

Renewable Energy in Flintshire

Sadie Waterhouse: Flintshire County Council

Background

- The Council has been investing in low carbon and renewable energy systems and energy efficiency for over 10 years.
- Strong governance framework; targets within the Council Plan which are monitored annually.
- Cabinet approved Renewable Energy Action Plan supports the development of large scale renewable energy.

Brookhill and Standard Solar Farms



Rolling out large scale renewables.

- Initial review of the Council's land assets completed in 2016.
- Long list of mostly brownfield sites which had renewable energy potential.
- Further feasibility work completed in 2017 with support from Welsh Government Energy Service.
- Flint Landfill and Crumps Yard put forward for business case development.

Flint Landfill and Crumps Yard



Flint Landfill



Crumps Yard

Progress so far.....

- Grid connections confirmed and paid for. Both were under £100k.
- Planning approval in place for Flint Landfill, Crumps Yard under way.
- Contract for the design, build, operation and maintenance awarded following Cabinet approval in December 2019.
- Work expected to start in the Spring and be completed by November 2020.

Financial and Economic Case

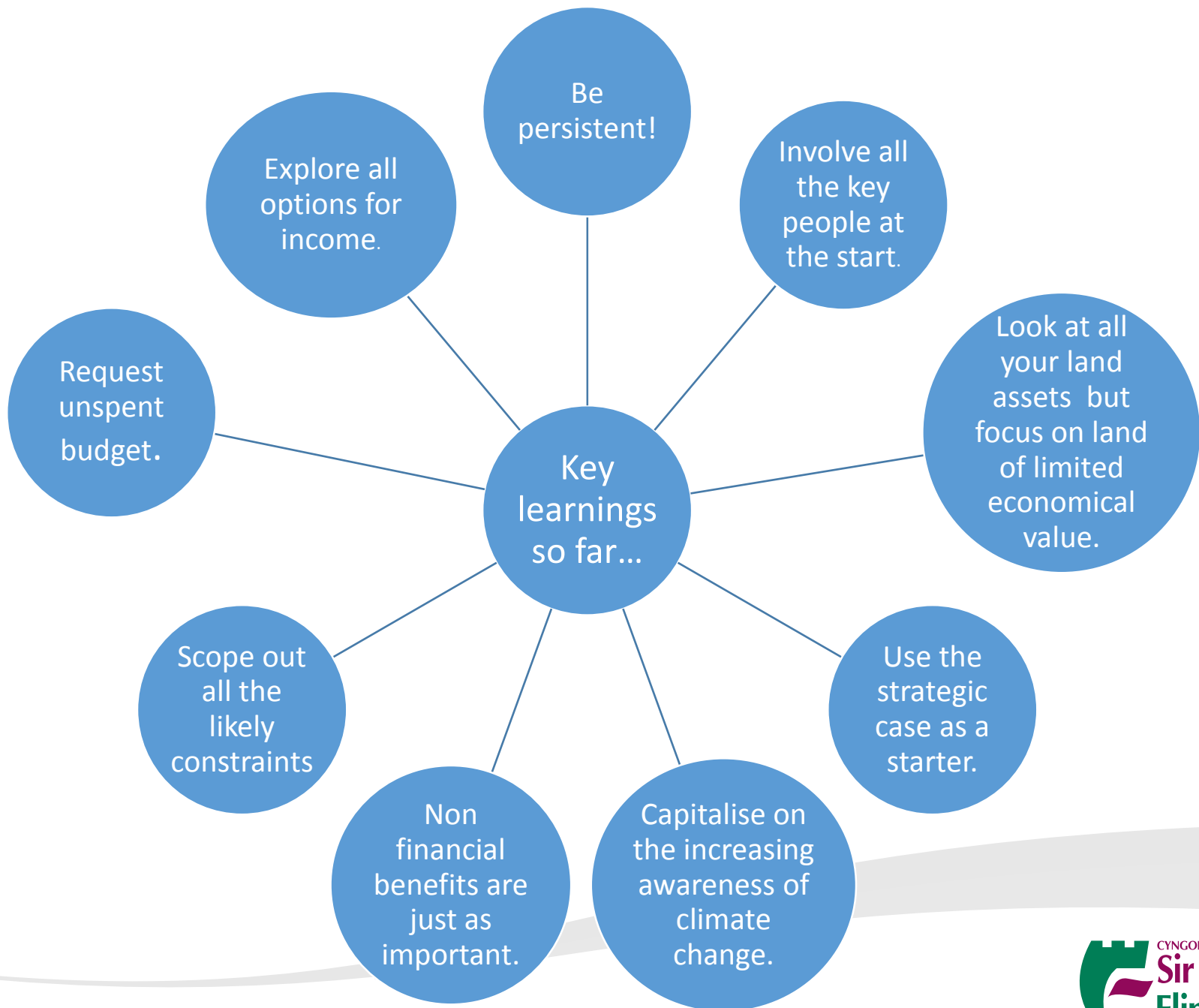
- Project is expected to generate a net project income of £1.1m over 35 years.
- Cash positive in Year 6.
- Based on PWLB and £300k capital contribution and 100% sale to grid.
- Options to improve the financial case assessed by Welsh Government Energy Service and Carbon Trust:
 - Battery Storage
 - EV charging
 - Alternative contracting arrangements

Project Governance

- Getting the right people involved at the very start is key to securing buy in from Councillors and Senior Officers.
- Chief Officers involved in the early feasibility assessments of potential sites.
- Following Cabinet approval of the Outline Business Case in July 2018 a project board was established.
- Board membership includes:
 - Chief Officers for Planning Environment and Economy/Housing and Assets.
 - Lead Member for Corporate Management and Assets.
 - Planning Strategy Manager
 - Procurement Officer
 - Contracts Solicitor
 - Capital Finance Officer
 - Strategic Lead for Welsh Government Energy Service
 - Project Manager

Future Developments

- An additional 7-8 sites shortlisted for further feasibility assessments: focussing on hydro, solar and wind.
- These are located next to FCC/other public sector sites/private sector; potential for private wire opportunities
- Will be completing further reviews the Council's land assets including the agricultural estate.



Thank you!

Any questions or for further info; you can contact me
on:

sadie.waterhouse@flintshire.gov.uk

01352 703767