



A New Model of Collaborative Community Benefit

University Hospitals of North Midlands



NHS Trust





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Saving Lives with Solar

- ❖ The UHNM NHS trust approached SSCE September 2015
- ❖ NHS invested +£15000 in EPCs
- ❖ 480kwp registered pre FIT reduction deadline
- ❖ Financial Modelling
- ❖ 283kwp - 8 buildings
- ❖ UREF
- ❖ PPA
- ❖ Roof Lease negotiation - February - August 2016
- ❖ Loan negotiated with Pure Leapfrog
- ❖ Share Raise- 25/7/2016- 25/9/2016
- ❖ Community Fund with impact



“It is heart-breaking to see frail older people coming to hospitals with low body temperature due to cold houses. This is totally preventable.”

Dr Amit Arora - UHNM Consultant in Care of Older People



- ❖ 11216 “not in good health” in Stoke
- ❖ 167 Excess Winter Deaths
- ❖ 3200 Unplanned cold related admissions A&E
- ❖ Stoke Highest UK rates of COPD
- ❖ 30% of GP posts vacant
- ❖ Highest Area of Fuel poverty in UK - 40.2%
- ❖ £8.3 million cost to UHNM NHS of poor housing
- ❖ £53 Million to fix this housing

“Respiratory problems are a common reason for a hospital admission and these are exacerbated if an individual lives in a cold environment”

Dr Martin Allen - UHNM Consultant managing COPD, respiratory medicine



UHNM Stoke A&E

+65 YEAR OLDS

- ❖ 15240 Ambulance calls
- ❖ 6900 to A&E
- ❖ 3100 Admitted
- ❖ 1187 “Frequent Fliers” cold related and respiratory diseases



£4.5 Million





**68888 Ambulance
trips to A&E**

**£0.6 Million
Electricity Inflation
Hedge**

**Power
Operating theatre
for 2859 hours**

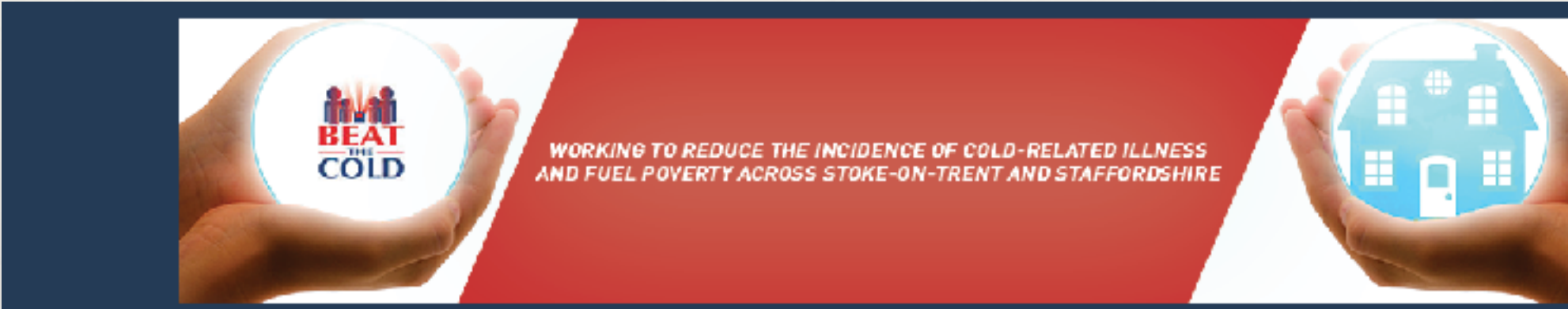
**Power
10645
MRI Scans**

**Power
87 Xray Machines
for a year**

**£294000
Community
Fund**

Progress to Date

- ◆ NEA Prize - Pilot
- ◆ Process built with A&E Consultants & Staff
- ◆ Training/ retraining / trust build
- ◆ Support British Gas/ EON/ CCG/ Stoke City Council
- ◆ 57 Referrals
- ◆ Full data support ex UHNM
- ◆ Primary Care interest and support
- ◆ Community Fund Year End



The banner features two hands holding a globe. The left hand holds a globe with the 'BEAT THE COLD' logo, which includes a stylized family icon. The right hand holds a globe with a house icon. The background is split into blue and red diagonal sections.

WORKING TO REDUCE THE INCIDENCE OF COLD-RELATED ILLNESS AND FUEL POVERTY ACROSS STOKE-ON-TRENT AND STAFFORDSHIRE

Beat the Cold (BTC) may be able to provide support to patients, who have conditions that are affected by poor housing conditions and specifically the inability to live in a comfortable heated environment in which to live. Please complete the eligibility question below and if the patient is eligible for assistance a referral can be made.

Eligibility Questions:

1. Patient diagnosed with respiratory condition (in particular, Chronic Obstructive Pulmonary Disease "COPD" and Childhood Asthma)

Or 2. Patient Aged 65+

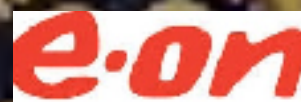
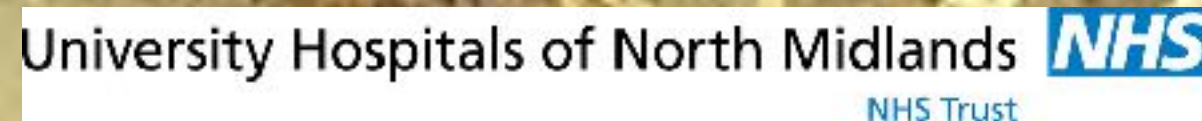
And 3. Residential Postcode ?

Postcode is listed above and answered "Yes" to one of the other questions? The patient is "Eligible" so please complete the form and submit referral via e-mail for action.

Postcode unlisted above ? The patient is "NOT Eligible" for assistance under the residential criteria and a referral cannot be submitted.
"A case of Hypothermia within the home ? - The criteria do not apply and a referral can be made."

Patient NHS Number	<input type="text"/>
Patient Medway ID	<input type="text"/>
Patient Salutation	<input type="text" value="Select"/>
Patient Family Name	<input type="text"/>

Community of Interest & Community of Place



COMMUNITY OF INTEREST & COMMUNITY OF PLACE

DEMOCRATIZATION

DECENTRALISATION



DIGITALISATION

DECARBONISATION

STOKE ELECTRICITY MARKET

£80 MIO

VAT £4MIO

TRANSMISSION CHARGES £3MIO

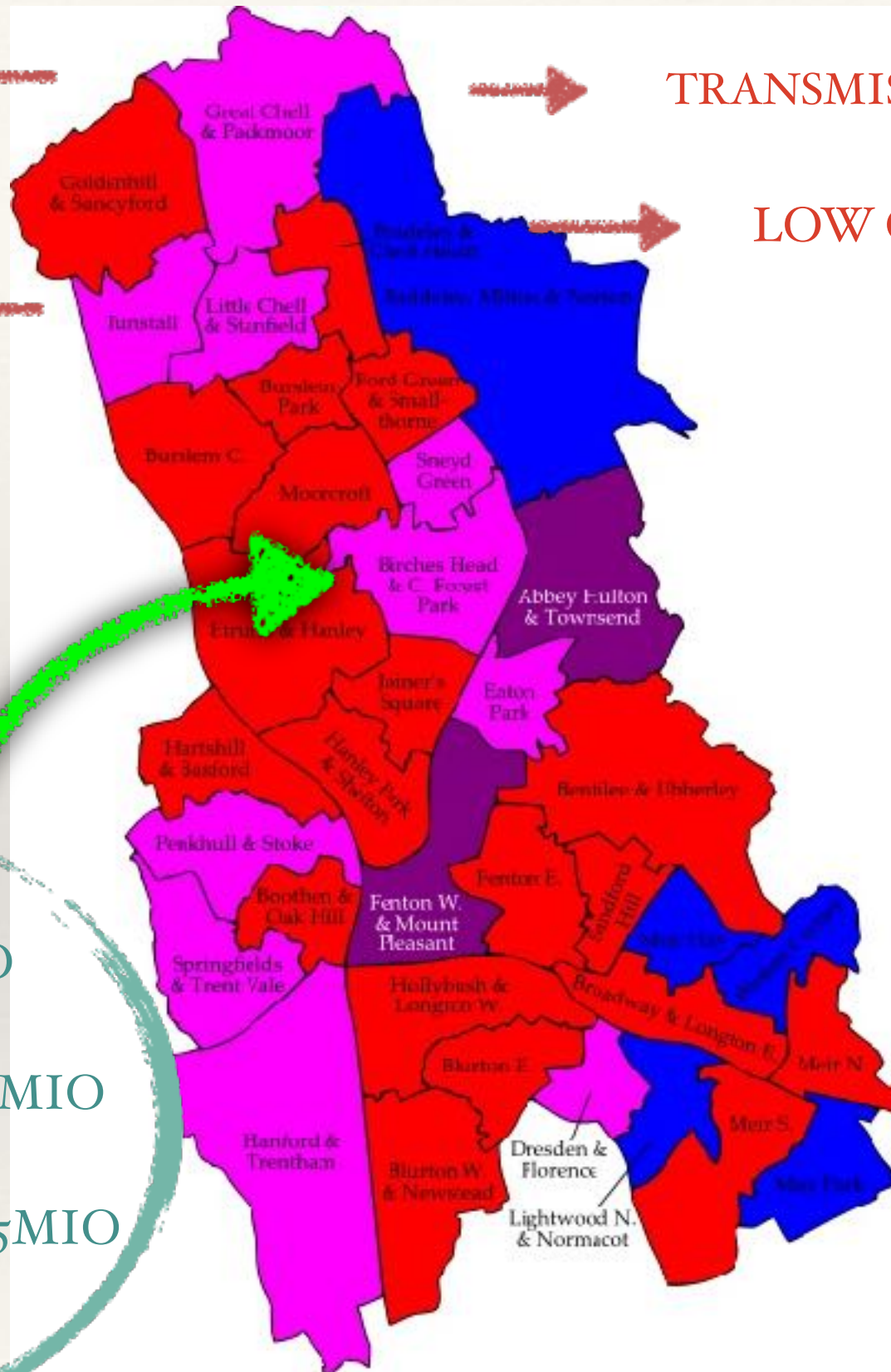
DISTRIBUTION CHARGES
£12 MIO

LOW CARBON LEVIES £7MIO

BALANCING £10MIO

SUPPLIER MARGIN £9MIO

WHOLESALE PRICE £35MIO



COMMUNITY OF PLACE & INTEREST

POTTERIES POWER

- ❖ Geothermal District Heating
- ❖ Large Inner City Brownfield Solar PV/Storage
- ❖ PV on Terrace Roofs with Power Share Tech
- ❖ Prudential/ Social Lending
- ❖ Panel Lifetime Depreciation
- ❖ Community Shares
- ❖ 7-9p kWh Production Cost
- ❖ Consumer discount min 30%
- ❖ Local Residents Customer Care- Rewarded
- ❖ £ Value Recognition of Health and Wellbeing Benefits



Community Energy Groups

Life can be understood backward, but it must be lived forwards

2012-15

Age of Enlightenment

Well Fed

Driven by deadline

Community small c

Monotech

Passive Partners

Ego

Burn out

2016 on

Dark Age & Renaissance

Lean- seed & project funding
Proof of efficacy of previous work

Strategic /Long Term

Community Benefit at core

Collaborative Partnership

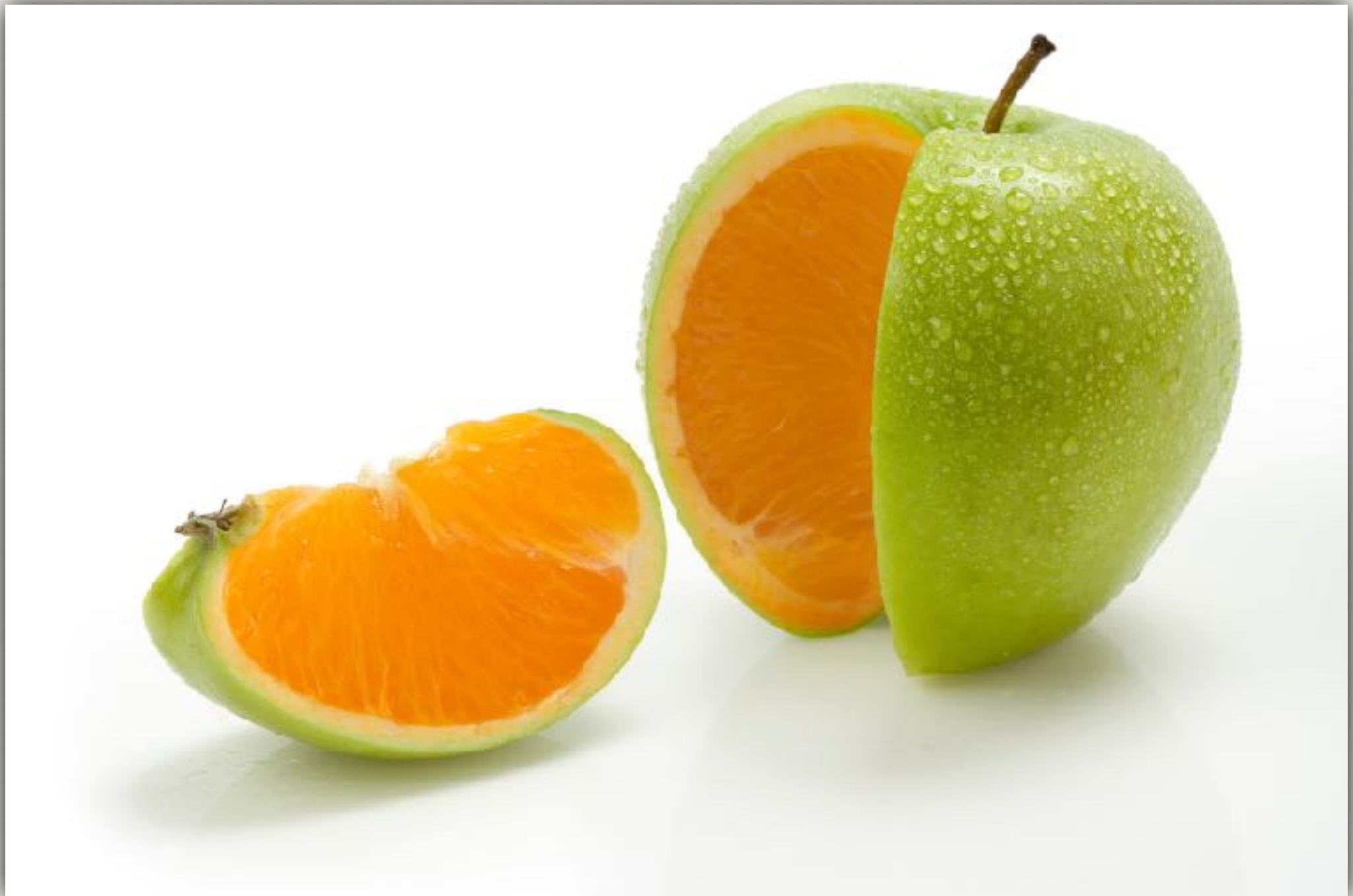
Clear roles & responsibilities/skills

Recruit & Reward

Multi Tech

Fun

Imagine what you Desire ..
Will what you Imagine...Create What you Will.



Thank You