



EA Credit

Renewable energy and carbon offsets

Meet some of energy use with renewable energy
or purchase green power, carbon offsets or RECs
(1-5 Points)



ESTABLISHMENT

Demonstrate
portion of energy
use met with
renewable systems
and/or contract in
place to purchase
resources

PERFORMANCE

Meet portion of
energy use with
renewable systems
and/or purchase
green power,
carbon offsets,
or RECs

WHAT

WHY

WHEN

WHO

HOW



A photograph of an industrial facility, likely a refinery or chemical plant, featuring large, horizontal, corrugated metal pipes in the foreground. In the background, there are more industrial structures, including a tall distillation column and various pipes, set against a clear blue sky. The scene is partially obscured by a large yellow rectangular overlay containing text.

INVESTIGATE AVAILABLE RENEWABLE ENERGY SYSTEMS, GREEN POWER, RECS AND CARBON OFFSETS

WHAT

WHY

WHEN

WHO

HOW

SCOPE 1

Direct greenhouse gas emissions from sources owned/controlled by the entity

SCOPE 2

Indirect GHG emissions associated with generation of purchased electricity, steam, hot water, or chilled water

WHAT

WHY

WHEN

WHO

HOW

APPLICATION OF OPTIONS

SOURCE	OPTIONS
non-electricity used on site	carbon offsets
electricity or purchased energy	REC's, green power, or carbon offsets

WHAT

WHY

WHEN

WHO

HOW

SCOPE 1

Direct greenhouse gas emissions from sources owned/controlled by the entity

SCOPE 2

Indirect GHG emissions associated with generation of purchased electricity, steam, hot water, or chilled water

WHAT

WHY

WHEN

WHO

HOW

Conduct cost-benefit analysis



ELIGIBLE RENEWABLE ENERGY TYPES

Photovoltaic

Solar thermal

Wind

Low-impact hydroelectricity

Wave and tidal energy

Geothermal energy (some cases)

Biofuel (some cases)



SET GOAL FOR
AMOUNT OF ENERGY
OR EMISSIONS TO
ADDRESS THROUGH
GENERATION AND
PURCHASING

WHAT

WHY

WHEN

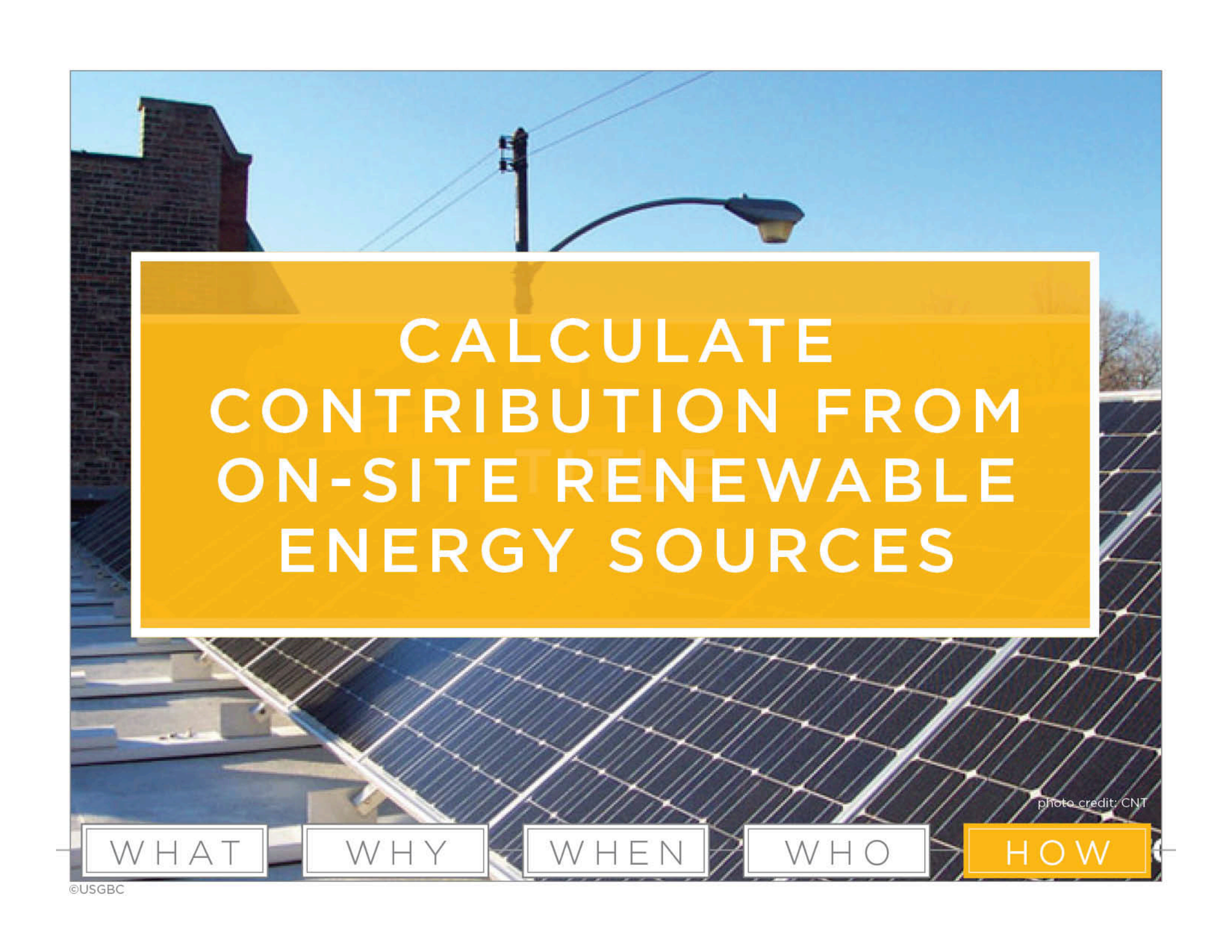
WHO

HOW



CALCULATE POINTS

$$\text{points} = \frac{\% \text{ renewable energy generated}}{1.5\%} + \frac{\% \text{ energy purchased/offset (not to exceed 100\%)}}{25\%}$$



CALCULATE CONTRIBUTION FROM ON-SITE RENEWABLE ENERGY SOURCES

photo credit: CNT

WHAT

WHY

WHEN

WHO

HOW



7.5%

of energy consumed

during performance period = renewable

Calculate total
percentage of green
power, RECs, and/or
offsets required
to meet goals





PURCHASE FROM A GREEN-e PROVIDER

Green-e

WHAT

WHY

WHEN

WHO

HOW



GLOBAL LEED

Green power, RECs and carbon offsets must be Green-e certified

or

Demonstrate equivalency



years minimum contract length
with commitment to review



CALCULATE POINTS

$$\text{points} = \frac{\% \text{ renewable energy generated}}{1.5\%} + \frac{\% \text{ energy purchased/offset (not to exceed 100\%)}}{25\%}$$