

COMMUNITY MEETING - June 27, 2018

# Design for Learning

PGCPS International High School

listen.DESIGN.deliver

The image features a solid red background with a subtle, wavy pattern of lighter red tones. The text is centered and reads: 

**Elevate the Human  
Experience through  
Design**



# 1 WELCOME & INTROS

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# 2 PGCPS PROJECT UPDATE

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# 3 PROJECT DEVELOPMENT

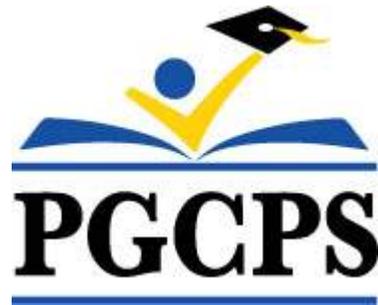
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# 4 CONCEPT PROPOSALS

# International High School

Welcome!

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IHS PLANNING  
COMMITTEE



# International High School

## Project Update

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December 2016 –

- Community Info Session
- Site Feasibility Study

2017-

- A/E Solicitation
- A/E Award

2018-

- Project Design Start
- Planning Committee Workshops
- Permitting/ Reg Approvals

2019 - 2021

- Construction Phase

# International School



# International High School

## Mission

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### Mission

The International High School at Langley Park (IHSLP) is a community school that serves English Language Learners through a competencies-based approach. Our mission is to academically and emotionally prepare a learning community that is able to undertake the daily challenges common to the human experience through collaboration, critical thinking, and experiential learning opportunities. Our scholars acquire language proficiency and integrate technology in order to attain the skills necessary to succeed in high school, college, and in careers of their choice.

### Misión:

International High School at Langley Park (IHSLP) es una escuela comunitaria que sirve a los estudiantes que están aprendiendo inglés a través de un enfoque basado en desarrollando las habilidades escolares. Nuestra misión es preparar académicamente y emocionalmente una comunidad que pueda asumir los desafíos diarios comunes y la experiencia humana a través de la colaboración, el pensamiento crítico y las oportunidades de aprendizaje experimental. Nuestros alumnos adquieren dominio del idioma e integran tecnología para alcanzar las habilidades necesarias para tener éxito en la escuela secundaria, la universidad y en las carreras de su elección.

# International High School

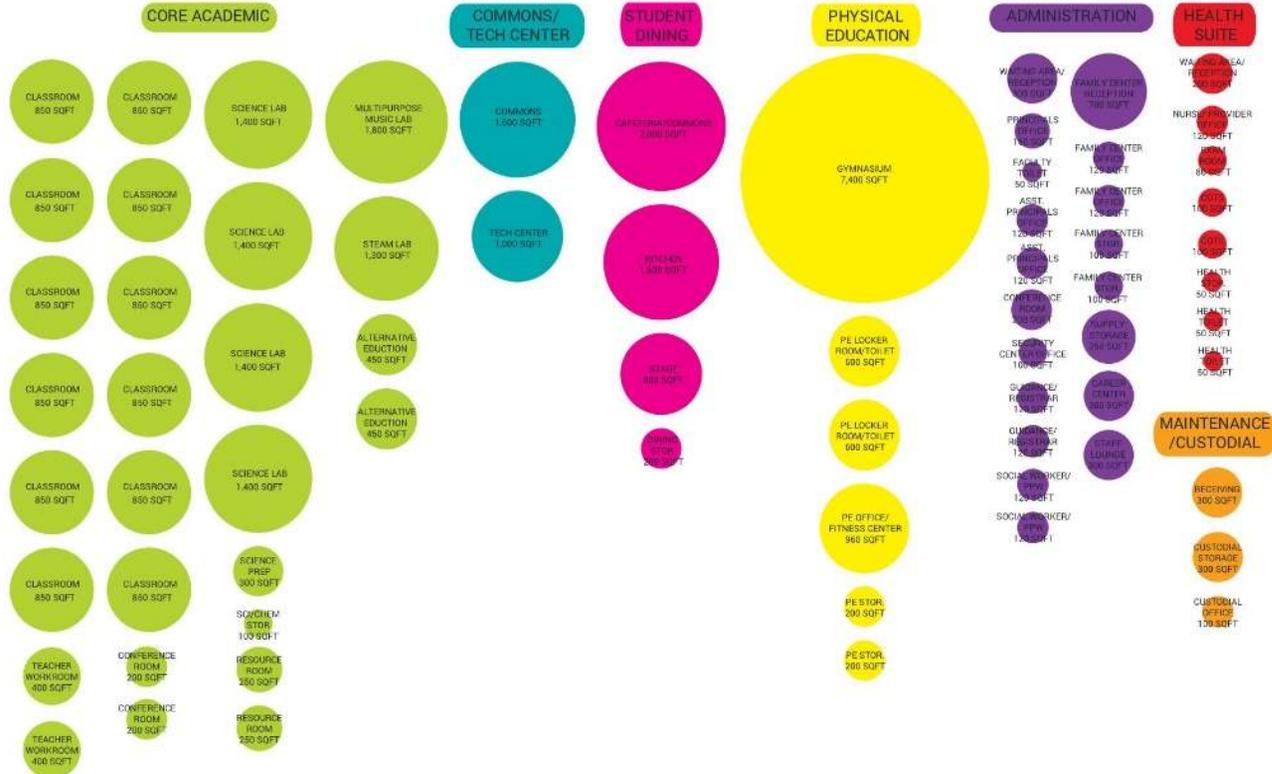
## Core Values

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- Empowerment
- Collaboration
- Critical Thinking

# International High School – Ed Spec and Program Distribution

LANGLEY PARK INTERNATIONAL HIGH SCHOOL PROGRAM (58,372 SQFT)

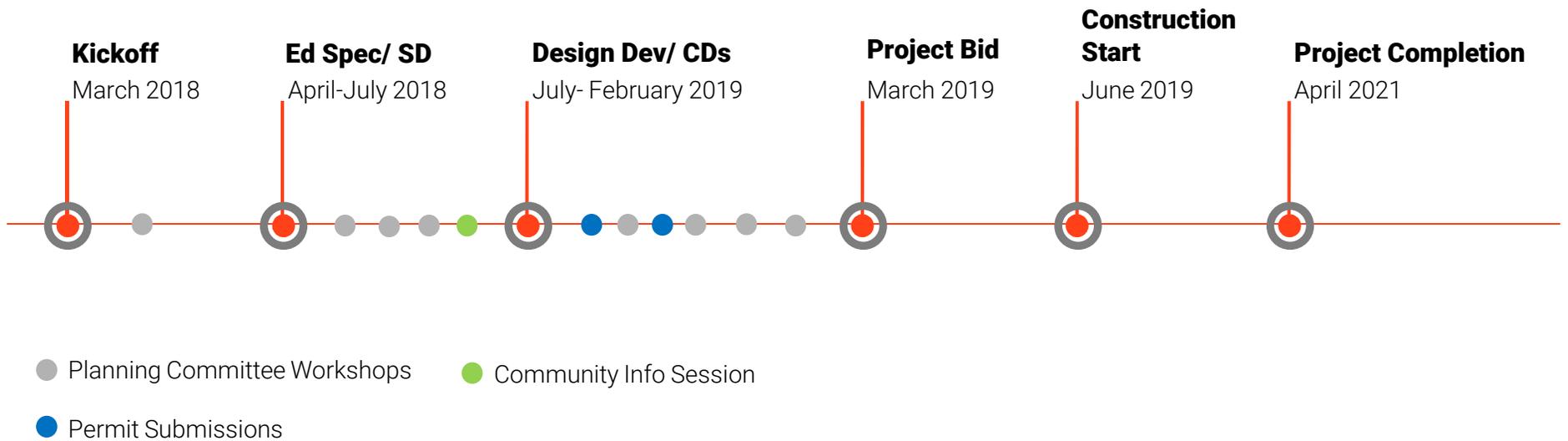


# Project Development



# International High School

## Overall Project Timeline



# International High School

## What We Know

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21<sup>st</sup> C.  
Campus



Site  
Amenities



400+/-  
Students/  
55,000 SF



Partnerships  
& Community



Optimize &  
Streamline



Budget &  
Schedule

## International High School – Existing Conditions



International High School Site

**Topography**

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**Site Access**

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**Co-Location**

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**Security**

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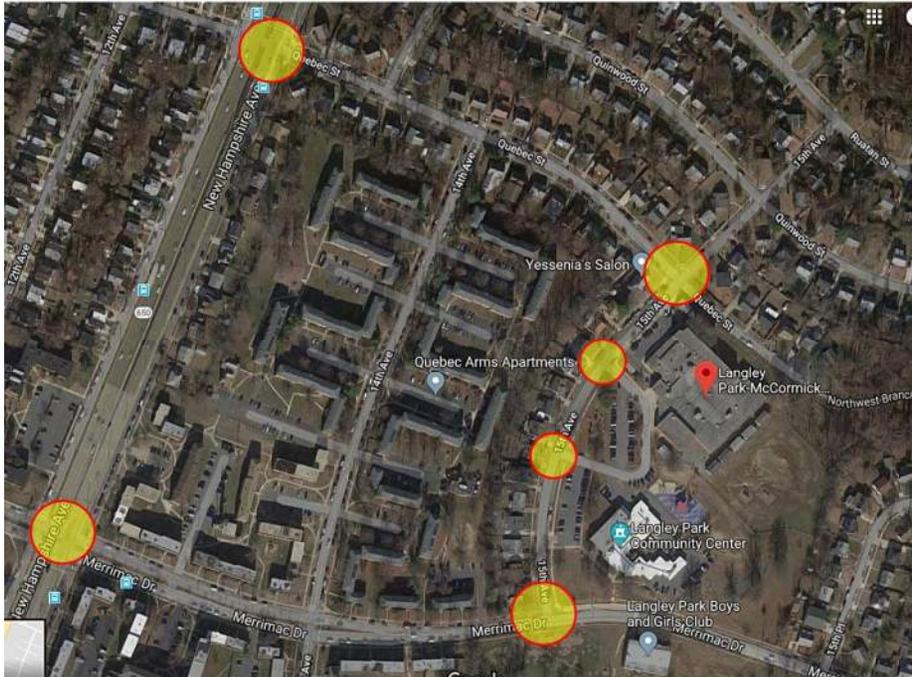
**Site Amenities**

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**Parking**

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## International High School – Traffic Study



- New Hampshire Avenue/Quebec Street
- New Hampshire Avenue/Merrimac
- Merrimac Drive/15th Avenue
- Quebec Street/15th Avenue
- 15th Avenue/All Site Access Points
- Preliminary Findings-  
Intersections are expected to remain within capacity. **New signalization is not anticipated to support IHSLP.**
- In Progress-  
Inventory of on/ off site pedestrian, bicycle, and transit facilities. Research future improvements and transportation.

## International High School - Zoning



- Zone – R-55
- Front Setbacks – 25'  
Side Setbacks – 8'
- Building Height-  
120 ft. (Public Bldgs)
- Lot Coverage  
(60% Max)

## International High School – Parking



### 'Existing'

- Approx. 53 Stalls (LMC-ES)
- Approx. 42 Public Stalls (Comm. Center)
- Approx. 21 Staff Stalls

### Required New

- Provide 40 Additional Stalls

## International High School – Open Space/ Soccer



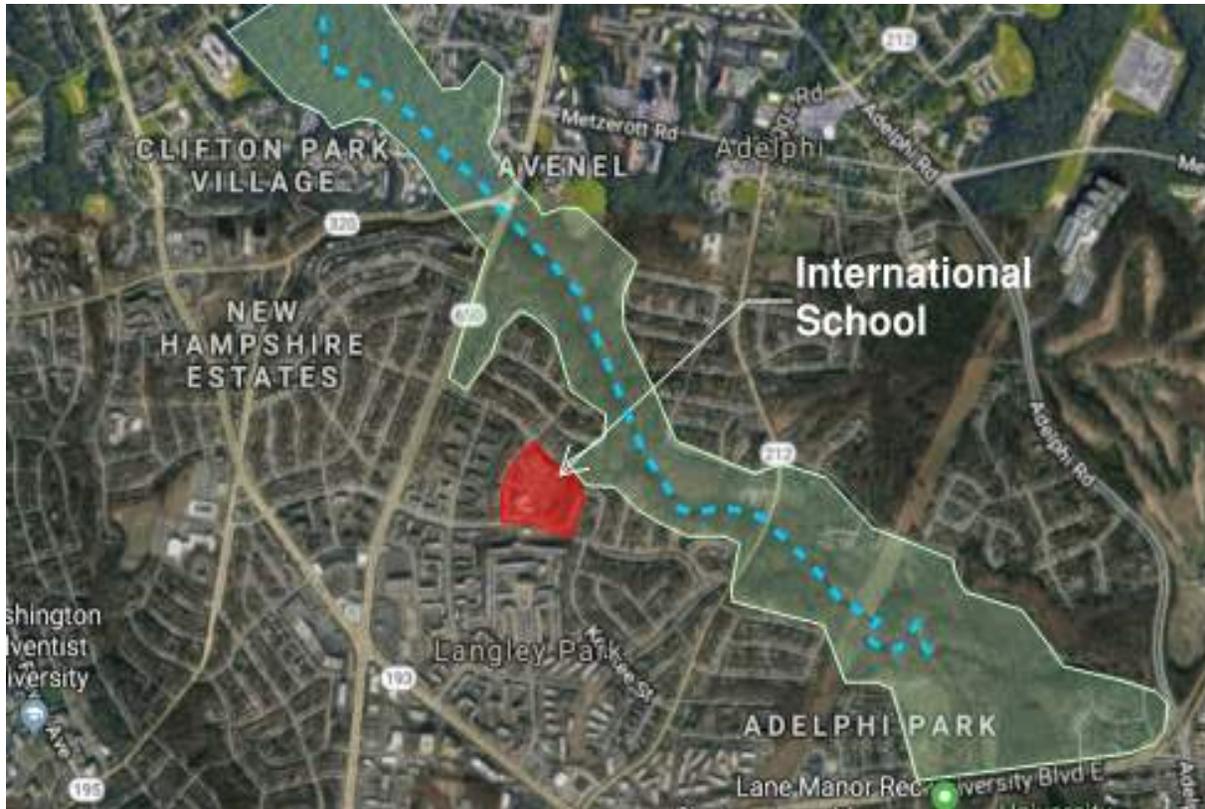
### Soccer Field

- Regulation Size (NFHS)-  
55 yd x 100 yd (Min.)  
80 yd x 120 yd (Max.)
- Natural vs Synthetic
- SWM

### Open Space

- Existing Playgrounds
- LPMC-ES Open Space

## International High School – Natural Resources



### Forest Ecology

- Woodland Area
- Walking Trails
- Nature Connectivity

### Watershed

- Anacostia River NW Branch

## International High School – Natural Resources



# WORKSHOPS



# International High School

## Workshops

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- PGCPS Staff
- IHS Planning Committee
  - Langley Park-McCormick ES
  - M-NCPPC Parks and Rec
  - Intl HS Principal and Staff
  - MSDE
  - Local Govt Rep.
  - PG Health Dept.
- IHS Students



# International High School

## Review & Results

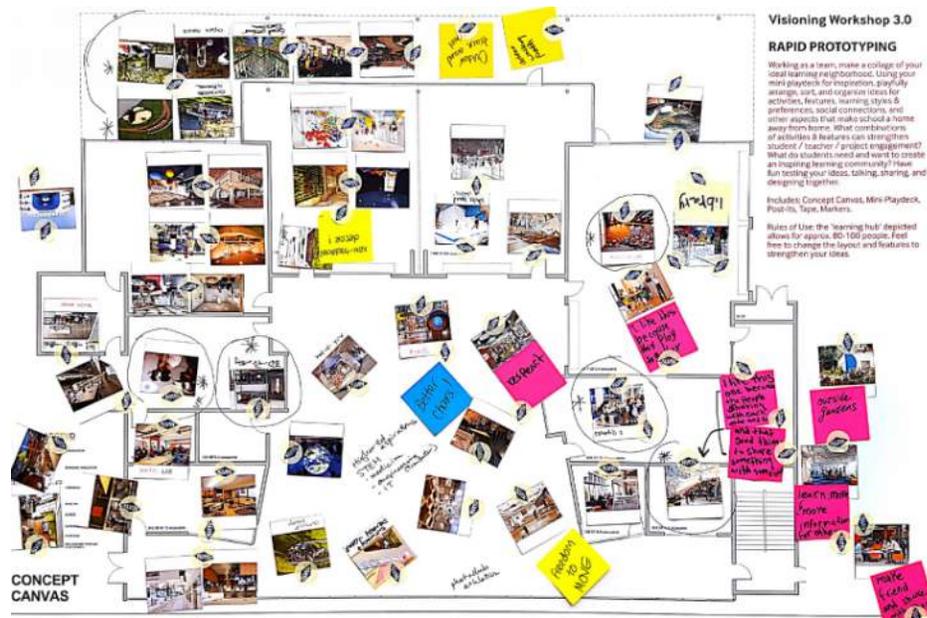
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- Build for Change
- Bring Outside In
- Let Students Lead
- Design with Words
- Do Your Homework

# International High School

## Review & Results



DLR Group INTERNATIONAL HIGH SCHOOL – COMMUNITY MEETING – 27. JUNE. 2018

### 'Rapid Prototyping'

- Outdoor Learning
- Learner Centered - Fluid
- Technology - Arts Infused
- Diversity (space/activities)
- Sensory - Inspirational
- Expertise - Mastery

# CONCEPTS



# International High School

## Project Parameters

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1. Create a sustainable, collaborative learning environment.
2. Support PGCPs Strategic Plan Goals esp. Int'l School Network model.
3. Design an inviting and de-institutionalized environment, while simultaneously providing a safe and secure experience, based on passive & applied active concepts.
4. Achieve LEED Gold for High Performance Schools.
5. Utilize evidence-based design strategies for better health and learning outcomes.

# International High School

## Project Parameters

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6. Create an integrated neighborhood campus with shared potential.
7. Address a capacity for 400 students and 34 faculty/staff.
8. Open in Fall 2021 within budget of \$23M.
9. Pursue sustainable means, methods of construction [modular].
10. Explore parking options to accommodate 40 spaces.



**Hilltown**



**Terraforma**



**Forest**



**Village**

# HILLTOWN

# HILLTOWN



# Hilltown

## Quantitative & Qualitative Analysis

### ENERGY PROGRESS REPORT: HILLTOWN

### Nutrition Facts

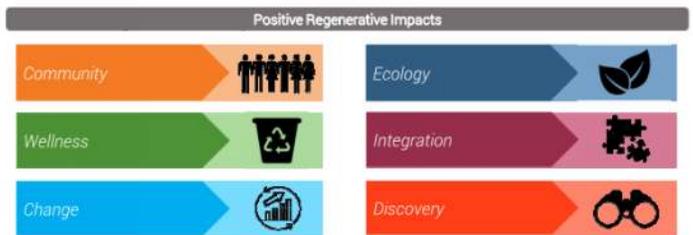
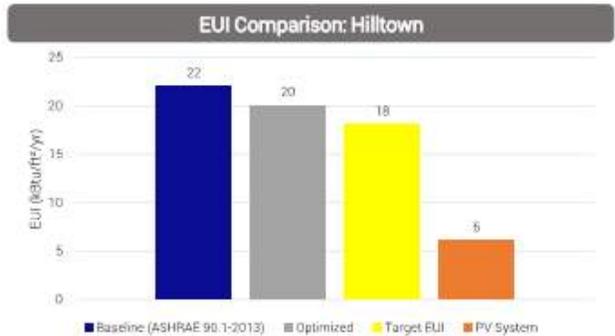
New International High School  
Hilltown Scheme



Based on Advanced Energy Design Guide Recommendation

<b>Target EUI</b>	18 kBtu/ft <sup>2</sup> /yr
<small>Units</small>	
<b>Energy Usage Intensity</b>	<b>10%</b>
Baseline EUI	22 kBtu/ft <sup>2</sup> /yr
*Optimized EUI	20 kBtu/ft <sup>2</sup> /yr
<b>Embodied Carbon Footprint</b>	<b>22%</b>
Baseline GHG Emissions	79,382 lbCO <sub>2</sub> /yr
*Optimized GHG Emissions	61,955 lbCO <sub>2</sub> /yr
<b>*Annual Energy Cost</b>	<b>6.4%</b>
Baseline Cost	\$0.63/ft <sup>2</sup>
*Optimized Cost	\$0.59/ft <sup>2</sup>
<b>Resources &amp; Materials</b>	
Red List	*
Healthy Interior Environment	*
Living Economy Sourcing	*
Net Positive Waste	*
Responsible Industry	*
<b>Projected Energy Star Score</b>	<b>97</b>
Approx. Square Footage	50,247 ft <sup>2</sup>

1. EUI does not take into account internal loads produced by food service/equipment  
2. Optimized case assumes 20% WWR  
3. Annual Energy Cost is weighted for Area  
\* Will examine moving forward



# FOREST



# Forest

## Quantitative & Qualitative Analysis

### ENERGY PROGRESS REPORT: FOREST

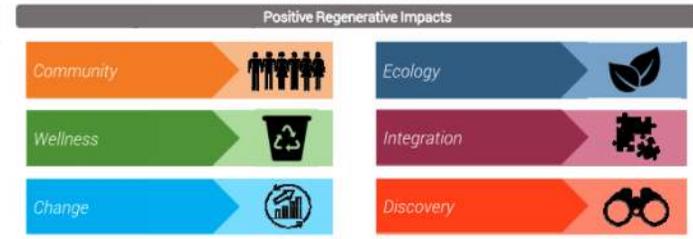
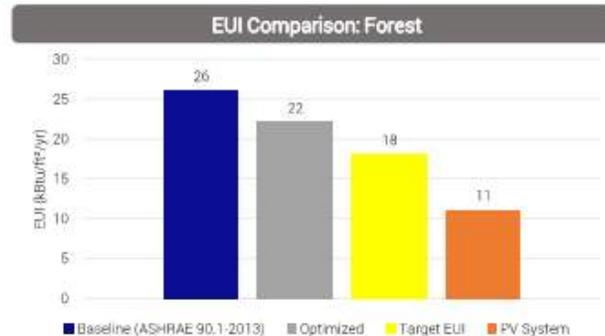
#### Nutrition Facts

New International High School  
Forest Scheme

Based on Advanced Energy Design Guide Recommendation

<b>Target EUI</b>	18 kBtu/ft <sup>2</sup> /yr
Units	
<b>Energy Usage Intensity</b>	<b>12%</b>
Baseline EUI	26 kBtu/ft <sup>2</sup> /yr
Optimized EUI	22 kBtu/ft <sup>2</sup> /yr
<b>Embodied Carbon Footprint</b>	<b>31%</b>
Baseline GHG Emissions	129,549 lbCO <sub>2</sub> /yr
Optimized GHG Emissions	89,676 lbCO <sub>2</sub> /yr
<b>*Annual Energy Cost</b>	<b>5.8%</b>
Baseline Cost	\$0.69/ft <sup>2</sup>
Optimized Cost	\$0.65/ft <sup>2</sup>
<b>Resources &amp; Materials</b>	
Red List	*
Healthy Interior Environment	*
Living Economy Sourcing	*
Net Positive Waste	*
Responsible Industry	*
<b>Projected Energy Star Score</b>	<b>96</b>
Approx. Square Footage	59,980 ft <sup>2</sup>

1. EUI does not take into account internal loads produced by food service/equipment  
2. Optimized case assumes 20% WWR  
3. Annual Energy Cost is weighted for Area  
\* Will examine moving forward



# International High School

## Project Contacts and Updates

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PGCPS Contact –

Rhianna McCarter

[rhianna.mccarter@pgcps.org](mailto:rhianna.mccarter@pgcps.org)

Int. HS Project Updates (Online)–

<http://www.pgcps.org/cip/>

*(Upcoming Major Projects)*

# DISCUSSION





NEXT STEPS

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