

# Asia Pacific Clean Energy Summit “HART PROJECT UPDATE” September 9, 2013



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**HART**

HONOLULU AUTHORITY — RAPID TRANSPORTATION

# O`ahu's 2030 Future

- **Population:**  
Nearly 70 percent of the island's population will be located in the area along the rail route.
- **Jobs:**  
83 percent of O`ahu's jobs are projected to be located in the route area.
- Increased traffic **congestion**





# 20 Miles with 21 Stations

Park and Ride lots located at:  
East Kapolei, UH West O`ahu, Pearl Highlands, Aloha Stadium

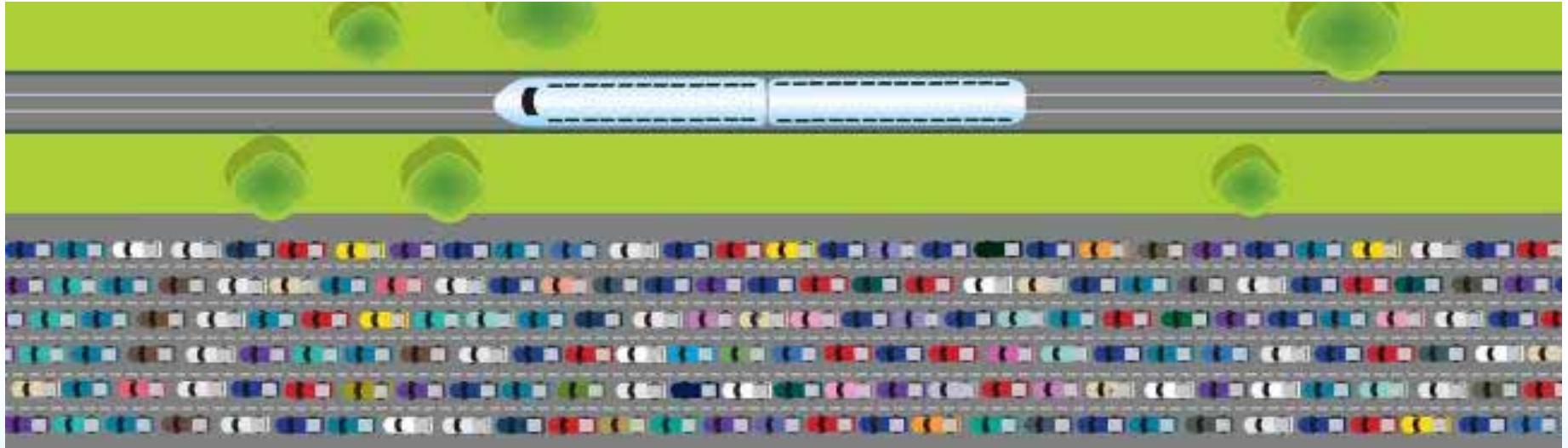


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# Transportation Benefits



- 116,000 average weekday ridership
- One two-car train holds more passengers than 5 city buses
- 40,000 fewer vehicles on the road each weekday
- Zero congestion for rail riders

# Environmental Benefits

- Rail will eliminate tens of thousands of car trips daily
- Fosters transit-oriented development
- Reduces pollution and our dependence on imported fossil fuel
- An electrically powered system can make the most of renewable energy sources, helping the state achieve its goal of 70% clean energy by 2030
- Maintenance and storage facility on schedule to achieve LEED silver certification
- Photovoltaic panels are being considered for use on project facilities



# Environmental Benefits

## Rail transit reduces transportation energy

Annual energy savings equivalent to:



**6,500**  
homes use of electricity  
for one year



**120,000**  
barrels of  
oil consumed



**2.2 million**  
propane cylinders used  
for home barbecues



**5.9 million**  
gallons of  
gasoline consumed

FEIS 4-125

\*Energy savings = 52,700 metric tons of carbon dioxide per year

# Economic Benefits

- Approximately 10,000 jobs each year will be attributed to rail construction
- Rail will infuse our economy with billions of dollars over the next decade
- Rail will be Hawaii's single-largest job creator
- Motorists can save more than \$11,000 annually by using public transit
- **Creates transit-oriented development opportunities around stations**



# Operating Details

## When will trains run?

- 4 a.m. to midnight
- Every 3 minutes during morning and afternoon rush hour
- Every 6 minutes during mid-day hours
- Every 10 minutes during evening hours



## How fast will trains travel?

- 55 mph top speed & 30 mph average including station stops





# Operating Details

- Single systemwide fare for rail and TheBus
- Four park-and-ride lots including designated parking for electric vehicles
- ADA compliant
- Bicycles, surfboards, wheelchairs, strollers, luggage allowed
- Multi-modal transportation
- Free Wi-Fi



# Construction Schedule



- Construction in West O`ahu expected to resume in September of 2013
- Interim opening of the first 10 miles estimated in summer of 2017
- Full system operational in March of 2019



# Stay Connected



**24-Hour Project Hotline: (808) 566-2299**

**Project Website: [www.HonoluluTransit.org](http://www.HonoluluTransit.org)**

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