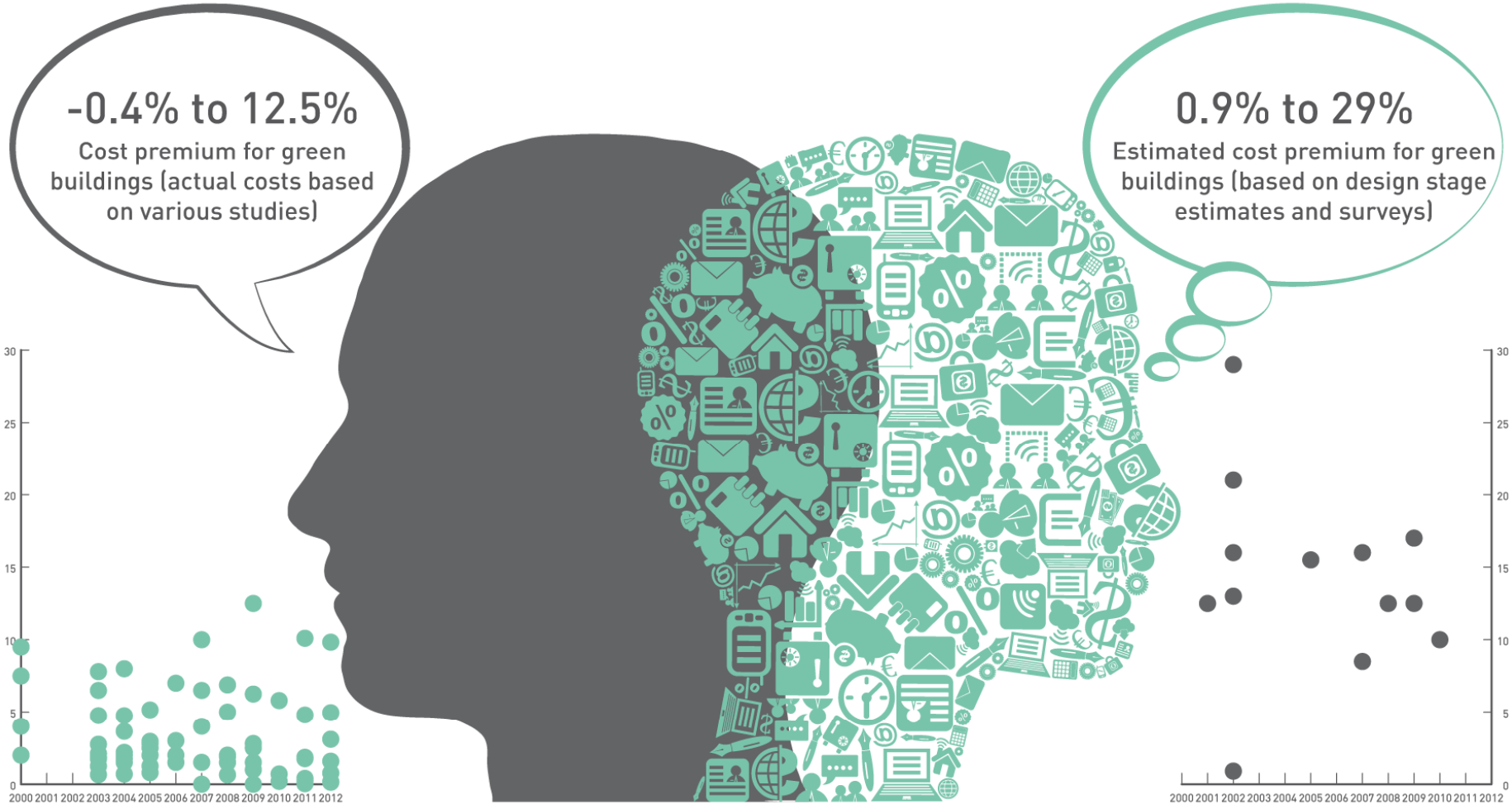
CONSTRUIR VERDE

efectividad y costo-efectividad de medidas sostenibles en construcciones nuevas y existentes

THE PERCEPTION GAP



Costs of building green vs. industry perception of costs

La industria de la construcción sustentable es una ponderosa comunidad compuesta por una gran variedad de personas comprometidas con la construcción sustentable de diversas maneras.

"Los empleadores están relacionando cada vez más la salud y satisfacción de sus empleados con lugares de trabajo más seguros y ecológicos, y con menos horas de viaje en tránsito pesado. Para muchas empresas, las construcciones sustentables son una ventaja competitiva que ayudan a atraer y retener a los mejores y más capaces."*

Se calcula que el mercado de la construcción sustentable es de **$96-140 mil millones** con **835 millones** de pies cuadrados construidos en 2013**

Número proyectado de profesionales de la construcción sustentable o industria relacionada en 2013: **8 millones**.**

Para el año 2016, se espera que el mercado crezca a **$204 -$248 mil millones**.***

Hoy, el **35 por ciento** de todos los trabajos de construcción de EE.UU. son sustentables y están ayudando a la economía.***

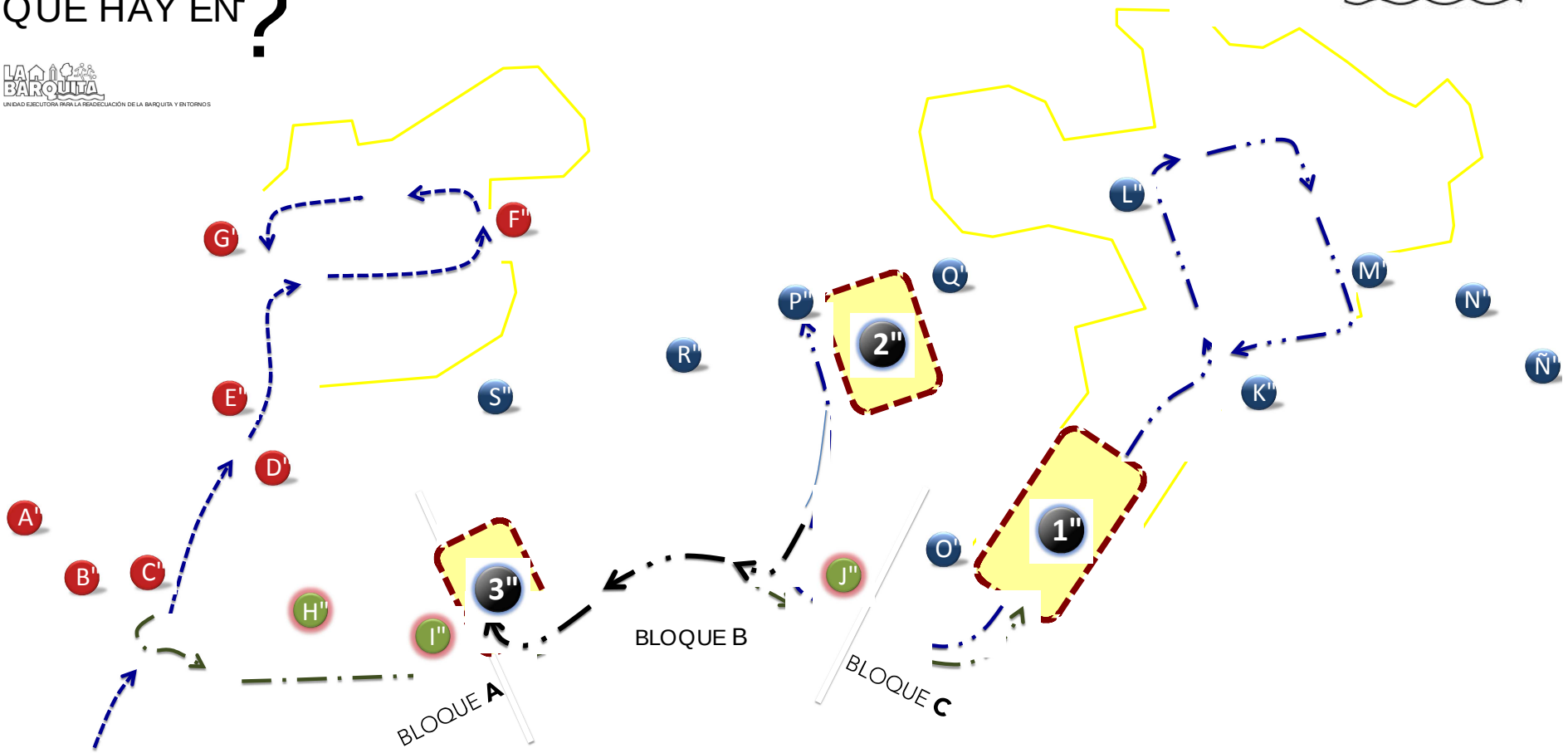
La construcción sustentable en EE.UU. **aumentó al 44%** en 2012 y se espera que alcance el 55% para 2016.***

SCALING UP
FROM GREEN BUILDINGS TO GREEN CITIES

QUÉ HAY EN?

LA BARQUITA
UNIDAD EJECUTORA PARA LA READECUACIÓN DE LA BARQUITA Y ENTORNOS

LA NUEVA BARQUITA



EQUIPAMIENTOS

A	Tanque de Agua
B	Iglesia Evangélica / Multiuso
C	Centro de Capacitación y Producción PROGRESANDO
D	Centro de Atención a deambulantes con discapacidad mental
E	Destacamento POLICIA
F	Plaza Publica bloque " A"
G	Área deportiva y recreativa (Campo de Futbol, 3 Canchas mixtas, área de Picnic, Skate Park, Camino Bici-cross)
H	Liceo La Zafra – LNB
I	Centro de Atención Primaria
J	Estancia Infantil
K	Iglesia Católica
L	Plaza Publica bloque " C"
M	Plaza Cívica, mirador
N	Anfiteatro
Ñ	Muelle Acuabus
O	Área deportiva (Campo de Beisbol, 2 Canchas mixtas, Camino Bici-cross)
P	Plaza Publica bloque " B"
Q	Planta de Tratamiento bloque " C"
R	Planta de Tratamiento bloque " B"
S	Planta de Tratamiento bloque " A"

FAMILIAS
2016
ENERO
MARZO

		TRAMOS
1er.	980m	7min, 21seg
2do.	650m	4min, 52seg.
3er.	1,270m	9min, 32seg.
4to	430m	3min, 13seg.

LONGITUD TOTAL RECORRIDO **3.35 Km**
Velocidad promedio 10Km/h
Tiempo de visita y recorridos 45min.

Paradas y desmontes pasajeros de Autobús

1" USO MIXTO DE EDIFICACIÓN COMERCIOS

2" PLANTAS DE TRATAMIENTO

3" APARTAMENTO MODELO grupos de 12 convocados y acompañantes máx.

MINISTERIO ADMINISTRATIVO DE LA PRESIDENCIA

LA NUEVA BARQUITA

LA NUEVA BARQUITA

LA NUEVA BARQUITA

LA NUEVA BARQUITA

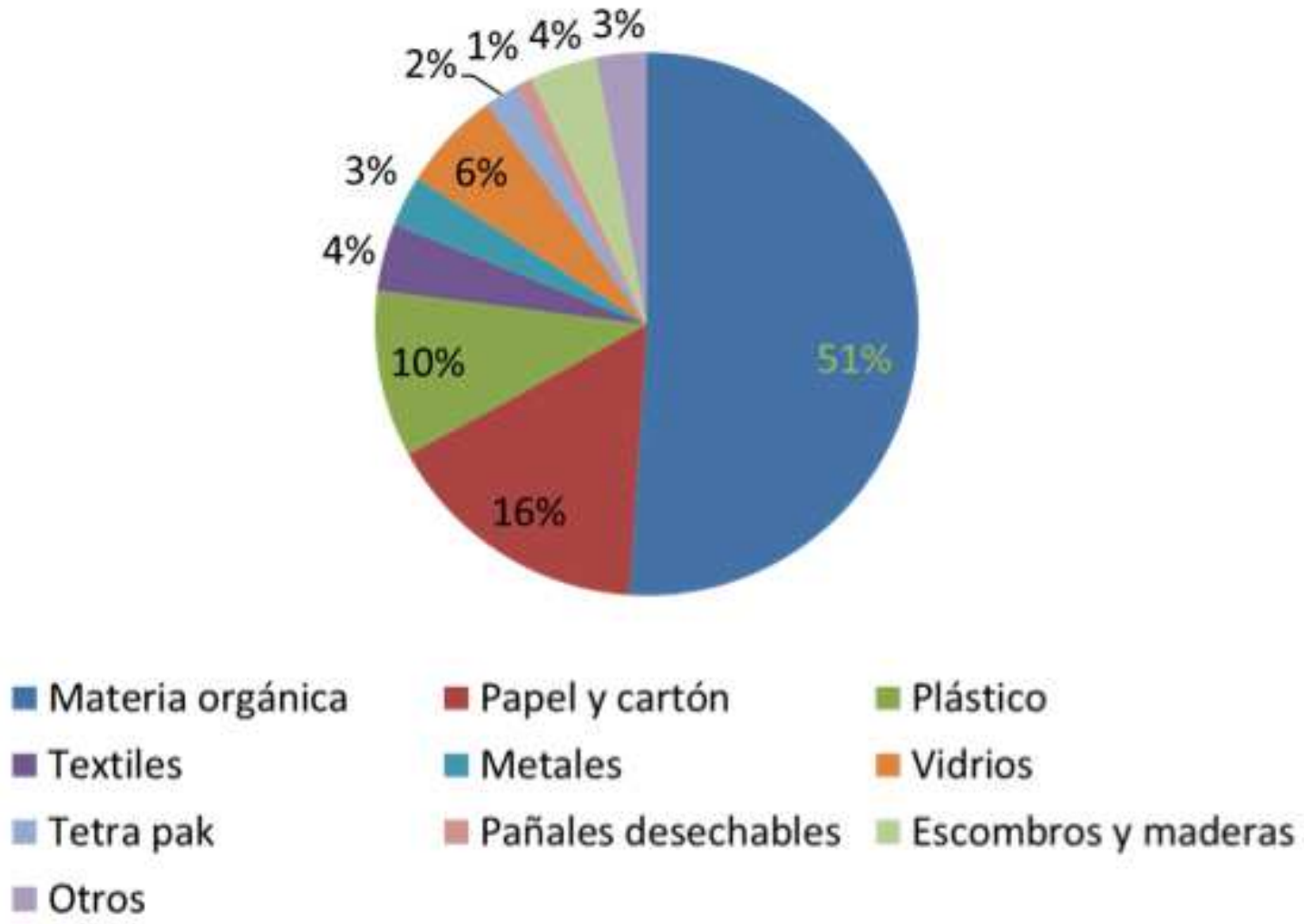
LA NUEVA BARQUITA

en **República Dominicana** se estima que se producen unas **11,000** toneladas diarias de residuos sólidos, se estima que un **38%** es material reciclable que en su gran mayoría se desecha, llegando a más de 328 vertederos a cielo abierto.

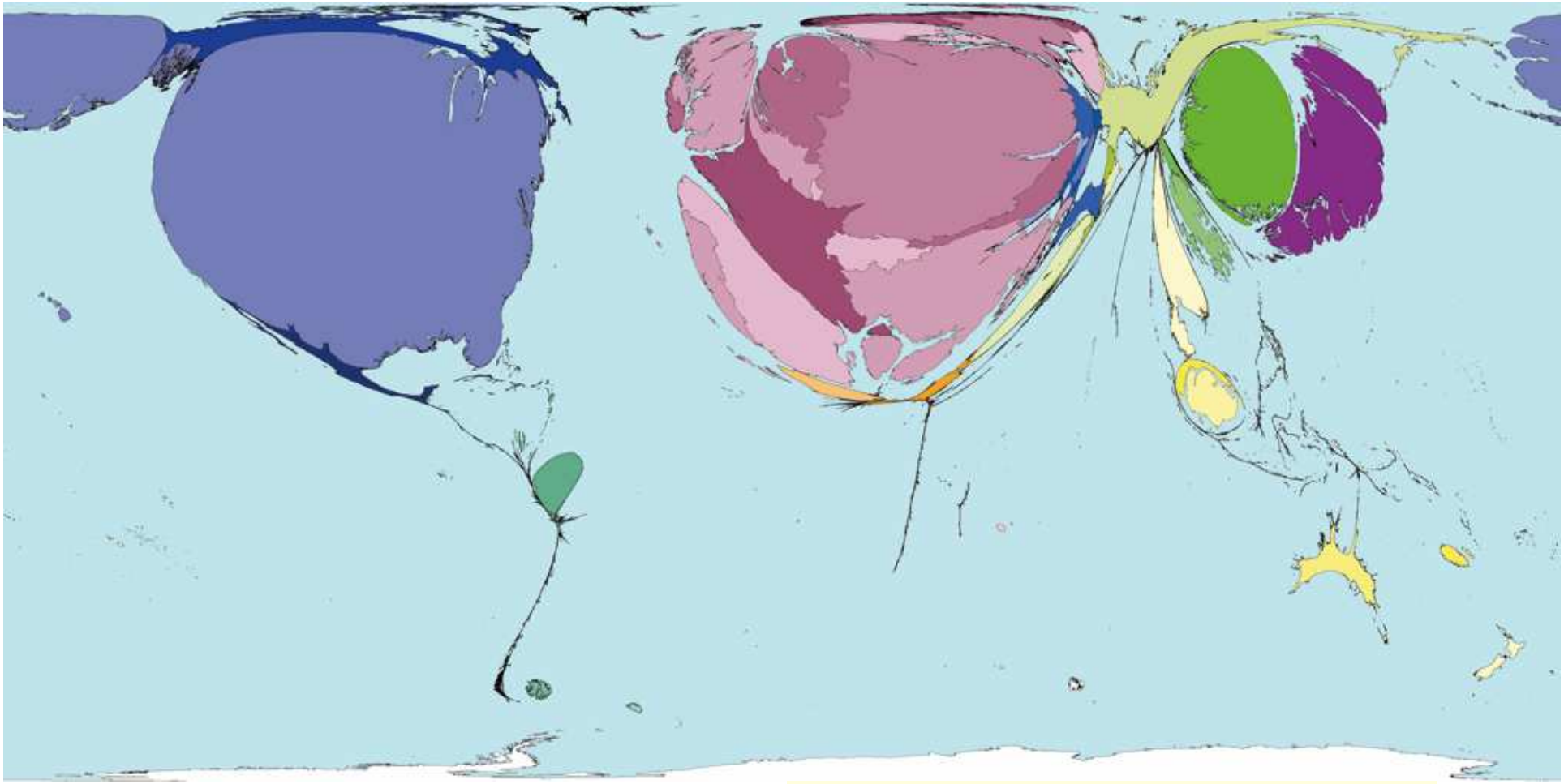
fuente> ECORED


SANTO DOMINGO
SU MÁSCARA AQUÍ

Composición de residuos sólidos en RD



fuente> ECORED



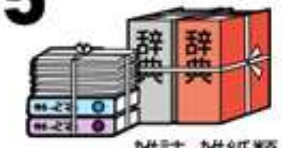
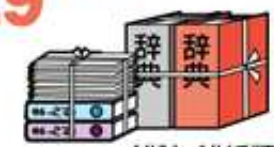
MOST RECYCLING OF WASTE

Rank	Territory	Value
1	Singapore	433
2	Hong Kong (China)	280
3	Netherlands	279
4	Norway	264
5	Germany	247
6	Denmark	230
7	United States	212
8	Luxembourg	201
9	Israel	184
10	Switzerland	180

*kilogrammes of waste recycled per person per year**

Rank	Territory	Value
1	Netherlands	45.2
2	Republic of Korea	44.0
3	Germany	41.7
4	Singapore	41.3
5	Norway	38.8
6	Sweden	38.7
7	Hong Kong (China)	36.3
8	Denmark	34.6
9	Canada	32.2
10	Israel	30.8

percentage of municipal waste recycled, 2002

月 Mon	火 Tue	水 Wed	木 Thu	金 Fri
31	1 ルール確認！→p.18  雑誌・雑紙類	2  新聞 なるべく販売店の回収へ	3 牛乳パック類   可燃  古着・毛布 古布類	4  かん  不燃  有害・危険ごみ
7  可燃	8	9  ペットボトル・発泡トレー 発泡スチロール	10  可燃	11  びん  不燃  有害・危険ごみ
14  可燃  段ボール	15  雑誌・雑紙類	16  新聞 なるべく販売店の回収へ	17 牛乳パック類   可燃  古着・毛布 古布類	18  かん  不燃  有害・危険ごみ
21  可燃	22	23  ペットボトル・発泡トレー 発泡スチロール	24  可燃 ルール確認！→p.15	25  びん  不燃  有害・危険ごみ
28  可燃  段ボール	29 昭和の日  雑誌・雑紙類	30  新聞 なるべく販売店の回収へ	1	2

※新聞紙をはじめ、資源物は
なるべく販売店の回収や集団回収へ
（18ページを参照してください）

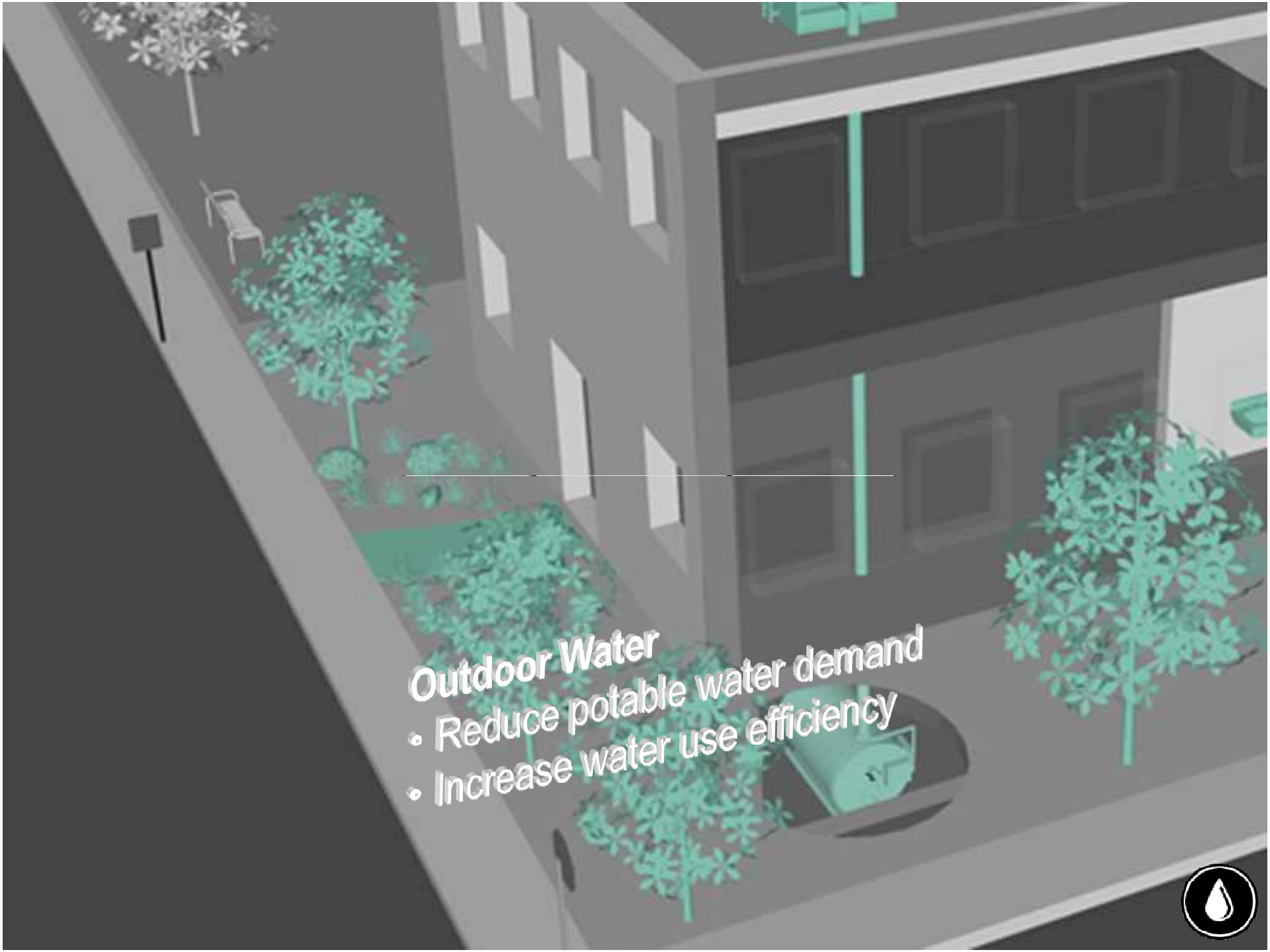

DEPOSITA AQUÍ ESTOS MATERIALES
DEPOSITA AQUÍ
ESTOS MATERIALES
Viejo San Juan
Reciclas
RECYCLE HERE
Thank you for keeping our community clean!
Our Community, recycling MORE than ever before!
PLASTIC BOTTLES
JARS & GLASS BOTTLES
TIN & STEEL ALUMINUM CANS
PAPER & CARDBOARD
PLEASE SEE ATTENDANT FOR OTHER RECYCLING OPTIONS.

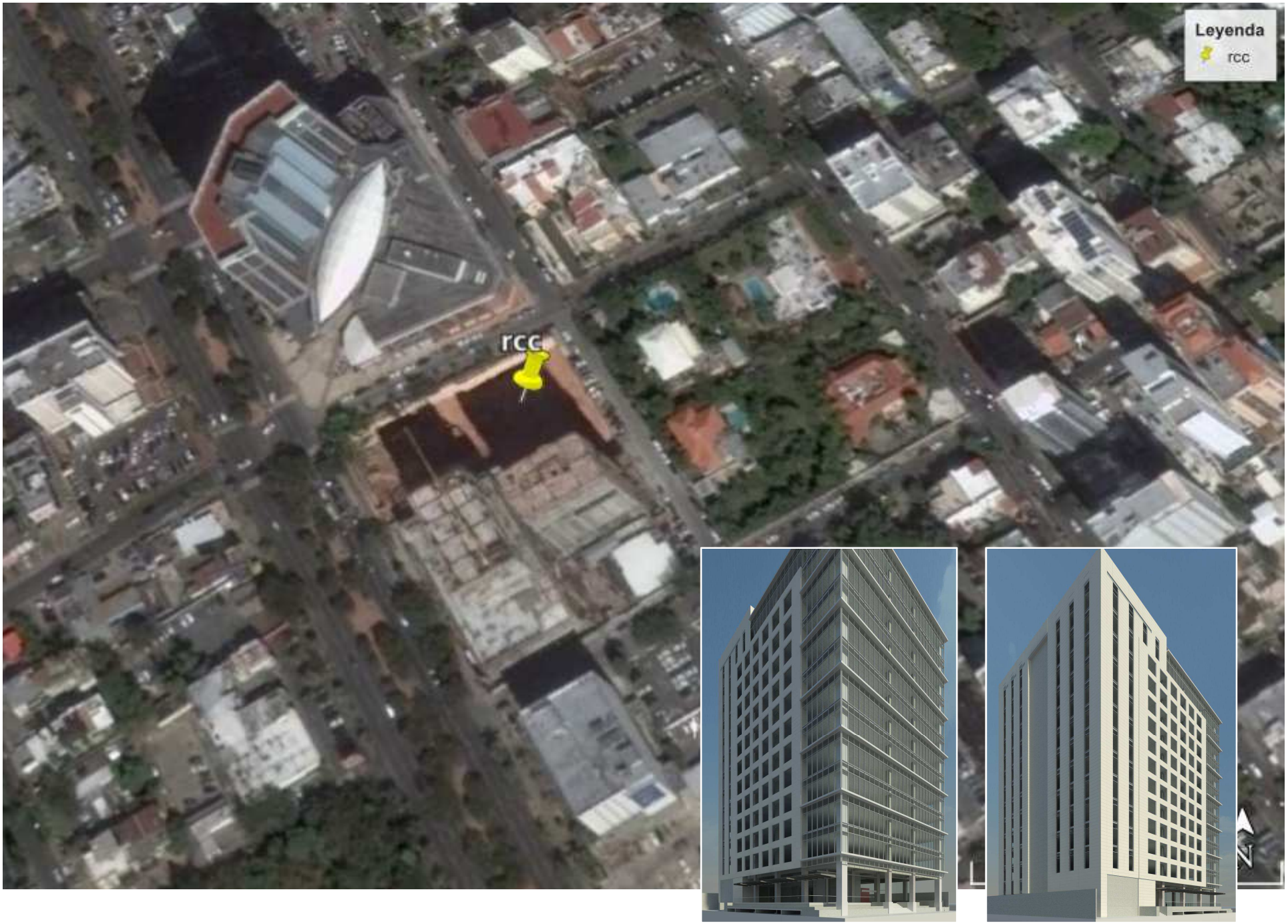

RECICLADORA
DEL CIBAO S. R. L.
"Porque todo puede tener otra vida"


IPC RECYCLING
& BUY-BACK
CENTRE


Pick Up Service For
Bulky Items
03-9021 1883
Kitar Semula Untuk Amal
Go Green, Recycle For Charity
03-9021 1888
Go Green, Recycle for Charity ™
We vow to serve from our heart and soul towards a greener,
cleaner, caring and harmonious Malaysia
Green Earth Missio
Together We Can Green the Earth


Process Water
Indoor
Regulated Water
Outdoor Water


Outdoor Water
• Reduce potable water demand
• Increase water use efficiency


Leyenda
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AUTODESK.

RCCSD - EA_biminstructor

RCCSD - EA_biminstructor Analysis

Analyzed at 7/28/2015 7:56:41 PM

Energy Analysis Result

Building Performance Factors

Location:	18.469152455615,-69.9387664794922
Weather Station:	120848
Outdoor Temperature:	Max: 33°C/Min: 19°C
Floor Area:	14,722 m²
Exterior Wall Area:	2,061 m²
Average Lighting Power:	9.69 W / m²
People:	531 people
Exterior Window Ratio:	3.39
Electrical Cost:	$0.21 / kWh
Fuel Cost:	$0.78 / Therm

Energy Use Intensity

Electricity EUI:	171 kWh / sm / yr
Fuel EUI:	29 MJ / sm / yr
Total EUI:	643 MJ / sm / yr

Life Cycle Energy Use/Cost

Life Cycle Electricity Use:	68,733,150 kWh
Life Cycle Fuel Use:	11,713,380 MJ
Life Cycle Energy Cost:	$6,498,905

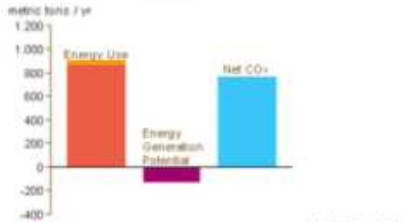
*30-year life and 6.1% discount rate for costs

Renewable Energy Potential

Roof Mounted PV System (Low efficiency):	108,379 kWh / yr
Roof Mounted PV System (Medium efficiency):	216,757 kWh / yr
Roof Mounted PV System (High efficiency):	325,136 kWh / yr
Single 15' Wind Turbine Potential:	2,652 kWh / yr

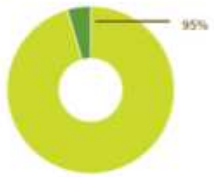
*PV efficiencies are assumed to be 5%, 10% and 15% for low, medium and high efficiency systems

Annual Carbon Emissions



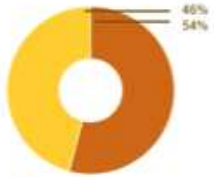
	(metric tons / yr)
Electricity Consumption	973
Fuel Consumption	19
Roof PV Potential (High Efficiency)	-124
Single 15' Wind Turbine Potential	-1
Net CO2	867

Annual Energy Use/Cost



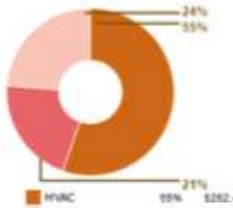
Electricity	95%	$474,259	2,291,105	kWh
Fuel	5%	$2,900	390,446	MJ
		$477,159		

Energy Use: Fuel



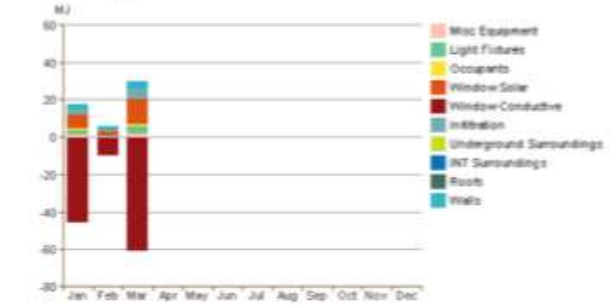
			(MJ)
HVAC	54%	$1,570	211,408
Domestic Hot Water	46%	$1,329	179,037
		$2,899	390,445

Energy Use: Electricity

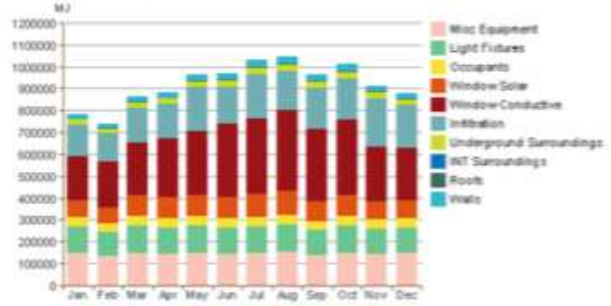


			(kWh)
HVAC	55%	$262,469	1,268,054
Lighting	21%	$99,015	478,336
Misc Equipment	24%	$112,783	544,702
		$474,267	2,291,102

Monthly Heating Load

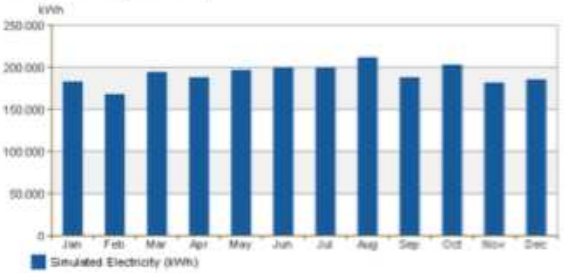


Monthly Cooling Load



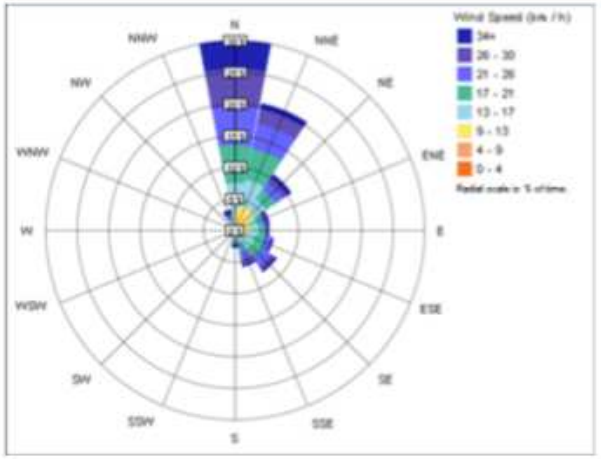
Monthly Fuel Consumption

Monthly Electricity Consumption

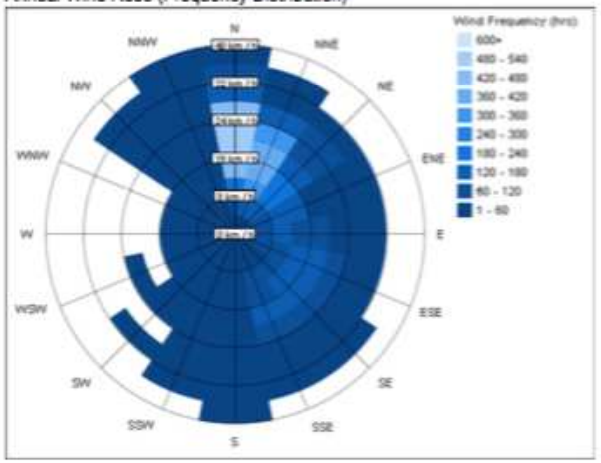


Monthly Peak Demand

Annual Wind Rose (Speed Distribution)



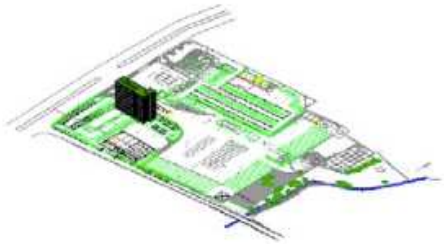
Annual Wind Rose (Frequency Distribution)



Monthly Wind Roses

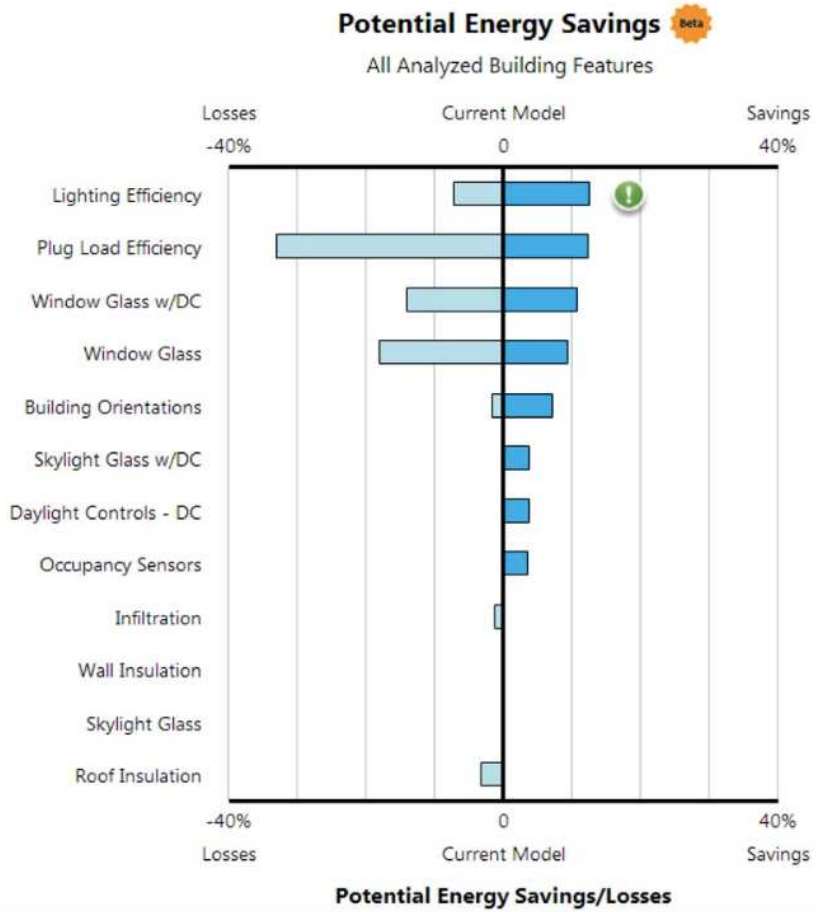
Location:	Ciudad Modelo Mirador Norte, Santo Domingo
Weather Station:	120848
Outdoor Temperature:	Max: 33°C/Min: 19°C
Floor Area:	2,479 m²
Exterior Wall Area:	242 m²
Average Lighting Power:	10.87 W / m²
People:	161 people
Exterior Window Ratio:	7.42
Electrical Cost:	$0.21 / kWh
Fuel Cost:	$0.78 / Therm

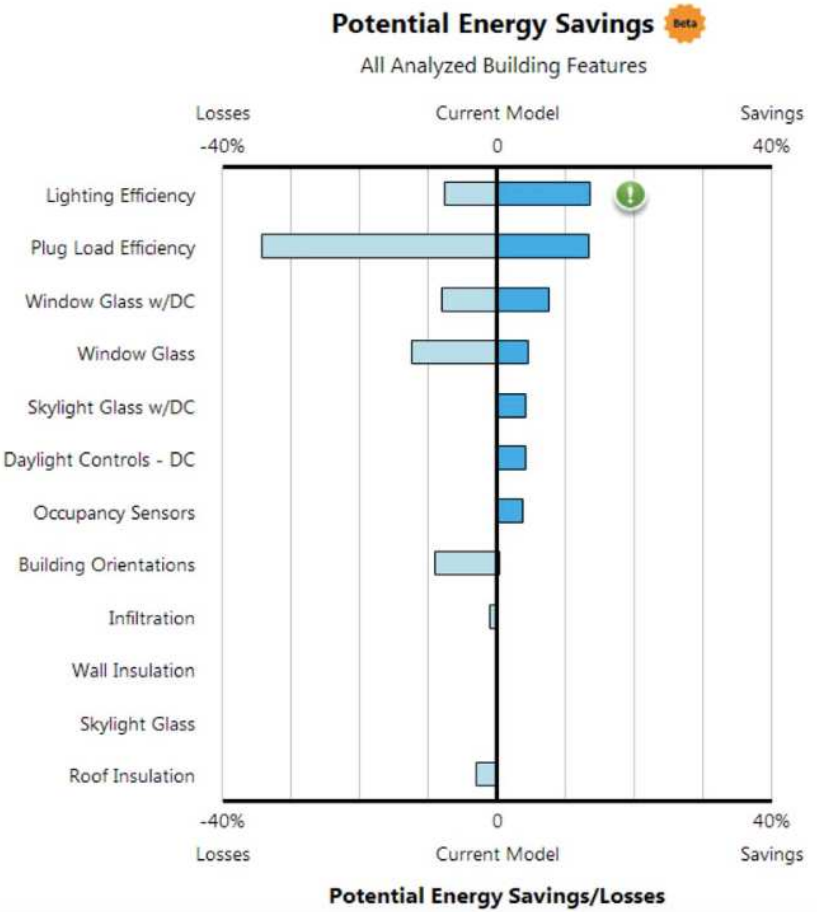
Electricity EUI:	202 kWh / sm / yr
Fuel EUI:	12 MJ / sm / yr
Total EUI:	738 MJ / sm / yr



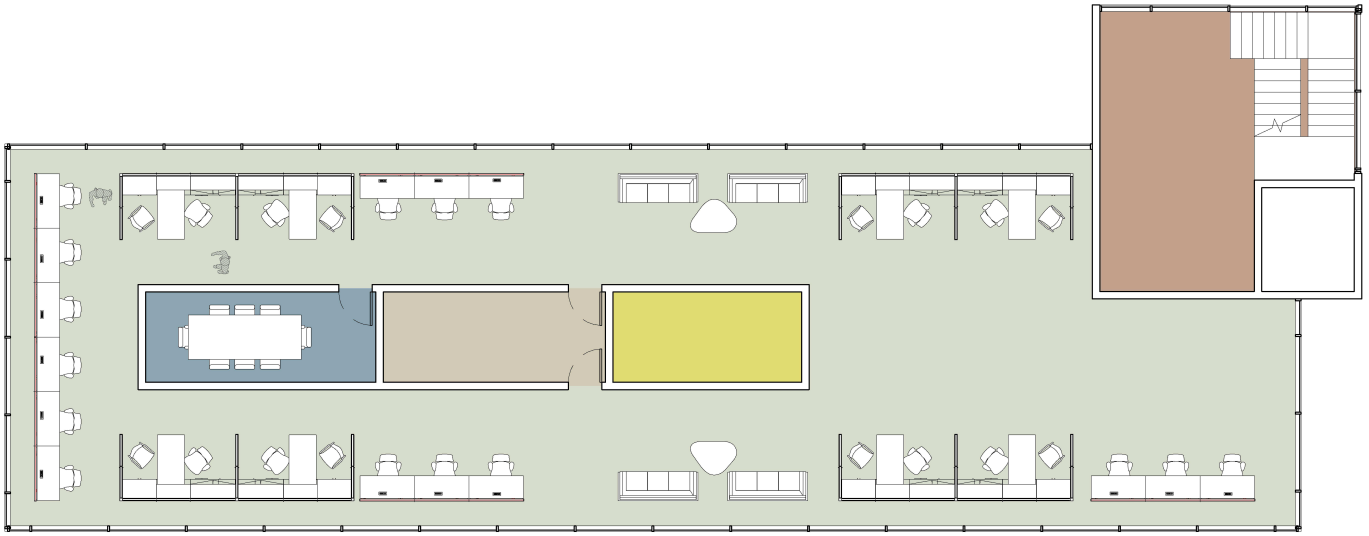
Location:	18.5453796386719,-69.9521636962891
Weather Station:	120848
Outdoor Temperature:	Max: 33°C/Min: 19°C
Floor Area:	2,479 m²
Exterior Wall Area:	242 m²
Average Lighting Power:	10.87 W / m²
People:	161 people
Exterior Window Ratio:	7.42
Electrical Cost:	$0.21 / kWh
Fuel Cost:	$0.78 / Therm

Electricity EUI:	188 kWh / sm / yr
Fuel EUI:	12 MJ / sm / yr
Total EUI:	688 MJ / sm / yr


Potential Energy Savings
Beta
All Analyzed Building Features
Losses
Current Model
Savings
-40%
0
40%
Lighting Efficiency
Plug Load Efficiency
Window Glass w/DC
Window Glass
Building Orientations
Skylight Glass w/DC
Daylight Controls - DC
Occupancy Sensors
Infiltration
Wall Insulation
Skylight Glass
Roof Insulation
-40%
0
40%
Losses
Current Model
Savings
Potential Energy Savings/Losses


Potential Energy Savings
Beta
All Analyzed Building Features
Losses
Current Model
Savings
-40%
0
40%
Lighting Efficiency
Plug Load Efficiency
Window Glass w/DC
Window Glass
Skylight Glass w/DC
Daylight Controls - DC
Occupancy Sensors
Building Orientations
Infiltration
Wall Insulation
Skylight Glass
Roof Insulation
-40%
0
40%
Losses
Current Model
Savings
Potential Energy Savings/Losses

ANALISIS ENERGETICO



AREA GENERAL OFICINAS

RECEPCION CIRCULACION VERTICAL

REUNIONES

SERVICIOS HIGIENICOS

SOPORTE TECNICO

7 NIVELES DE OFICINAS

AREA GENERAL POR NIVEL= 399.54m2

AREA APROVECHABLE DE TECHO PARA PANELES FOTOVOLTAICOS= 341.8

AREA APROVECHABLE DE TECHO PARA PANELES FOTOVOLTAICOS=4500m2

VALORES APROXIMADOS DE CONSUMO

CONSUMO ENERGETICO POR AÑO= 26,900.63 KWh

COSTO ENERGETICO POR AÑO= US$185,614.08

CONSUMO ENERGETICO POR MES= 2,241.72 KWh

COSTO ENERGETICO POR MES= US$15,467.84

ANALISIS ENERGETICO

EL AREA APROVECHABLE SOBRE PARQUEOS PARA LA INSTALACION DE PANELES FOTOVOLTAICOS APORTARIA LOS SIGUIENTES VALORES DE AHORRO ENERGETICO:

EN 5% DE EFICIENCIA= **266,906.25 KWh/año**, LO QUE CORRESPONDE A UN AHORRO DE **30.20%** ANUAL EQUIVALENTE A **US$56,050.30/año – US$4,670.86/mes**

EN 10% DE EFICIENCIA= **533,812.50 KWh/año**, LO QUE CORRESPONDE A UN AHORRO DE **60.39%** ANNUAL EQUIVALENTE A **US$112,100.63/año – US$9,341.72/mes**

Green buildings for a smarter world.

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IFC | International Finance Corporation
WORLD BANK GROUP


ARCHITECTS


DEVELOPERS


BANKS


BUILDING OWNERS


HOMEOWNERS


GOVERNMENTS


AUDITORS


ENGINEERS

Excellence In Design For Greater Efficiencies

AN INNOVATION OF IFC International Finance Corporation WORLD BANK GROUP

Homes | Hotels | Retail | Offices | Hospitals

RESULTS							
Final Energy Use	240.7	kWh/Month/Unit	Operational CO_2 Savings	0.2	tCO_2/Year	Base Case Utility Costs	136 $/Month/Unit
Final Water Use	5	kL/Month/Unit	Embodied Energy Savings	-7.7	MJ	Utility Costs Reduction	33 $/Month/Unit

Version 2.0.0

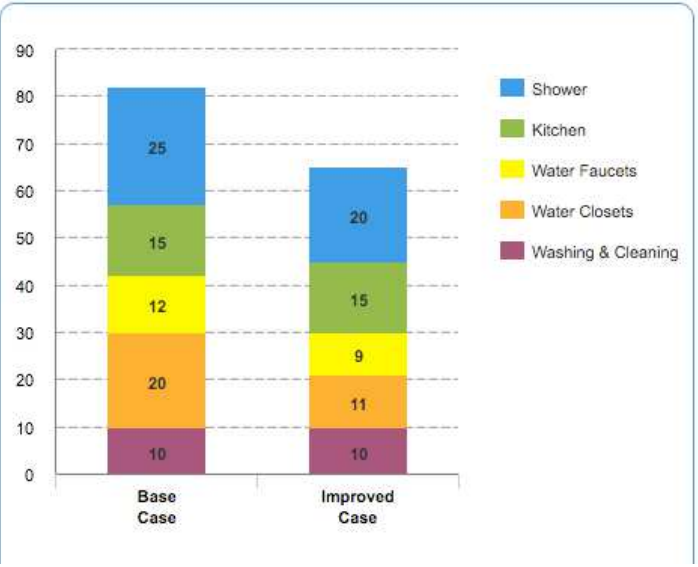
Design | Energy: 24.46% | Water : 20.8% | Materials: 2.3% | Preliminary | File

Water Efficiency Measures

Select options from the list below — *Edit default values, if required*

HMW01	☑	Low-Flow Showerheads - 8 lt./min	Lt./min
HMW02	☐	Low-Flow Faucets for Kitchen Sinks -10 lt./min	Lt./min
HMW03	☑	Low-Flow Faucets for Washbasins - 6 lt./min	Lt./min
HMW04	☑	Dual Flush for Water Closets - 6 lt./first flush and 3 lt./second flush	1st - Lt./flush
			2nd - Lt./flush
HMW05	☐	Single Flush for Water Closets - 6 lt./flush	Lt./flush
HMW06	☐	Rainwater Harvesting System - 50% of Roof Area Used for Rainwater Collection	% of Roof Area Used
HMW07	☐	Recycled Grey Water for Flushing	
HMW08	☐	Recycled Black Water for Flushing	

20.8% **Meets EDGE Water Standard**



Excellence In Design For Greater Efficiencies

AN INNOVATION OF IFC International Finance Corporation WORLD BANK GROUP

Homes | Hotels | Retail | Offices | Hospitals

RESULTS

Final Energy Use	250.2 kWh/Month/Unit	Operational CO_2 Savings	0.2 tCO_2/Year	Base Case Utility Costs	136 $/Month/Unit
Final Water Use	7 kL/Month/Unit	Embodied Energy Savings	-7.7 MJ	Utility Costs Reduction	27 $/Month/Unit

Version 2.0.0

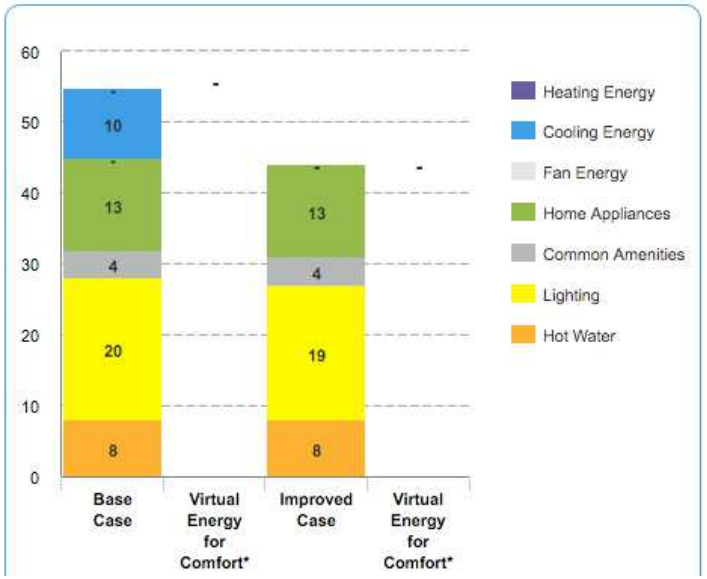
Design | Energy: 21.46% | Water : 0.0% | Materials: 2.3% | Preliminary | File

Energy Efficiency Measures

Select options from the list below — *Edit default values, if required*

HME01	☑	Reduced Window to Wall Ratio - WWR of 20%	WWR	
			WFR	12%
HME02	☑	Reflective Paint/Tiles for Roof - Solar Reflectivity (SR) of 70%	SR	
HME03	☑	Reflective Paint for External Walls - Solar Reflectivity (SR) of 70%	SR	
HME04	☑	External Shading Devices - Annual Average Shading Factor (AASF) of 0.53	AASF	
HME05	☑	Insulation of Roof - U Value of 0.46	[W/m².k]	
HME06	☐	Insulation of External Walls - U Value of 0.44	[W/m².k]	
HME07	☑	Low-E Coated Glass - U Value of 3 W/m² K and SHGC of 0.45	[W/m².k]	
			SHGC	
HME08	☑	Higher Performance Glass - U Value of 2 W/m² K and SHGC of 0.28	[W/m².k]	
			SHGC	
HME09	☑	Natural Ventilation		
HME10	☐	Ceiling Fans in all Habitable Rooms		
HME11	☐	Air Conditioning System - COP of 3.5	COP	
HME12	☐	High Efficiency Boiler for Space Heating - Efficiency of 0.9	% Eff.	
HME13	☐	High Efficiency Boiler for Hot Water - Efficiency of 0.9	% Eff.	

21.46% **Meets EDGE Energy Standard**



Excellence In Design For Greater Efficiencies

AN INNOVATION OF IFC International Finance Corporation WORLD BANK GROUP

Homes | Hotels | Retail | Offices | Hospitals

RESULTS

Final Energy Use	240.7 kWh/Month/Unit	Operational CO_2 Savings	0.2 tCO_2/Year	Base Case Utility Costs	136 $/Month/Unit
Final Water Use	5 kL/Month/Unit	Embodied Energy Savings	-7.7 MJ	Utility Costs Reduction	33 $/Month/Unit

Version 2.0.0

Design | Energy: 24.46% | Water : 20.8% | Materials: 28.5%

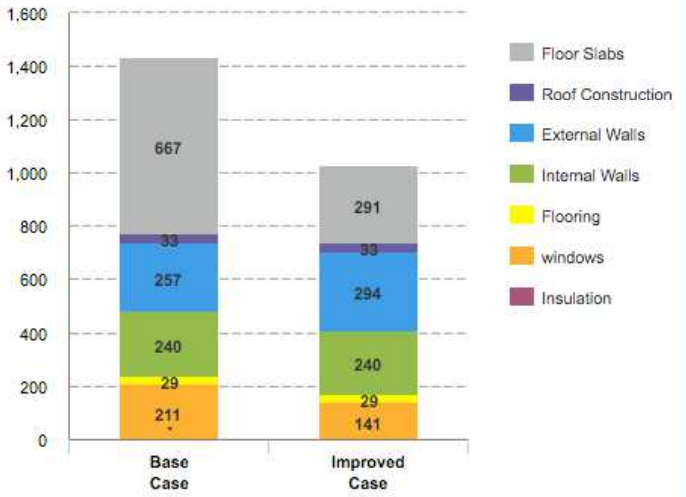
Preliminary | File

Materials Efficiency Measures

Select building material options from the dropdown menus and indicate required thickness

Ref	Building material		Improved Case selection	Proportion %		*Optional user input*
HMM01	Floor Slabs		Timber Floor Construction			mm
HMM02	Roof Construction		In-Situ Reinforced Concrete Slab			mm steel rebar [kg/m²]
HMM03	External Walls	Type 1	Common Brick Wall with Internal i	100	%	mm
HMM04	Internal Walls	Type 1	Common Brick Wall with Plaster E	100	%	mm
HMM05	Flooring	Type 1	Ceramic Tile	100	%	
HMM06	Window Frames	Type 1	Aluminium	100	%	Single Glazing

28.5% **Meets EDGE Materials Standard**



INTECO

Colegio de Arquitectos de Costa Rica

INSTITUTO DE ARQUITECTURA TROPICAL COSTA RICA

®

REQUISITOS PARA EDIFICIOS SOSTENIBLES EN EL TROPICO

COSTA RICA

WWW.ARQUITECTURATROPICAL.ORG

RE SET ®
REQUISITOS PARA EDIFICIOS SOSTENIBLES EN EL TROPICO

Hoja de contexto

			Criterios	Parámetros	Puntos	Calificación
CATEGORIA DE IMPACTO [1]	Según su tamaño envergadura, impacto y radio de influencia social, económico y ambiental.	1	Nivel de desarrollo económico del entorno (Conforme al Índice de Desarrollo Humano PNUD)	< 0,500	1	
				0,500 a <0,625	2	
				0,625 a <0,750	3	
				0,750 a 0,875	4	
				Más de 0,875	5	
		2	Tipo de área urbana	Rural	1	
				Comunidad 1 000 a >10 000 personas	2	
				Pueblo 10.000 a >50.000 personas	3	
				Ciudad 50.000 a >250.000 personas	4	
				Ciudad 250.000 o más personas	5	
		3	Relación del terreno con recursos de interés natural: bosques, cuerpos de agua, elementos especiales del paisaje	Presenta un 100% de cobertura con áreas de interés natural	1	
				Presenta un 75% de cobertura con áreas de interés natural	2	
				Presenta un 50% de cobertura con áreas de interés natural	3	
				Presenta un 25% de cobertura con áreas de interés natural	4	
				No afecta recursos de interés natural	5	
		4	Densidad de habitantes en la zona	0 a <50 hab/ha	1	
				50 a <100 hab/ha	2	
				100 a <150 hab/ha	3	
				150 a <250 hab/ha	4	
				250 o más hab/ha	5	

RE SET ®
REQUISITOS PARA EDIFICIOS SOSTENIBLES EN EL TROPICO

Calidad y Bienestar espacial		Requisitos		Ponderación			Observaciones del evaluador	Evidencia aportada y razones porque NO APLICA
Objetivo	Concepto	Criterios	Valor de referencia a cumplir	Clasificación del criterio	Resultado	Puntos plus		
		10. Se utiliza vegetación para mitigar los efectos de temperatura, humedad y contaminación.	Se incorporan patios, jardines, techos y paredes vivas o cualquier otro elemento vegetal con características tales como capacidad de remover vapores químicos, facilidad de crecimiento, bajo mantenimiento, resistencia a pestes y transpiración					
		11. Se determina la zona de confort según la actividad y vestimenta de los usuarios	Se aplica el límite de tolerancia a la temperatura y humedad relativa de las personas en el trópico (28°C y 80%HR)					
		12. Se reduce el efecto isla de calor	Se utilizan techos y pavimentos de baja absorción térmica					
		13. Se aísla el piso del suelo para el control de humedad, la transferencia de calor y la no alteración del paso libre de escorrentía y de la biodiversidad	Se eleva la edificación con un dimensionamiento acorde con el entorno					
		14. Se utiliza el agua como elemento regulador de temperatura y confort, evitando la generación de humedad para climas altamente húmedos	Se incorpora el agua como acondicionador de temperatura					
		15. En el diseño se utiliza el concepto de masa térmica para casos en que el diferencial diario de temperatura lo favorezca.	Se utilizan muros y volúmenes para enfriar y/o calentar el edificio por absorción y liberación de calor, utilizando el sol y fuentes climáticas para					


IKEA

SANTO DOMINGO,

AGORA MALL

LEED for Core & Shell Development (v2009)

Attempted: 52, Denied: 0, Pending: 0, Awarded: 52 of 110 points

Project ID: 1000000216
Status: Certified
Certification level: Silver
Certification date:
12/11/2014

SUSTAINABLE SITES — 22 OF 28

SSp1	Construction Activity Pollution Prevention	Y
SSc1	Site Selection	1 / 1
SSc2	Development Density and Community Connectivity	5 / 5
SSc3	Brownfield Redevelopment	0 / 1
SSc4.1	Alternative Transportation-Public Transportation Access	6 / 6
SSc4.2	Alternative Transportation-Bicycle Storage and Changing Rooms	2 / 2
SSc4.3	Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	3 / 3
SSc4.4	Alternative Transportation-Parking Capacity	2 / 2
SSc5.1	Site Development-Protect or Restore Habitat	0 / 1
SSc5.2	Site Development-Maximize Open Space	0 / 1
SSc6.1	Stormwater Design-Quantity Control	0 / 1
SSc6.2	Stormwater Design-Quality Control	0 / 1
SSc7.1	Heat Island Effect, Non-Roof	1 / 1
SSc7.2	Heat Island Effect-Roof	1 / 1
SSc8	Light Pollution Reduction	0 / 1
SSc9	Tenant Design and Construction Guidelines	1 / 1

WATER EFFICIENCY — 9 OF 10

WEp1	Water Use Reduction-20% Reduction	Y
WEc1	Water Efficient Landscaping	4 / 4
WEc2	Innovative Wastewater Technologies	2 / 2
WEc3	Water Use Reduction	3 / 4

ENERGY AND ATMOSPHERE — 6 OF 37

EAp1	Fundamental Commissioning of the Building Energy Systems	Y
EAp2	Minimum Energy Performance	Y
EAp3	Fundamental Refrigerant Mgmt	Y
EAc1	Optimize Energy Performance	0 / 21
EAc2	On-Site Renewable Energy	0 / 4
EAc3	Enhanced Commissioning	0 / 2
EAc4	Enhanced Refrigerant Mgmt	0 / 2
EAc5.1	Measurement and Verification-Base Building	3 / 3
EAc5.2	Measurement and Verification-Tenant Submetering	3 / 3
EAc6	Green Power	0 / 2

MATERIALS AND RESOURCES — 2 OF 13

MRp1	Storage and Collection of Recyclables	Y
MRc1	Building Reuse-Maintain Existing Walls, Floors and Roof	0 / 5
MRc2	Construction Waste Mgmt	0 / 2

MATERIALS AND RESOURCES — CONTINUED

MRc3	Materials Reuse, 5%	0 / 1
MRc4	Recycled Content	0 / 2
MRc5	Regional Materials	2 / 2
MRc6	Certified Wood	0 / 1

INDOOR ENVIRONMENTAL QUALITY — 3 OF 12

IEQp1	Minimum IAQ Performance	Y
IEQp2	Environmental Tobacco Smoke (ETS) Control	Y
IEQc1	Outdoor Air Delivery Monitoring	0 / 1
IEQc2	Increased Ventilation	0 / 1
IEQc3	Construction IAQ Mgmt Plan-During Construction	0 / 1
IEQc4.1	Low-Emitting Materials-Adhesives and Sealants	1 / 1
IEQc4.2	Low-Emitting Materials-Paints and Coatings	1 / 1
IEQc4.3	Low-Emitting Materials-Flooring Systems	1 / 1
IEQc4.4	Low-Emitting Materials-Composite Wood and Agrifiber Products	0 / 1
IEQc5	Indoor Chemical and Pollutant Source Control	0 / 1
IEQc6	Controllability of Systems-Thermal Comfort	0 / 1
IEQc7	Thermal Comfort-Design	0 / 1
IEQc8.1	Daylight and Views-Daylight	0 / 1
IEQc8.2	Daylight and Views-Views	0 / 1

INNOVATION IN DESIGN — 6 OF 6

IDc1.1	Innovation in Design	1 / 1
IDc1.1	Innovation in Design	0 / 1
IDc1.2	Innovation in Design	1 / 1
IDc1.2	Innovation in Design	0 / 1
IDc1.3	Innovation in Design	0 / 1
IDc1.3	Innovation in Design	1 / 1
IDc1.4	Innovation in Design	0 / 1
IDc1.4	Innovation in Design	1 / 1
IDc1.5	Innovation in Design	1 / 1
IDc1.5	Innovation in Design	0 / 1
IDc2	LEEDÂ® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS — 4 OF 4

WEc1	Water Efficient Landscaping	1 / 1
WEc2	Innovative Wastewater Technologies	1 / 1
WEc3	Water Use Reduction	1 / 1
EAc1	Optimize Energy Performance	0 / 1
EAc3	Enhanced Commissioning	0 / 1
EAc5.2	Measurement and Verification-Tenant Submetering	1 / 1

TOTAL — **52 OF 110**

40-49 Points	50-59 Points	60-79 Points	80+ Points
CERTIFIED	SILVER	GOLD	PLATINUM

SUSTAINABLE SITES — 22 OF 28

SSp1	Construction Activity Pollution Prevention	Y
SSc1	Site Selection	1 / 1
SSc2	Development Density and Community Connectivity	5 / 5
SSc3	Brownfield Redevelopment	0 / 1
SSc4.1	Alternative Transportation-Public Transportation Access	6 / 6
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SSc4.4	Alternative Transportation-Parking Capacity	2 / 2
SSc5.1	Site Development-Protect or Restore Habitat	0 / 1
SSc5.2	Site Development-Maximize Open Space	0 / 1
SSc6.1	Stormwater Design-Quantity Control	0 / 1
SSc6.2	Stormwater Design-Quality Control	0 / 1
SSc7.1	Heat Island Effect, Non-Roof	1 / 1
SSc7.2	Heat Island Effect-Roof	1 / 1
SSc8	Light Pollution Reduction	0 / 1
SSc9	Tenant Design and Construction Guidelines	1 / 1

WATER EFFICIENCY — 9 OF 10

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WEc1 Water Efficient Landscaping	4 / 4
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ENERGY AND ATMOSPHERE — 6 OF 37

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EAc3	Enhanced Commissioning	0 / 2
EAc4	Enhanced Refrigerant Mgmt	0 / 2
EAc5.1	Measurement and Verification-Base Building	3 / 3
EAc5.2	Measurement and Verification-Tenant Submetering	3 / 3
EAc6	Green Power	0 / 2

MATERIALS AND RESOURCES — CONTINUED

MRc3 Materials Reuse, 5%	0 / 1
MRc4 Recycled Content	0 / 2
MRc5 Regional Materials	2 / 2
MRc6 Certified Wood	0 / 1

INDOOR ENVIRONMENTAL QUALITY

3 OF 12

IEQp1	Minimum IAQ Performance	Y
IEQp2	Environmental Tobacco Smoke (ETS) Control	Y
IEQc1	Outdoor Air Delivery Monitoring	0 / 1
IEQc2	Increased Ventilation	0 / 1
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IEQc4.4	Low-Emitting Materials-Composite Wood and Agrifiber Products	0 / 1
IEQc5	Indoor Chemical and Pollutant Source Control	0 / 1
IEQc6	Controllability of Systems-Thermal Comfort	0 / 1
IEQc7	Thermal Comfort-Design	0 / 1
IEQc8.1	Daylight and Views-Daylight	0 / 1
IEQc8.2	Daylight and Views-Views	0 / 1

INNOVATION IN DESIGN

6 OF 6

IDc1.1 Innovation in Design	1 / 1
IDc1.1 Innovation in Design	0 / 1
IDc1.2 Innovation in Design	1 / 1
IDc1.2 Innovation in Design	0 / 1
IDc1.3 Innovation in Design	0 / 1
IDc1.3 Innovation in Design	1 / 1
IDc1.4 Innovation in Design	0 / 1
IDc1.4 Innovation in Design	1 / 1
IDc1.5 Innovation in Design	1 / 1
IDc1.5 Innovation in Design	0 / 1
IDc2 LEEDÂ® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS — 4 OF 4

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