

MIDDLESEX CENTRE





2012-2017 Strategic Plan Promoting environmental initiatives

Middlesex Centre will become an environmentally sustainable green community that diminishes its impact on local surroundings.



How to encourage 'Green Building'...

- Financial rewards??
 - DC Reductions?...no
 - Building Permit Fees Discounts?...no
- Public Recognition

Accumulate Points from Sustainable and Efficient Technologies and Materials

- Points awarded by categories:
 - Sustainable Construction Techniques
 - Energy Conservation
 - Water Conservation
 - Indoor/Outdoor Air Quality
 - Waste Management Initiatives
 - Additional Items

Point Summary Checklists



Sustainability Checklist Residential Building / Development

an the time .		
Project Location:		
Applicant Name:	TOTAL	

SUSTAINABLE CONSTRUCTION TECHNIQUES

30320	Pomts	25,000	Dean	_
	25			
LEED	25		Subtoral (25 Total Points)	
Built Green, Green Globe, or Other (provide details)		1	Subtobi (2) 10:2111	

ENERGY CONSERVATION

NERGY CONSERVATION	Points	Score	Denails
	2		
all LED lighting installed in entire unit ill 'emert grid included by installed be implemented	2		
AND THE STATE OF T	2		
att the building be 'solar ready	5		
	2		
If a hot water recovery system be managed	2		
All a 'Green Roof' be installed Vill a true be planted on worth or west side of building to Vill a true be planted on worth or west side of building to	2		
uside shading of output	2		
Vill activities of building for shading	2		
e west tide of building for market do increase thading. Will window exemings be constructed to increase thading. Will window energy officiency be increased to enceed curve.	2		
Mill interpreted cappes pe increased to exceed criment enemals. Mill actualized enemals.	2	7	- Marini por
Will involved values of her the	_		Subtotal (25 total poin

WATER CONSERVATION

IIII.	Point	Score	Desais
W-2	2		
Will a onsite leaching pit be installed Will a grey water system for recycling water within the	5		
Will a gray writed Will building or property be equipped with rain water	5		
harvering techniques	2		
harvesting techniques Will pre-heating water technology be installed Will previous concrete be utilized in building process to	2		
And Resiscating or quotient assistant jumps caking po quote compay status assist.	2	1	Subtotal (15 total points)
with Varacaping of dronger research			1411

INDOOR OUTDOOR AIR QUALITY

Will a green driveway be invalled (turf blocks)	Pomb	Score	Details
Will a 1921 yard tree be planted	2		
Will a HRV / ERV be installed	2	1	
Will enhanced could as your to	2		
	2		
Will there be any additional	2		
(operable window in garage in extense)	2		
Termina	1		Subtotal (12 points total)

SUSTAINABLE CONSTRUCTION METHODS

Well ICF construction be used (5 points per level)	Points	Score	Denile
the good action of the control of th	(1		
Will himber used for construction come from a sustainably harvested source	2		
harvested source	2		

WASTE MANAGEMENT INITATIVES

Will construction material be recycled or diverted from landfill?	Pounts	Score	Details
Will any melains 4	2		
Will separation of	2	1 7	
son-recycled material be reparated from recycled material)	2		
. January and the state of the			Subtobil /6 pol

ADDITIONAL DETAILS / ITEMS

	Point	6	1-
	1,000	90000	Dotails.
Day 1			Subton
Date Received			
Applicants Name			
Signature			
Аррессы	15		
Comments	Date		
Y-w			

Planning and Development Services 10227 Educate Rd Dilector Commis 519 868 0190

Sustainable Construction Techniques

 Automatic 25 points if applied for a recognized program such as:



- LEED
- Green Globe
- Built Green
- Energy Star
- Other







Examples of Energy Conservation

- Exceed Insulation Req.
- Exceed Window Req. + tint
- Solar Panel ready or Installed
- Electric Car ChargingStation Rough-in







Examples of Energy Conservation, cont.

- Insulating Concrete Form Foundation
- LED Lighting
- Shade Tree on West Face







Examples of Energy Conservation, cont.

- Solar Tube Lighting
- Drain Water Heat Recovery





Water Conservation

- Onsite leaching pit
- Greywater Recycling
- Pervious Concrete
- Rainwater Harvesting
- Preheating Hot Water
- Tankless Water Heater









Indoor/Outdoor Air Quality

 Exterior Window in Garage to reduce pollution and allow natural light

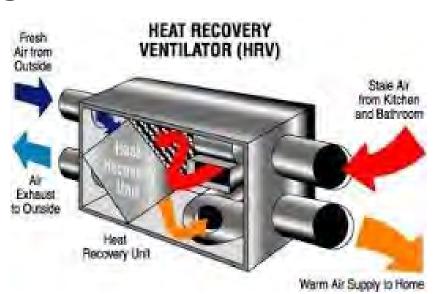


 Low VOC Materials indoors (ie: Paints, Carpeting, Stains)

• Rear Yard Tree

HRV





Sustainable Construction Methods

Structurally Insulated Panels

 Use of reclaimed materials such as barn wood beams or bricks



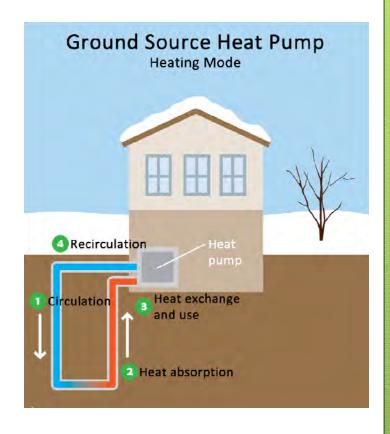




Sustainable Construction Methods

- Lumber Sustainably Harvested
- Geothermal





Waste Management Initiatives

- Separation of Wastes
- Recycling and diverting from landfill





- Annual Recognition:
 - Green Builder Recognition at year's end
 - Website update
 - Green page
 - Green Links
 - Builders who've built green



2016 Recipients



- Wall to Wall Construction
- RiverstoneDesign &Build
- Sifton
 Properties Ltd