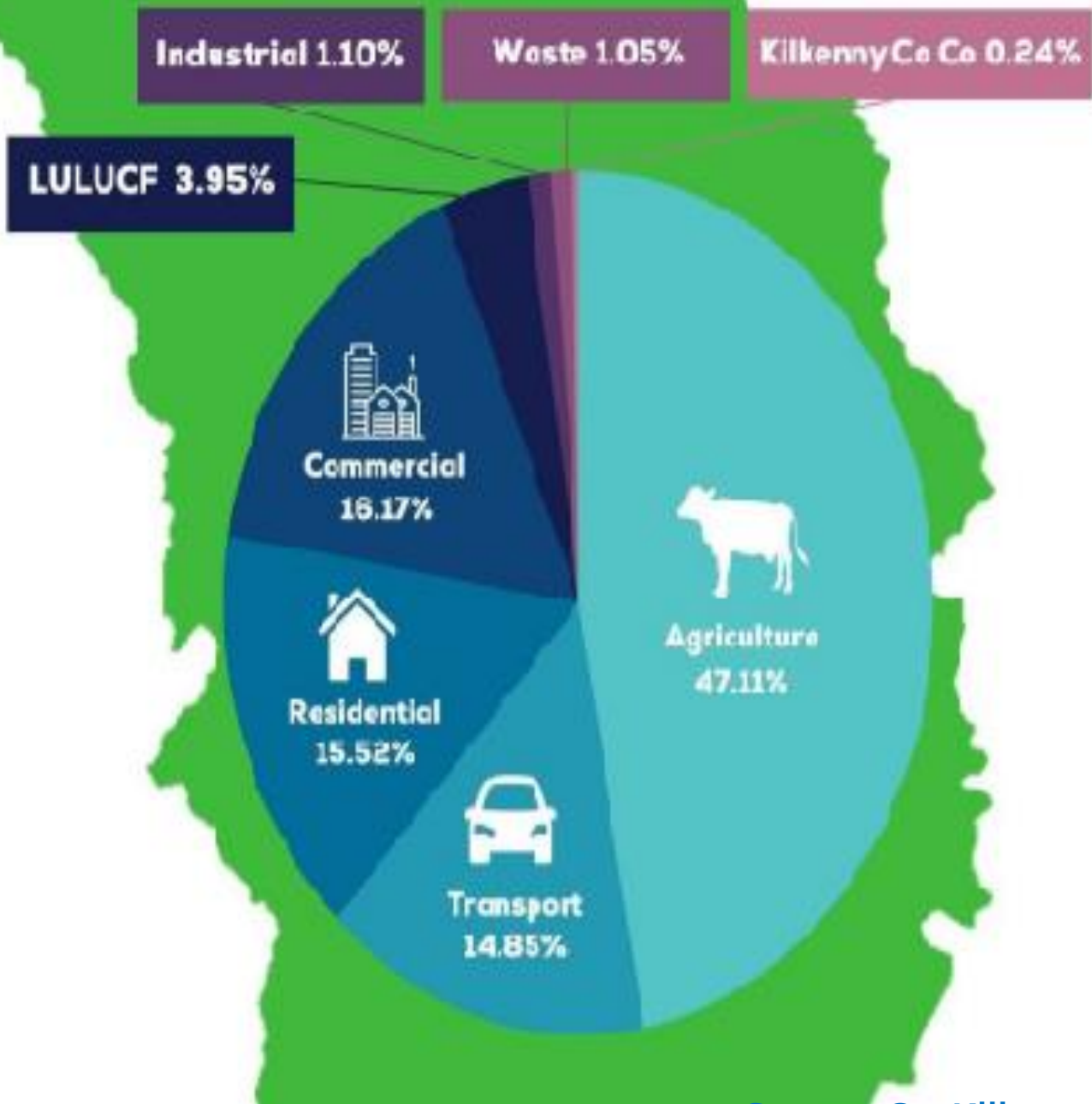
↑ Sea Surface Temperatures

↑ Ocean Salinity

Future Climate Impacts Assessment



Source: Co. Kilkenny Climate Risk Assessment, RPS Consultants



Total Emissions Co. Kilkenny in 2018

Agriculture
 Manufacturing & Commercial
 Residential
 Transport
 LULUCF
 Industrial Processes
 Waste
 Kilkenny County Council

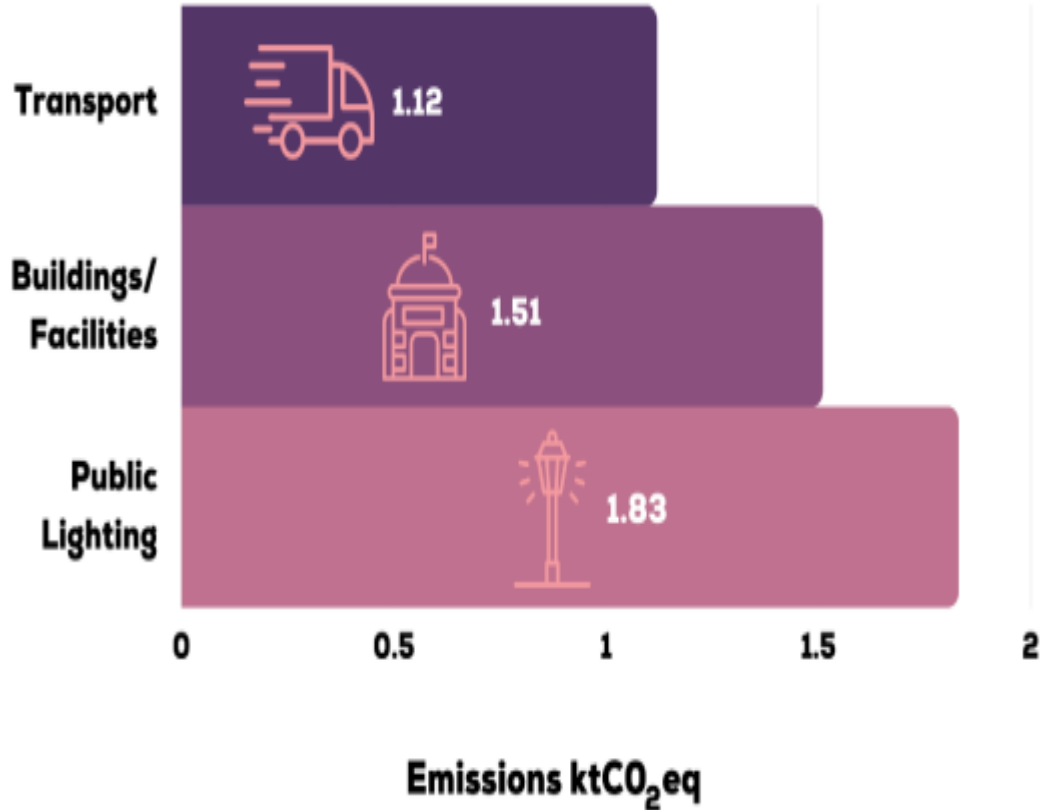


Emissions by Sector (2018)

	County Kilkenny	Average of 3 South East Counties
Agriculture	47%	45%
Manufacturing & Commercial	16%	18%
Residential	16%	15%
Transport	15%	14%
LULUCF	4%	5%
Industrial Processes	1%	0.8%
Waste	1%	1.6%
County Council	0.24%	0.28%

Kilkenny County Emissions

(0.24% of County Emissions)



51% ↓ GHG emissions
50% ↑ in energy efficiency

Source: Co. Kilkenny Baseline Emissions Inventory

Asset	Quantity	Examples of Actions
Fleet	200 (approx.)	<ul style="list-style-type: none">- Efficiency- Biofuel- EV
Buildings & Facilities	100 (approx.)	<ul style="list-style-type: none">- Efficiency- Retrofitting- PV panels
Public Lights	11,400	<ul style="list-style-type: none">- PLEEP



Scope of LACAP

- 1. Full accountability for our own services**
- 2. Influence**
- 3. Co-ordinate and facilitate**
- 4. Advocate**

Examples of Influence & Leadership

- Green Public Procurement
- Regional EV Infrastructure Strategy
- District Heating
- Communication & Information

May

- Pre-Draft Consultation/Stakeholder Engagement
- Sectoral Engagement Workshop (CARO)
- LA Targets Workshops (CARO)

June

- LACAP Actions Workshop (CARO)
- Internal workshops

July

- Decarbonising Workshops (CARO)
- Commence Draft Plan
- Internal workshops- Actions
- SEA/AA

Aug

- Drafting Plan
- Internal/external workshops & briefings

Sept

- **Workshop with Elected Members 11th Sept**
- Draft Plan published
- Consultation/Stakeholder Engagement (6 weeks)

Oct

- Consultation/Stakeholder Engagement
- Commence Submissions Report

Nov

- CE Report on submissions (4 weeks)

Dec

- Circulate to Elected Representatives (8th Dec)
- SPC₄ adopts plan (Environment, Climate, Energy)

Jan'24

- Council adopts LACAP

Feb'24

- Statutory Deadline (23rd Feb)

Workshops to agree actions with Service Areas

Service Area	
Environment (Air, Waste, Dunmore, Noise)	11 th July
LEO & Tourism	12 th July
Heritage, Biodiversity & Conservation	19 th July
Procurement	26 th July
Planning	31 st July
Fire Service & Civil Defence	1 st Aug
IT	2 nd Aug
Public Lighting & Facilities	2 nd Aug

Service Area	
Finance	3 rd Aug
Roads & Transport	4 th Aug
Fleet/Machinery Yard	15 th Aug
Parks	23 rd Aug
Flood Relief Capital	tbc
Housing	15 th Aug
Community, Healthy Ireland & Town Regeneration	tbc
Arts & Libraries	tbc

Kilkenny City DZ

Decarbonisation Zone

What is a Decarbonising Zone?

Source: KPMG 17.5.23

A Decarbonising Zone (DZ) is a **spatial area**, identified by each local authority in Ireland, in which **a range of climate change mitigation measures are identified** to contribute to meeting national climate action targets

DZs are a **demonstration and testbed** of what is possible for Decarbonising and climate action at a **local and community level**

Through a feedback loop of experimentation and evaluation, the **DZ enables a flexible, incremental and community-driven approach** to ensure that its objectives are delivered

Each DZ is unique, there is no **'one size fits all'** approach to developing a DZ

DZs should consider adaptation and biodiversity and **address wider co-benefits**



What climate targets apply to DZ's?

The same targets as LACAP

1. LA responsible for own targets
2. LA to influence, coordinate & facilitate other sectors, & advocate
3. Other sectors responsible for own targets
 - National Sectoral Emissions Ceilings
 - Public Sector Climate Action Mandates

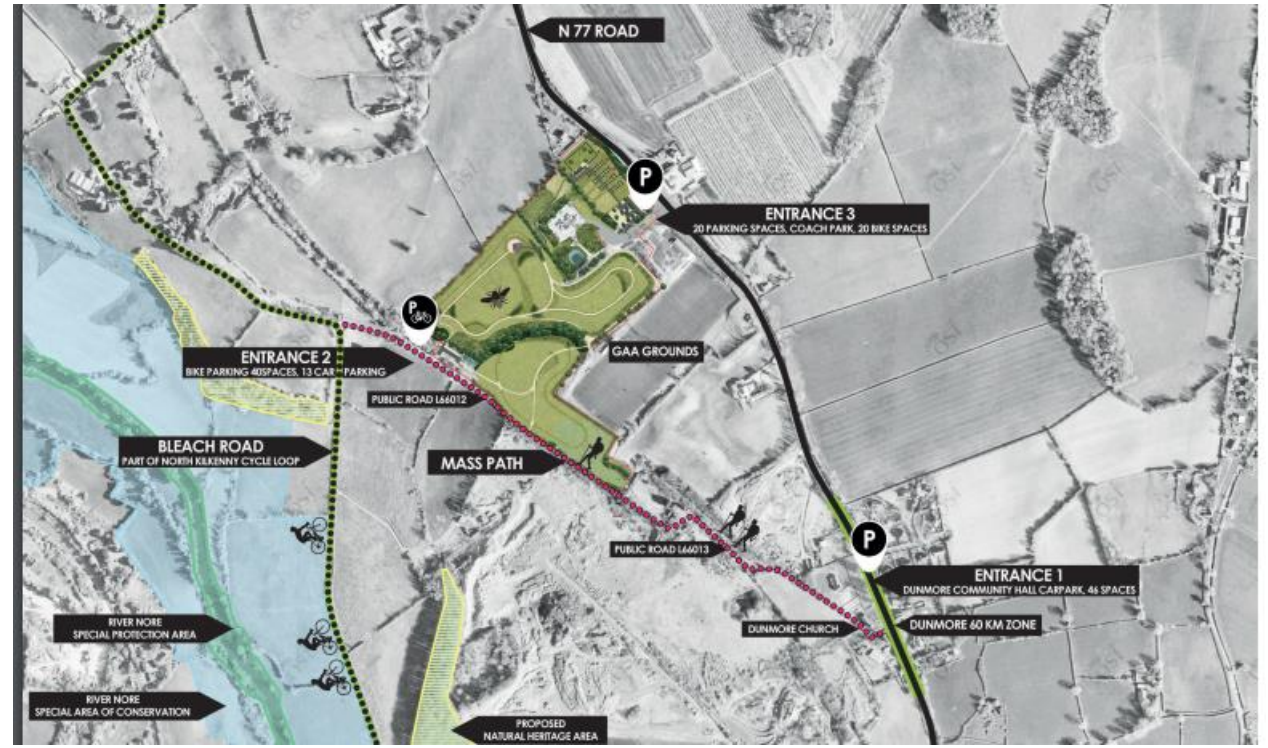
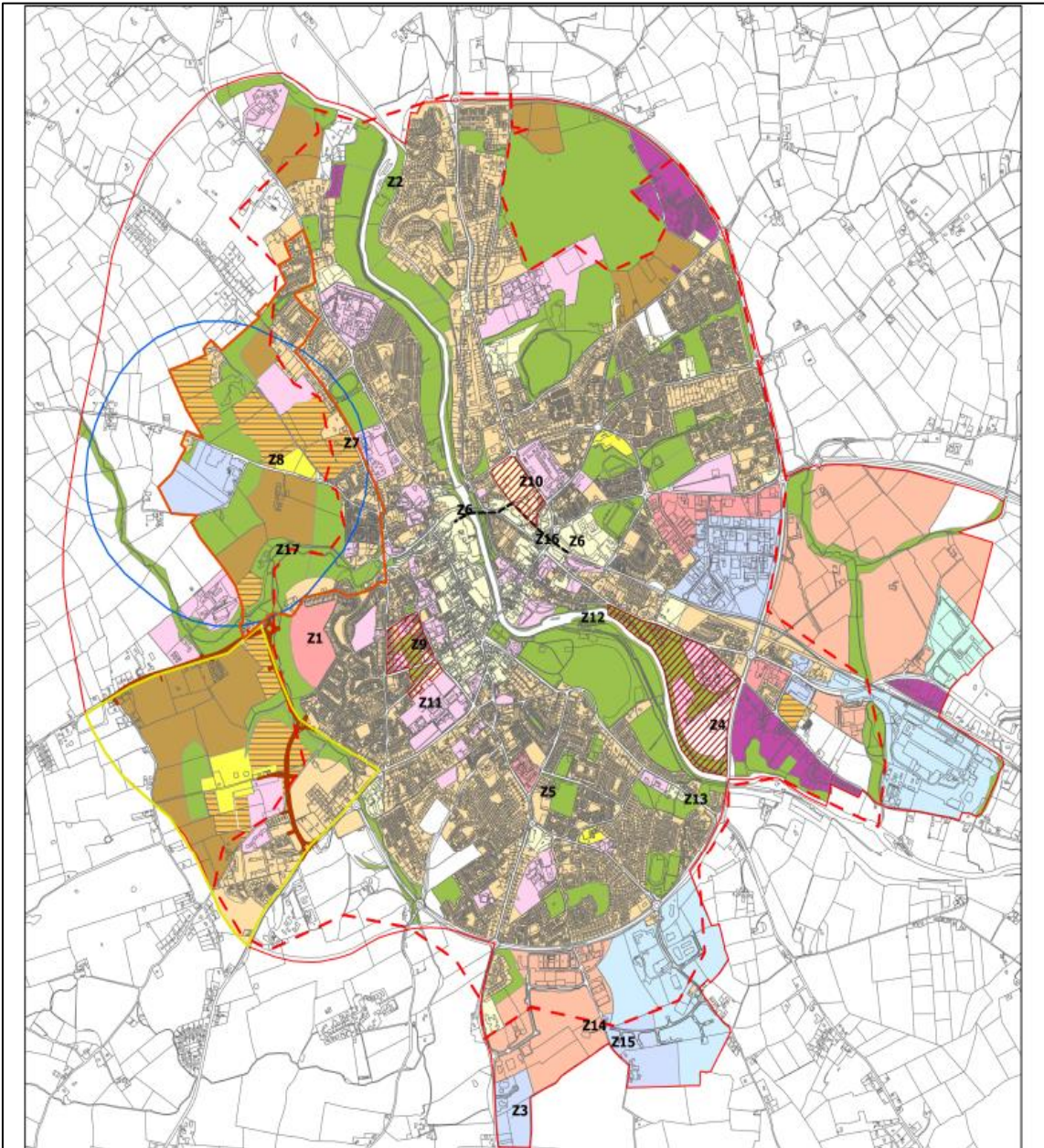
Local Authority Targets for Climate Action	Emissions Target (2030)	Energy Target (2030)
LACAP	51%	50%
DZ	51%	50%

DZ Co- Benefits

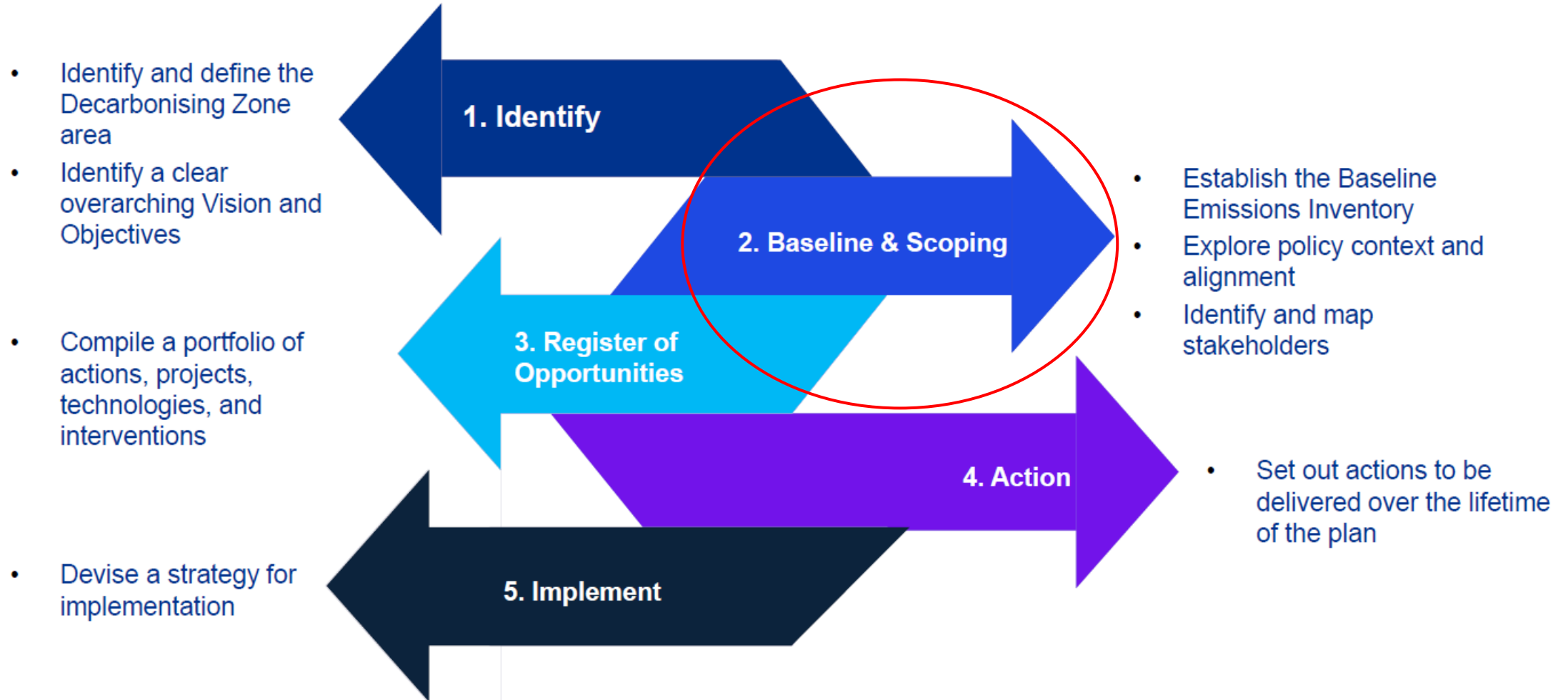
Potential Opportunities/Co-benefits

- ✓ Transport
- ✓ Buildings
- ✓ Green Spaces/Infrastructure
- ✓ Complimentary Infrastructure
- ✓ Land & Environmental value
- ✓ Air Quality
- ✓ Waste Management
- ✓ Co-benefits
- ✓ Planning policy & supports
- ✓ Community activation & readiness

Potential Opportunities	Kilkenny City Opportunities and existing supports
Transport	KK City SUMP; City Bus Network; Rail;
Buildings	Top energy buildings; Pathfinder Programme; significant public sector building stock
Green Spaces/Infrastructure	River Nore Linear Park; Breagagh River Valley; Newpark Marsh; Poccocke River; Castle Park; Habitat & GI mapping & report;
Complimentary Infrastructure	District heating; Fibre broadband; Anaerobic digester;
Land & Environmental value	Natura 2000 network,
Air quality	Monitoring Points
Waste Management	Green procurement
Co-benefits	Dunmore Biodiversity Park & Civic Amenity Site; Healthy Ireland initiatives
Planning & policy supports	Kilkenny City & County Development Plan; Kilkenny Vision 2030;
Community activation & readiness	Strong city-wide stakeholder networks (Chamber of Commerce; Kilkenny Tourism...); Sustainable Energy Communities/Climate Action Plan; Allotments 3 rd level?; SETU/College of the Future



The 5 key stages to implement the development of the DZ



Workshop: 11th Sept

Thank You



Kilkenny County Council
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