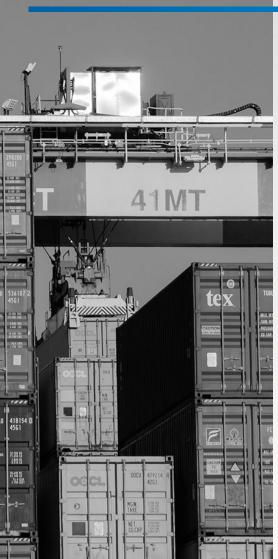
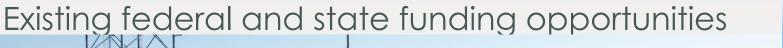




# Why Change



- \* Alleviate chronic congestion, transfer truck traffic to rail
- Meet trucking industry's need for faster gate/yard processes
- Larger ships need system to better manage the peaks
- Environmental Stewardship: demonstrate commitment





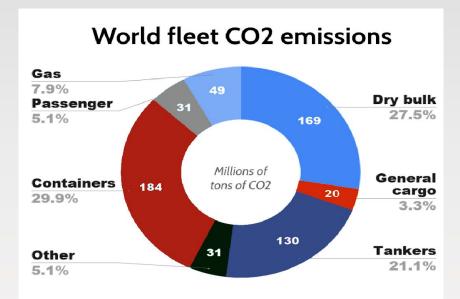




# Why Change Now

- \*Climate change is here NOW
- \*Movement of goods represents 20% (GHG)s globally and recent diversions from West Coast to East Coast significantly increased Vessel GHGs by 18%
- Ports are located in severe air quality non-attainment and economically disadvantaged areas with public health impacts

Stakeholders are more engaged and active than ever before







# Being a Partner of Choice on our Profitable Pathways to Net



### Readiness

Eliminate GHG & Criteria Pollutants\* from LBCT's operations

#### Resilience

Help reduce/offset emissions from the electricity grid (SCE\*)

### Regeneration

Help reduce/eliminate systemwide supply chain emissions

\* Conducted detailed GHG & AQ Analyses dating back to 2015 **GHG:** Mobile sources of pollution or Greenhouse Gases **Criteria Pollutants:** Stationary sources of pollution: nitrous oxide, sulfur oxide, and particulate matter 2.5/10

\* SCE: Southern California Edison



# retzero Enreginess: Ocean



- \*\*High berth productivity
- \*100% shore power
- \*\*No LBCT-bound vessels anchored during 2021/2022 pandemic
- \*Took on additional 37 ships
- Green Corridor & GreenMethanol 20 ships by 2030

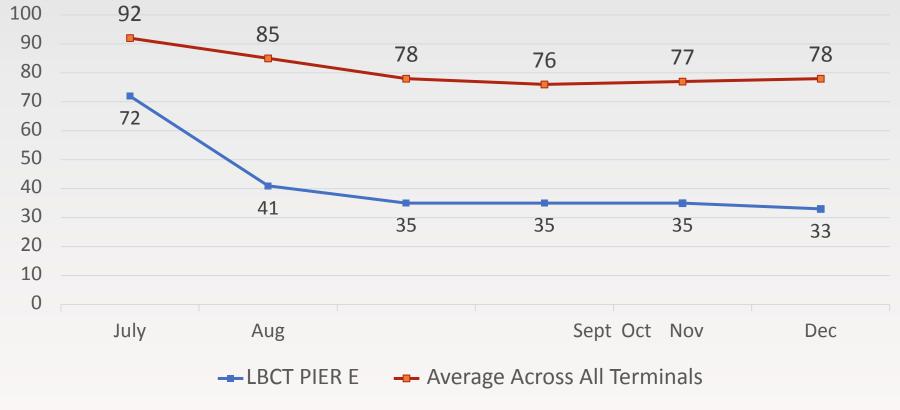




# THE TO THE TOTAL THE TOTAL



2022 LBCT Turn Time Average July through December



Data
Source: HARBOR
TRUCKING
ASSOCIATION



### Trucks Idle and Queue Less at LBCT

### Less Idling = Less Emissions\*







# ret zero EMRSSIONS ness: Rail



Largest on dock rail facility in NorthAmerica

Average dwell time: 3.5 days vs. 4 to 7 at competing terminals

Fewer trucks on our roads means less idling and less emissions

Beginning dialogue on electrification of

rail







## Understanding Carbon Disclosure Project (CDP) Scopes 1, 2 and 3

Scope

Indirec

Leased

assets

量

Employee

#### **GHG Protocol**

Carbon accounting is rooted in the fundamentals set forth in the Greenhouse Gas Protocol (GHG protocol), which divides emissions from

#### Scope 1 & Scope 2

Scope 1 emissions are all direct emissions from the activities of an organization or under their control including on-site fuel combustion.

Scope 2 emissions are all indirect emissions from electricity purchased and used by the organization. Emissions during the production are created of the energy and eventually used by the organization.















#### Waste from operations

#### commutin \$1 Business travel

Scope

Indirect

贯

Purchase

electricity.

steam.

heating &

cooling for

own use



All other indirect emissions from activities of an organization, occurring from sources that they do not own or control. These are usually the greatest share of the carbon footprint for financial institutions and companies.

The protocol further divides Scope 3 emissions into 15 different categories. Data for scope 3 is more challenging to obtain but it should be a goal to account for and reduce scope 3 emissions by looking at the largest and most material asset categories within a business

End-of-life treatment of sold







Company

Scope

Direct

Compan

facilities

Compan

Scope

Indirec

Transportation

Processin

g of sold

products

Use of

product

& Distribution

**Downstream** activities

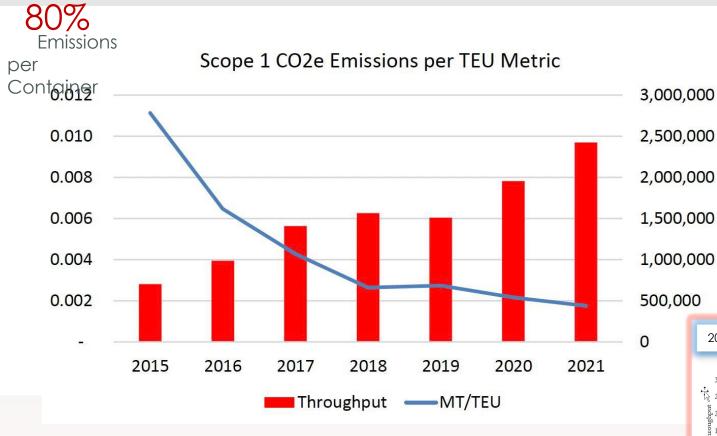
**Upstream Activities** 

# EMBSIONSINESS: Scope 1

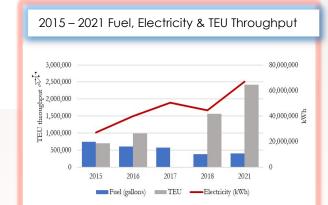




### LBCT has reduced Greenhouse Gases by more than

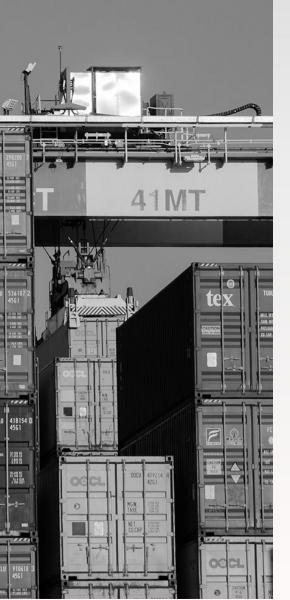


LBCT has grown from handling 700K TEU in 2015 to handling average of 2.5 million TEU in 2021.



# of 20-foot Containers = (TEU throughput)

# ret Zero. EMISSIONS Facts & Figures



+244%
TEU Thru-put
Capacity

Increase

-90%

NOx Emissions

Nitrous Oxide

-42%
SOx Emissions
Sulpher Oxide

-52%
Diesel Fuel
Consumption

270
Remaining
Vehicles
to Replace

1/2
Assets are CHE
~1/2
Gasoline

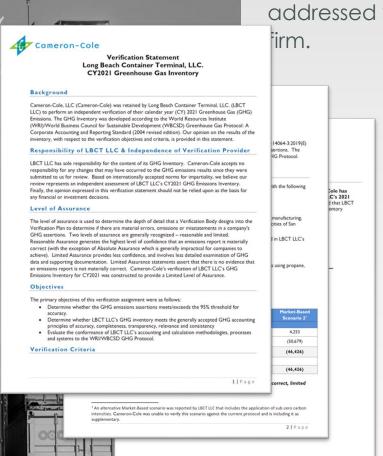






## Resilience: Measuring What

destails smissions calculations and how Scope 1 and 2 emissions are being addressed were independently verified by Cameron-Cole, an environmental services



Eliminate Scope 1 emissions – true 2030 net zero Equal focus on criteria pollutants and GHGs

\*\*Address Scope 2 (purchased SCE electricity) by generating LCFS Credits due to avoided emissions

Further reduced Scope 2 emissions by developing Renewable Energy Credits with Biogas projects

Partnering with S/C partners, cargo owners and major retailers to decarbonize Scope 3

Long Beach Container

\*LCFS – Low Carbon Fuel Standard

# isence: Scopes 1, 2 & 3

LBCT's baseline emissions calculations were verified by 3<sup>rd</sup> Party Cameron-Cole, an independent firm located in SF, CA, POLB, SCE, CARB and

SC AQMD



- . Determine whether the GHG emissions assertions meets/exceeds the 95% thr
- Determine whether LBCT LLC's GHG inventory meets the generally accepted principles of accuracy, completeness, transparency, relevance and consistency

  Evaluate the conformance of LBCT LLC's accounting and calculation methodology

Veri	fica	tion	Crite	ria

LC) to perform an independent verification of their calendar year (CV) 2021 Greenhouse Gas (GHG) immissions. The GHG inventory was developed according to the World Reacures Institute WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004 resided edition), Our opinion on the results of the inventory, with respect to the verification objectives and criteria, is provided in this statement.  Responsibility of LBCT LLC & Independence of Verification Provider BCCT LLC has sole responsibility for the content of its GHG inventory. Cameron-Cole accepts no esponsibility on you changes that may have occurred to the GHG emissions results since they were ulmitted to us for review. Based on internationally accepted norms for impartiality, we believe our eview represents an independent assessment of LBCT LLC's CY2021 GHG emissions inventory, imally, the opinion expressed in this verification statement should not be relied upon as the basis for my financial or investment decisions.  Evel of Assurance  The level of assurance is used to determine the depth of detail that a Verification Body designs into the refrification Plan to determine if there are material errors, omissions or misstatements an a company's 3-field searchine. The Volvels of assurance are generally recognized – reasonable and limited.	iples of ISO-14064-3:2019(E) pass Gas Assertions. The WBCSD GHG Protocol.	
Cameron-Cole, LLC (Cameron-Cole) was retained by Long Beach Container Terminal, LLC. (LBCT LLC) to perform an independent verification of their calendar year (CY) 2013 Greenhouse Cas (GHG) Emissions. The GHG Inventory was developed according to the World Resource Institute (WRI)World Business Council for Sustainable Development (WRCSD) Greenhouse Cas Protocol: A Corporate Accounting and Reporting Sandard (2000 revised edition). Our opinion on the results of the inventory, with respect to the verification objectives and criteria, is provided in this statement.  Responsibility of LBCT LLC & Independence of Verification Provider LBCT LLC has sole responsibility for the content of its GHG Inventory. Cameron-Cole accepts no responsibility for any changes that may have occurred to the GHG emissions results since they were submitted to us for review. Based on internationally accepted norms for impartiality, we believe our review represents an independent assessment of LBCT LLC is 27021 GHG Emissions internatory. Finally, the opinion expressed in this verification statement should not be relied upon as the basis for any financial or investment decisions.  Level of Assurance  The level of assurance is used to determine the depth of detail that a Verification Body designs into the verification Part of determine of there are material errors, omissions or misstatements in a company's GHG assertions. Two levels of assurance are generally recognized – reasonable anamistons reports in materially	riples of ISO-14064-3:2019(E) puse Gas Assertions. The	
BCT LLC has sole responsibility for the content of its GHG inventory. Cameron-Cole accepts no esponsibility for any changes that may have occurred to the GHG emissions results since they were ubmitted to us for review. Based on internationally accepted norms for impartiality, we believe our event represents an independent assessment of LBCT LLC's C7320 I GHG Emissions Inventory, inally, the opinion expressed in this verification statement should not be relied upon as the basis for my financial or investment decisions.  _evel of Assurance  The level of assurance is used to determine the depth of detail that a Verification Body designs into the Perification Plan to determine if there are material errors, omissions or misstatements in a company's GHG assertions. Two levels of assurance are generally recognized – reasonable and limited.		
Verification Plan to determine if there are material errors, omissions or misstatements in a company's GHG assertions. Two levels of assurance are generally recognized – reasonable and limited.	Inventory with the following ntrol; office, manufacturing, ated in the cities of San	ole has 2's 2021 that LBCT ntory
reconstituted. Assurance priora text by the great new or which is generally impractical for companies to Generally described in the provided less confidence, and involves less detailed camanisms of GFG the provided less confidence and involves less confidence, and involves less detailed camanisms of GFG and and supporting documentation. Limited Assurance statements assert that there is no evidence that an emissions report is not materially correct. Cameron-Colé's verification of LEST LICE GFG Cameron-Colé's verification of LEST LICE GFG Cameron-Colé surfication of LEST LICE STATE Cameron-Colé surfic	are identified in LBCT LLC's	
Dbjectives	Based Market-Based	
he primary objectives of this verification assignment were as follows:	Scenario 2 <sup>1</sup>	
Determine whether the GHG emissions assertions meets/exceeds the 95% threshold for	53 4,253	
accuracy.  Determine whether LBCT LLC's GHG inventory meets the generally accepted GHG accounting	01 (50,679)	
principles of accuracy, completeness, transparency, relevance and consistency  • Evaluate the conformance of LBCT LLC's accounting and calculation methodologies, processes	53 (46,426)	
and systems to the WRI/WBCSD GHG Protocol.	42	7
Verification Criteria	(46,426)	
	materially correct, limited	
$1 \mid P \text{ a g e}$ intensities. Cameron-Cole was unable to verify this scenario against the cun supplementary.		
	2   Page	
€ TARE LINE	21.080	

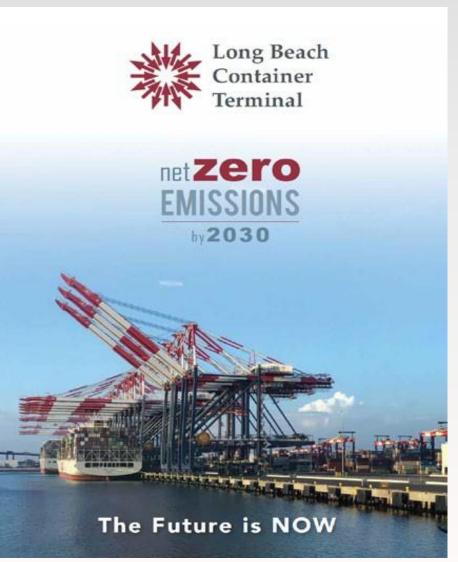
3 | Page

	Location Based 2022	Location Based 2021
Scope 1	2,110	4,253
Scope 2	16,627	15,620
Total (Scope 1 & 2)	18,737	19,873
Scope 3	27,103	na
Total (all 3 scopes)	45,841	
RECs and Offsets	47,533	10,542
Net Emissions	0	9,331



# tance of Reporting





- Forces rigor / in depth analyses of ESG and GHGs
- Facilitates ongoing stakeholder dialogue
- Demonstrates commitment to goals, actions and verification
- Communicates short and long term progress
- # Highlights wins and challenges warts and all!



# <u>cial Investment</u>



OOCL BANGKOK

\$200 Million Committed to Invest by 2030





Solar & Distributed Generation Investigating Hydrogen/Other



Community Solar, Watershed Improvements, Marine Projects







More State and Federal Funding Available than ever before to incentivize action but remember the TINSTAAFL Principle.



# EMESTICATION PURSUITS (Min 80/20% Match)



- \*\* Awarded PIDP 2022 \$37.5M to transition 60 Yard tractors = 93% remaining diesel emissions
- \* Waiting on \$45M CalSTA CHE Replacement Plan
- Submitted PIDP 2023 \$85M ZE First w/SC AQMD on complete Infrastructure Replacement Plan
- \* Awarded ~\$600K CORE/DERA CARB/SC AQMD
- Pursuing Demos, Charging for POV & of course IRA



INVESTMENT
and JOBS ACT







Long Beach Container Terminal



\*Largest battery exchange buildings in the world – energy storage opportunity

Maximize potential for distributed generation and new innovations

Develop renewables and invest in solar, wind and tidal demonstrations

3 large solar arrays and 5 LEED Gold buildings







# Regeneration: Collaboration

- Understand what is important to your customers, communities and supply chains
  - Provide transparent, accurate and verifiable data for compliance & competitive advantage GRESB
- competitive advantage GRESB Improve the quality of data through better monitoring and automating data collection and
- \*\* reporting SFDR
- Open your site to key stakeholders including community
  - Enable customers to make more informed decisions and to leverage new products and

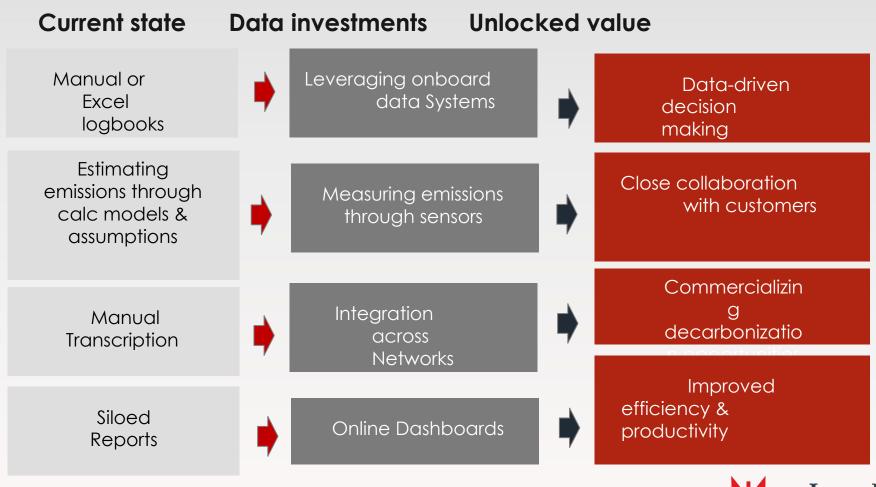






Investing in improving our end-to-end data architecture will unlock opportunities to engage with stakeholders and enable customers to realize greater value







# ret zero EnRegeneration



- \*Partner with the Ports and regional entities to support the local and global
- \*community

Be a systemwide advocate in protecting the air, water, land, species and natural ecosystems

\*\*Prioritize education, motivate workforce engagement, provide access and create new careers

Recognize importance of







# EMSHORINGES / Opportunities



- Ensure shovel readiness for funding pursuits and invest in infrastructure first
- \* Return on Investment / Grant
- \*\* Internalizing the externalities
- Early adopter/technology readiness
  - Meeting port and funding agency
- specifications and requirements (BABA)
  - Robust metrics, cost/project
- \* management, audit support and reporting structures

Engaging, exciting, empowering and







