

Minimum Standard for Denbighshire County Council New Build and Major Extension/Refurbishment Construction Projects which includes targets for in use and embodied carbon

Well-being Impact Assessment Report

This report summarises the likely impact of the proposal on the social, economic, environmental and cultural well-being of Denbighshire, Wales and the world.

Assessment Number:	987
Brief description:	Adoption and implementation of the proposed minimum standard which would impose a duty on all Council services to ensure all new build and major extensions/refurbishment construction projects are built to meet in use and embodied carbon targets.
Date Completed:	17/11/2021 16:45:23 Version: 1
Completed by:	Dave Lorey
Responsible Service:	Facilities, Assets & Housing
Localities affected by the proposal:	Whole County,

Who will be affected by the proposal?	Internal Services pursuing construction projects- can be any service area but especially Children and Education Services, Community Support Services. Users of the buildings that are built. Design and Construction Team within Finance and Assets Service to advice. Maintenance Team within Finance and Assets to manage buildings completed. External market- in terms of design team advice and methods of construction.
Was this impact assessment completed as a group?	Yes

IMPACT ASSESSMENT SUMMARY AND CONCLUSION

Before we look in detail at the contribution and impact of the proposal, it is important to consider how the proposal is applying the sustainable development principle. This means that we must act "in a manner which seeks to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs."

Score for the sustainability of the approach


 (3 out of 4 stars) Actual score : 30 / 36.

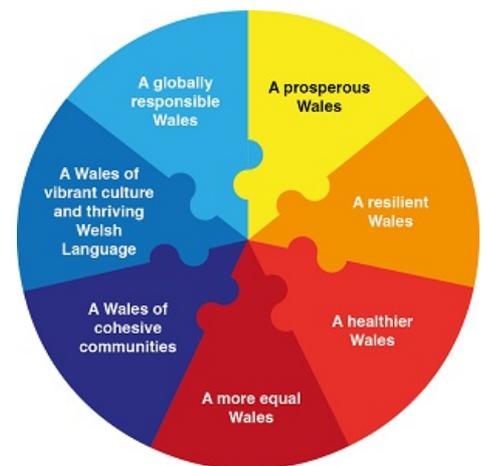
Summary for each Sustainable Development principle

Long term	Long term thinking central pillar of this proposal as well as positive contribution to climate change agenda. Plan for maintenance and management and training will become clearer post pilot phase suggested in implementation approach.
Prevention	Socio-disadvantage not a core theme of this proposal, but not expected to exacerbate. Proposal specifically about preventing harm to environment.
Integration	Proposal maximising on our influence to do well in tackling climate and ecological change and climate and nature crisis. We suspect that this proposal exemplifies the type of thinking embodied in the new LDP that is in development, leading/responding to e.g. Building Regulation change.
Collaboration	Proposal has been developed collaboratively between a number of internal service areas- BIM, Finance and Assets, Education and Childrens. Engagement with Cabinet, Lead Members, Climate Change and Ecological Emergency Political Working Group, SLT. Engagement externally with Welsh Government.
Involvement	Know and discussed financial impact. Know and discuss the rationale for environment impact. Have involved and engaged affected parties.

Summary of impact

Well-being Goals

A prosperous Denbighshire	Positive
A resilient Denbighshire	Positive
A healthier Denbighshire	Neutral
A more equal Denbighshire	Neutral
A Denbighshire of cohesive communities	Neutral
A Denbighshire of vibrant culture and thriving Welsh language	Neutral
A globally responsible Denbighshire	Positive



Main conclusions

Wellbeing impact Assessment balanced and key positive contribution to 3 of the 7 wellbeing goals- Prosperous, Resilient and Globally Responsible- with additionality provided in the other 4, particularly around culture and heritage.

Key action points around ensuring compatibility with biodiversity net gain in development and in ensuring the local market benefit from this growing green construction industry which will be pursued in standard's implementation if adoption approved.

Strong contribution to all the sustainability principals.

Evidence to support the Well-being Impact Assessment

- We have consulted published research or guides that inform us about the likely impact of the proposal
- We have involved an expert / consulted a group who represent those who may affected by the proposal
- We have engaged with people who will be affected by the proposal

THE LIKELY IMPACT ON DENBIGHSHIRE, WALES AND THE WORLD

A prosperous Denbighshire

Overall Impact	Positive
Justification for impact	Key benefits to low carbon and the growing green construction market.
Further actions required	Early market engagement with especially local suppliers to ensure sustainable supply chain for design and build of this nature.

Positive impacts identified:

A low carbon society	Proposal goes beyond building regulation/legislative requirement for the benefit of low carbon. Provides exemplar sites once implemented to help and influence others to build in similar ways.
Quality communications, infrastructure and transport	Build quality high. Improved energy resilience through integrated micro renewable energy generation on site. Helps the demand on grid.
Economic development	Potential to stimulate the local and national green construction market
Quality skills for the long term	Internally- upskilling design and maintenance staff and also informed client role. Externally- potentially stimulate the local and national green construction market
Quality jobs for the long term	potentially stimulate the local and national green construction market which is a growing market.
Childcare	n/a

Negative impacts identified:

A low carbon society	n/a
Quality communications, infrastructure and transport	n/a
Economic development	May be moving swiftly for local market and thus rely on national market for design&build
Quality skills for the long term	n/a
Quality jobs for the long term	n/a
Childcare	n/a

A resilient Denbighshire

Overall Impact	Positive
Justification for impact	Core pillar of proposal is on resilient build complementing environment and reducing energy consumption.

Further actions required	Proper mitigation, compensation and enhancement for net biodiversity gain from development. We will maximise on comm's and engagement and contractor involvement with community awareness via Community Benefit process. Maximise on mutual benefit for waste reduction and reuse in material selection/ design and build approach for example.
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Positive impacts identified:

Biodiversity and the natural environment	Proposed that the implement of this standard must be done in a way that is compatible to the Council's Ecologically Positive by 2030 goal with guidance provided.
Biodiversity in the built environment	Proposed that the implement of this standard must be done in a way that is compatible to the Council's Ecologically Positive by 2030 goal with guidance provided.
Reducing waste, reusing and recycling	Not featured heavily in this standard but compliments the sustainable approach to build e.g. adoption of this standard may mean options for refurb are progressed rather than demolition which generates more waste. Good mutual benefit around material choice- more readily lend to reuse.
Reduced energy/fuel consumption	Standard is all about reducing carbon embodied and in operation thus reducing energy and fuel consumption
People's awareness of the environment and biodiversity	Inherent in progressing a forward thinking approach to low carbon build will attract interest and we will maximise on comm's and engagement and contractor involvement with community awareness via Community Benefit process.
Flood risk management	Proposal compatible with SUDS

Negative impacts identified:

Biodiversity and the natural environment	Some biodiversity impacts may not be able to be avoided at some sites.
Biodiversity in the built environment	Some biodiversity impacts may not be able to be avoided at some sites.
Reducing waste, reusing and recycling	n/a
Reduced energy/fuel consumption	n/a
People's awareness of the environment and biodiversity	n/a
Flood risk management	n/a

A healthier Denbighshire

Overall Impact	Neutral
Justification for impact	Not the core purpose of the proposal but compatible with this wellbeing goal.
Further actions required	A well being lens to be taken through the design stage.

Positive impacts identified:

A social and physical environment that encourage and support health and well-being	Final build is likely to incorporate a higher proportion of green assets in a site which has been shown to support mental wellbeing, although can't be guaranteed for every site
Access to good quality, healthy food	n/a
People's emotional and mental well-being	Final build is likely to incorporate a higher proportion of green assets in a site which has been shown to support mental wellbeing, although can't be guaranteed for every site
Access to healthcare	n/a
Participation in leisure opportunities	n/a

Negative impacts identified:

A social and physical environment that encourage and support health and well-being	n/a
Access to good quality, healthy food	n/a
People's emotional and mental well-being	n/a
Access to healthcare	n/a
Participation in leisure opportunities	n/a

A more equal Denbighshire

Overall Impact	Neutral
Justification for impact	Proposal will not exacerbate protected characteristic/ disadvantage.
Further actions required	Through implementation and delivery of the builds, ensure community benefits will be progressed through procurement to the benefit of this wellbeing goal.

Positive impacts identified:

Improving the well-being of people with protected characteristics. The nine protected characteristics are: age; disability; gender reassignment; marriage or civil partnership; pregnancy and maternity; race; religion or belief; sex; and sexual orientation	n/a
People who suffer discrimination or disadvantage	n/a
People affected by socio-economic disadvantage and unequal outcomes	Through implementation and delivery of the builds, community benefits will be progressed through procurement
Areas affected by socio-economic disadvantage	Through implementation and delivery of the builds, community benefits will be progressed through procurement

Negative impacts identified:

Improving the well-being of people with protected characteristics. The nine protected characteristics are: age; disability; gender reassignment; marriage or civil partnership; pregnancy and maternity; race; religion or belief; sex; and sexual orientation	n/a
People who suffer discrimination or disadvantage	n/a
People affected by socio-economic disadvantage and unequal outcomes	n/a
Areas affected by socio-economic disadvantage	n/a

Overall Impact	Neutral
Justification for impact	Main benefit is around energy and rural resilience here, but on the whole neutral impact/
Further actions required	n/a

Positive impacts identified:

Safe communities and individuals	n/a
Community participation and resilience	Increased resilience from energy market/national provision through generation of onsite renewable energy.
The attractiveness of the area	Final build is likely to incorporate a higher proportion of green assets in a site which aesthetically can be more appealing.
Connected communities	n/a
Rural resilience	Increased resilience from energy market/national provision through generation of onsite renewable energy. Particularly relevant for sites which are not connected to gas which tend to be more rural.

Negative impacts identified:

Safe communities and individuals	n/a
Community participation and resilience	n/a
The attractiveness of the area	
Connected communities	n/a
Rural resilience	n/a

A Denbighshire of vibrant culture and thriving Welsh language

Overall Impact	Neutral
Justification for impact	Although heritage is supported well from this proposal, on the whole impact neutral.
Further actions required	n/a

Positive impacts identified:

People using Welsh	n/a
Promoting the Welsh language	n/a
Culture and heritage	Targets around embodied carbon may lead to increased proportion of refurbishment therefore retaining existing built environment and the culture and heritage inherent in that asset.

Negative impacts identified:

People using Welsh	n/a
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Promoting the Welsh language	n/a
Culture and heritage	n/a

A globally responsible Denbighshire

Overall Impact	Positive
Justification for impact	This standard goes above and beyond to ensure we tackling climate change and produce buildings fit for the future.
Further actions required	Early market engagement with especially local suppliers to ensure sustainable supply chain for design and build of this nature.

Positive impacts identified:

Local, national, international supply chains	Potentially stimulate the local and national green construction market which is a growing market.
Human rights	n/a
Broader service provision in the local area or the region	n/a
Reducing climate change	This standard goes above and beyond to ensure we tackling climate change and produce buildings fit for the future.

Negative impacts identified:

Local, national, international supply chains	May be moving swiftly for local market and thus rely on national market for design & build
Human rights	n/a
Broader service provision in the local area or the region	n/a
Reducing climate change	n/a