University Hospitals of North Midlands
NHS Trust

Presenters: Martin Peake
Business Development Manager: Beat the Cold

Saving Lives with Solar
Opportunity to invest in a healthy future
What
Why
What were we looking to achieve strategically

Fundamental for delivery:

• Collaborating and building local partnerships beyond the hospital walls
• A whole-systems approach, with focus on:
  
  o Environmental improvement
  o Preventing ill-health and reducing health inequalities
  o Supporting independence and self-management
  o Health promotion and living well
  o Workforce education and training
  o **Efficiency across the local health economy**

Project partners:

- UHN M (clinical and non-clinical divisions)
- Southern Staffordshire Community Energy (SSCE)
- Beat the Cold
- Local community
Excess winter deaths and morbidity and the health risks associated with cold homes

NICE guideline
Published: 5 March 2015
nice.org.uk/guidance/ng6
Why do this Respiratory
Why do this Elderly?
TRANSFORMING SERVICES AND SYSTEMS TO IMPROVE HEALTH OUTCOMES

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<tr>
<th>Improvement in the conditions in which we operate</th>
<th>![Solar panels]</th>
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**ENVIRONMENTAL**
- 3,797 tonnes CO₂ savings over the 20 year project life
- Resilient electricity supply
- Fit for the future and better preparedness
### TRANSFORMING SERVICES AND SYSTEMS TO IMPROVE HEALTH OUTCOMES

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<th>Improvement in the conditions in which we operate</th>
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<td><strong>SOCIAL</strong></td>
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<td>• Integration of a social determinant of health into re-admission pathways</td>
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<td>• The most vulnerable are selected by a combination of two datasets</td>
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<td>• Intensive training of front line staff from Elderly and Respiratory wards</td>
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<td>• System-wide focus on living well and supporting people to manage their lives in a positive way</td>
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HOW
## TRANSFORMING SERVICES AND SYSTEMS TO IMPROVE HEALTH OUTCOMES

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### ECONOMIC

- **£335,600** - Project investment, raised entirely by the public
- **£600,000** - Electricity purchase cost saving over the 20 year project life
- **Resilience** against grid price increases
- **£300,000** - Community Fund
- **100** patient home visits / year; reducing re-admission rates from cold homes
- **Further funding** to increase now flowing into project
## TRANSFORMING SERVICES AND SYSTEMS TO IMPROVE HEALTH OUTCOMES

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<td><strong>CHALLENGES</strong></td>
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<td>1. Moving at pace, and with multiple partners, in an NHS risk averse environment</td>
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<td>2. Requiring early buy in from Senior Leadership Team</td>
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<td>3. Working with clinicians on a none medical model, and integrating this into “normal”</td>
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<td>4. The Removal of the UK feed in Tariff</td>
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Community Energy
Professor John Middleton (President of the Faculty of Public Health) meets the project team

Thank you!
Any Questions?