LB-Co Lab Community Issue and Technology Project Brief

Neighborhood: Houghton Park

April 2024

TECHNOLOGY & INNOVATION LONGBEACH

What is LB Co-Lab?

The LB Co-Lab is a new model for community-driven smart cities that ensures we invest in context-appropriate tech enhancements based on community-identified needs, while also teaching community members how to navigate the tech world.

Houghton Park's community technology project has a budget of $35,000.

The Hamilton community working group identified the following list of key neighborhood issues:

- Lack of access to reliable, sustainable, and efficient street lights in areas of the neighborhood that aren't adequately lit
- Traffic congestion
- Car accidents
- Not enough handicap spaces
- Lack of protected bike lanes
- Lack of crosswalks and sidewalks for individuals with physical disabilities and youth
- Lack of water submetering
- Lack of neighborhood connection
- Lack of public restrooms and menstrual products
- Lack of public wifi

The top goals selected by Hamilton residents were:

Promote Pedestrian Safety

Enhance Visibility at Parks

Encourage Positive Neighborhood Experiences

What technology solution did Hamilton residents select to meet these goals?

Challenge Statement: Hamilton residents are seeking a technology-based street improvement solution to promote pedestrian safety, enhance visibility, and encourage positive neighborhood experiences for community stakeholders such as residents, businesses, and students.

Selected Solution: Comfort & Hays / D2 Smart Lighting

Pilot duration: 12 months

Proposed Solution Details

3 **Omniflow Smart Lights at Houghton Park on the pathway between the parking lot and exercise station**

Software: people-counting and air quality analytics features.

Omniflow 07 Head Unit View

These smart lights are powered by wind and solar and equipped with ultra-efficient LED lighting for 360-degree coverage, and high-capacity battery systems

To learn more about LB Co-Lab and Smart City Initiative

- Visit: https://longbeach.gov/smartcity/
- Email: smartcity@longbeach.gov

How was the solution implemented?

Start Date

August 1, 2024

Duration

12 months

Key Stakeholders

- Houghton Park Staff
- Office of Climate Action and Sustainability

Kickoff meeting → **Smart lighting units installed** → **Data collection and review period** → **Pilot solution evaluation**

Impact

Double the lighting output and visibility compared to other lights

Increased playground activity at later hours of the day

2,363 kWh in energy savings

Lessons learned

- The playground area has been brighter in the evening. Many of the parents/guardians of our program participants are very pleased.
- Lights are useful and provide community members with more ease when visiting the area in the evenings.

Decision

Sustain

The solution continued its operations after the initial 12-month pilot period.

Rationale:

- Performance: Solution addressed the initial challenge statement and users were satisfied.

What's next?

- Houghton Park staff recommends that the City consider installing smart lights at in other locations as budget and time permits.
- Develop a plan for City staff to better leverage the air quality and people-counting data to improve operations and sustainability practices.