



Raleigh-Durham Airport Authority

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# Sustainability Management Plan

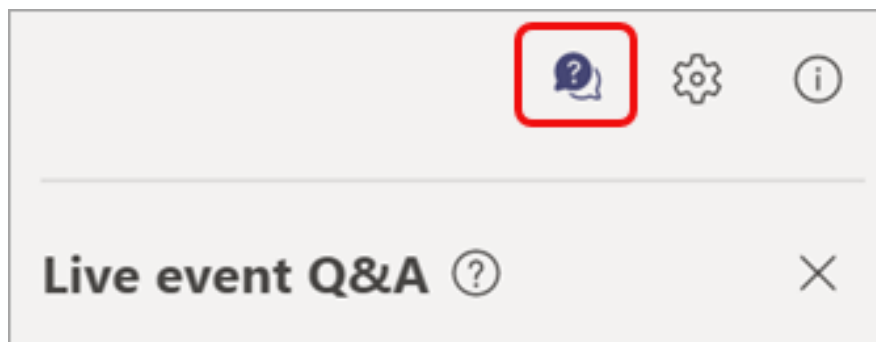
Public Meeting

October 27, 2021



# How to Submit Questions

- **Select the Q&A icon**, either at the top of the pane when the pane is open or at the top of the screen

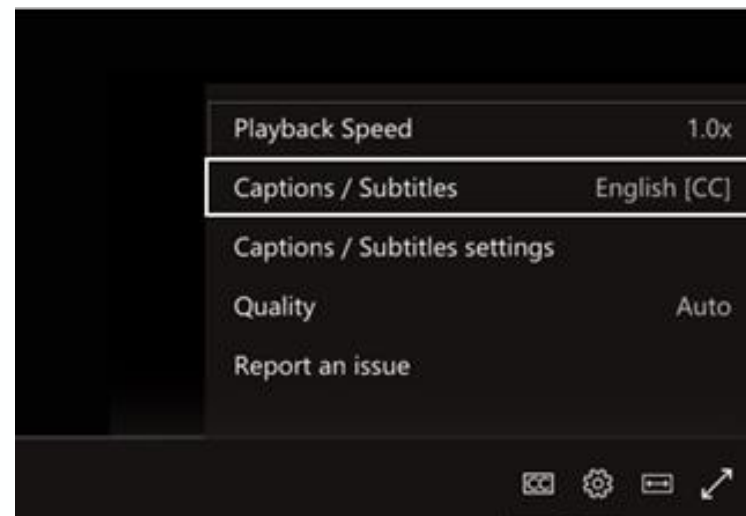


- Select **Ask a question** at the bottom of the pane
- **Type your question** in the compose box, and then **select the Send icon**



# How to Turn on Live Captioning

- **To turn on live captions and subtitles:** Select the **Captions/Subtitles On** button in your video controls
- **To change the caption language:** select Settings > Captions / Subtitles and choose the language you want.



# Agenda

- Introduce Sustainability Management Plan (SMP) project and key team members
- Review SMP process and work to-date
- Provide overview of Draft Actions
- Q&A
- Next Steps



# RDU Team Members



**Gina Danison**

ENV SP

Director of Environmental Programs



**Rachel Stair**

LEED AP ID&C

Director of Planning and Sustainability



**Mary Griffith**

Director of Community Affairs



# Project Team Members



Allison Anolik  
Project Manager



Claire Still  
Sustainability Consultant



Craig Riley  
LEED AP BD+C, MBA, ISSP-CSP  
Senior Advisor



Johnetta Perry  
Public and Stakeholder  
Engagement Lead



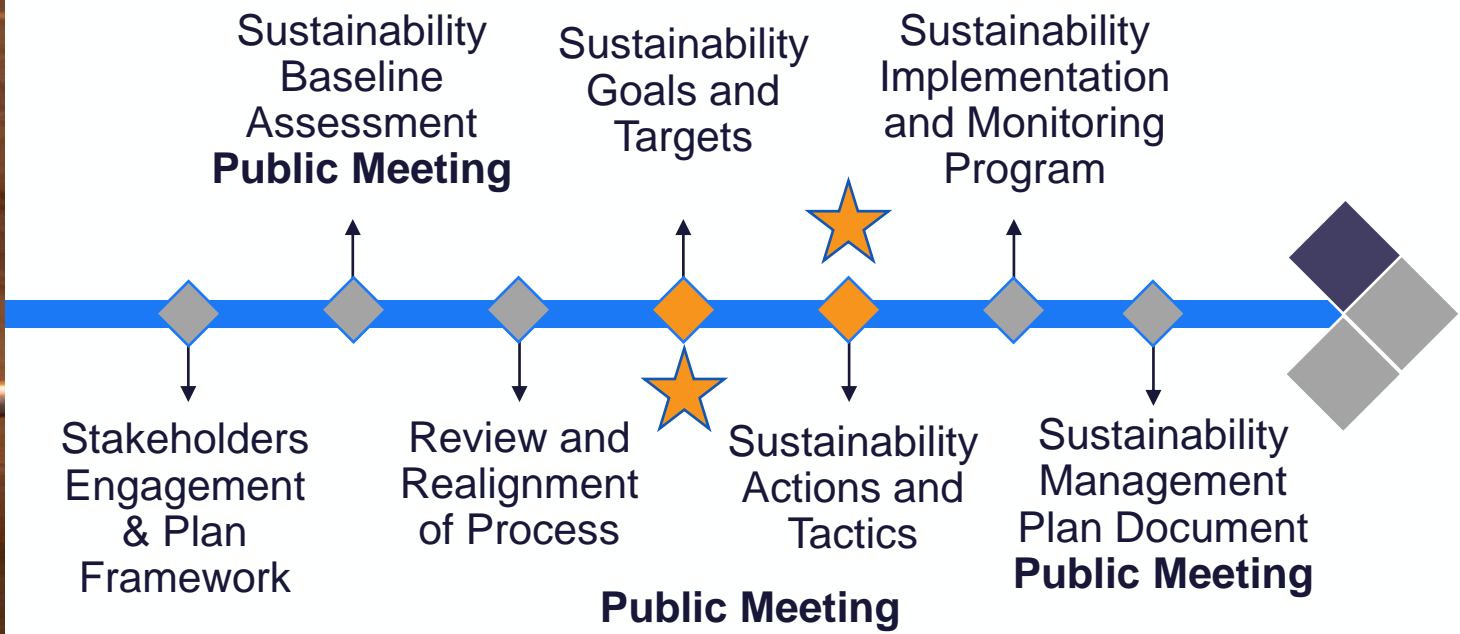


# Goals for the RDU SMP

- Provide proactive, holistic approach to sustainability
- Integrate sustainability into planning, operations, projects, programs, and decision-making
- Serve as a road map for achieving measurable goals
- Describe and quantify financial and other benefits of sustainability



# SMP Process



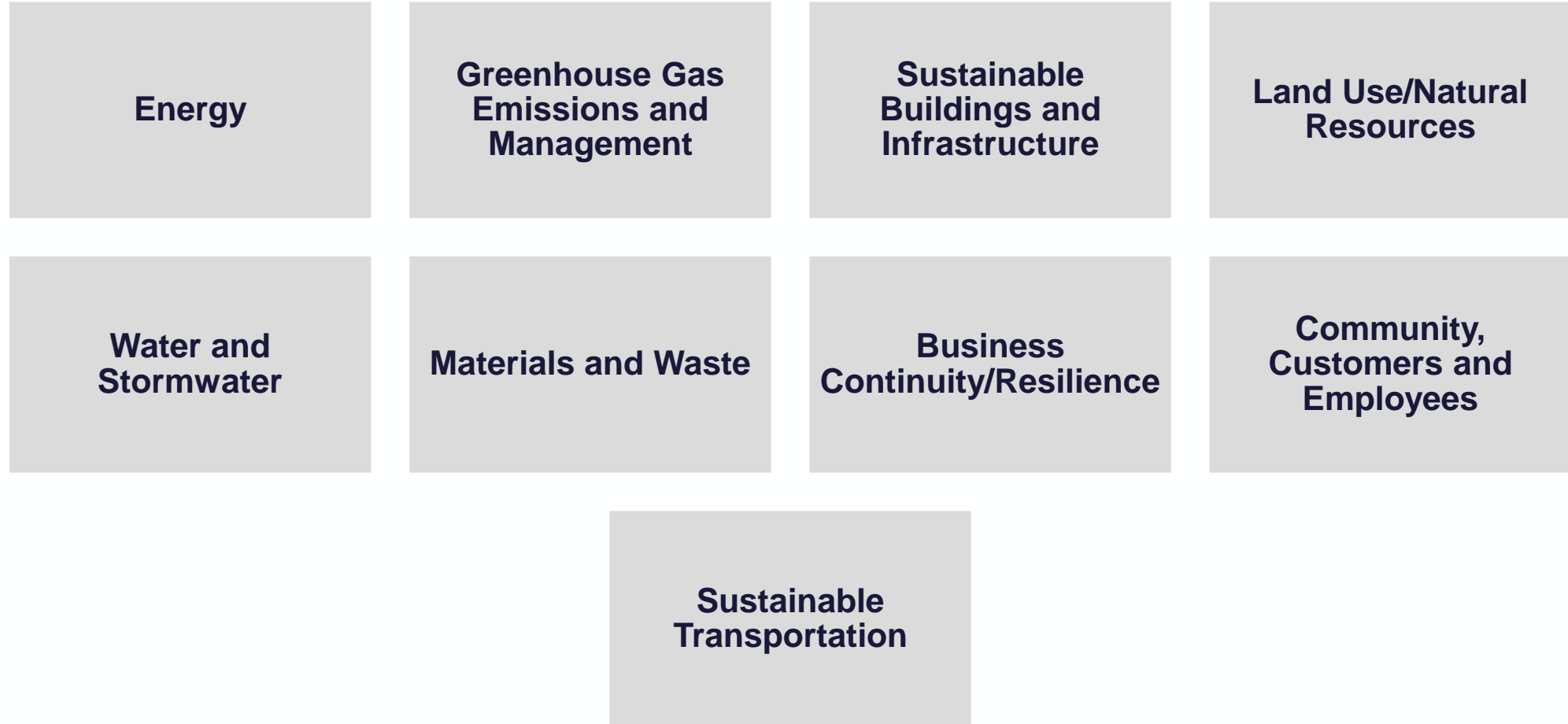


# RDUAA Sustainability Statement

“The Raleigh-Durham Airport Authority has worked with community leaders to **grow responsibly, with genuine respect for our natural resources and a desire to deliver a world-class airport experience.** We have been diligent in environmental stewardship, often exceeding regulatory expectations. As our region thrives, we remain committed to responsible, sustainable growth that positively contributes to all aspects of our dynamic community — **environmentally, socially, and fiscally.**”



# Focus Areas





# Baseline Assessment

- Initial assessment of sustainability performance
- Data reviewed, analyzed, and organized
- Results and findings used to inform the development of goals, targets, and to identify actions

# Opportunities Identified by Baseline

- Develop enhanced data management systems
- Develop formal policies to support sustainability programs
- Consider staffing for sustainability-related responsibilities
- Integrate regional resources as part of RDUAA's sustainability strategy
- Inform and engage the community in RDU's growth and development process
- Implement “low-hanging fruit” actions for short-term wins

**<https://www.rdu.com/sustainability-management-plan/>**





# Realignment and Review of Baseline

- Emphasis on environmental and social issues such as resilience and health
- Importance of resource efficiency – do more with less
- Importance of engagement and strong partnerships
- During the pandemic, increased “intensity” for water, energy, and GHG emissions even though absolute use decreased

A large stadium with a blue corrugated metal roof and yellow walls, illuminated by warm sunlight. The text 'Goals, Targets, Actions & Tactics' is overlaid in white.

# Goals, Targets, Actions & Tactics

# Common language

## Definition

- **Goals** – blueprint to achieve a more sustainable future that align with RDU's core business
- **Targets** – specific and usually quantitative representation of goals typically with a defined timeline
- **Actions** – initiatives identified to support goal and target achievement
- **Tactics** – detailed tasks that are individual steps to completing a larger action

## Example:

- **Goal:** Reduce GHG Emissions
- **Target:** 25% below 2019 levels by 2030
- **Action:** Calculate, verify and publicly report GHG emissions on an annual basis
- **Tactic:** Hire a third-party verifier to validate RDU's carbon footprint


























# Actions and Tactics Development

- Develop a broad list of actions per focus area based on input from stakeholders and industry best practices
- Develop detailed tactics that are paired with actions to support implementation
- Develop prioritization criteria in collaboration with RDU Airport Authority
- Prioritize the actions needed to achieve the goals for each focus area



# Actions Ranking Criteria

IMPLEMENTATION COSTS						IMPLEMENTATION BENEFITS							
Up-Front Costs		Ongoing Expenses		Staff Effort		Resilience		Environmental Benefits		Social Benefits		Organizational Alignment	
What are the order-of-magnitude up-front costs the action?		What are the order-of-magnitude ongoing costs required to maintain the action to the intended quality and standard?		Would additional staff effort (beyond traditional day-to-day responsibilities) or external resources be required to support action implementation?		Does the action contribute to the resiliency of RDU's operations? Consider risks such as climate change, fuel costs, power outage, emergency response, etc.		Does the action provide cross-cutting environmental benefits? Considering the sustainability topics of enegy, air/GHG emissions, waste reduction, water use.		Does the action provide cross-cutting net social benefits? Social encompasses community, customers, and employees. Benefits could include improvements to customer experience, community relations (including messaging opportunities).		Does action align with existing opportunities, future capital project, and/or leadership interests, regional initiatives?	
33.3%		33.3%		33.3%		25%		25%		25%		25%	
50.0%						50%							
--	Cannot be determined	--	Cannot be determined	--	Cannot be determined	--	Unknown	--	Unknown	--	Unknown	--	Unknown
	Upfront Cost <i>greater than</i> \$100,000		Increase over existing ongoing expenses		Action would require external resources and support		Action does not affect airport resiliency		Action does not provide environmental benefits		Action does not provide net social benefits		No or limited alignment identified
	Upfront Cost between \$25,000 - \$100,000		Neutral to ongoing expenses, or minor ongoing expense increase due to new system		Action could be implanted with internal resources if new skills are acquired. Possibly new FTE(s)		Action provides benefits to 1-2 typical external risks to airport operations		Action provides environmental benefits associated with 1 focus area		Action provides net social benefits associated with 1 group (i.e., customers, employees, community)		Some alignment identified, may be tangential or not formally recognized
	Upfront Cost <i>less than</i> \$25,000		Anticipated reduction of ongoing expenses		No to minimal additional existing staff responsibilities		Action provides benefits to more than 3 typical external risks to airport operations		Action provides environmental benefits associated with 2 or more focus area		Action provides net social benefits associated with more than 1 group		Aligns with recognized project or interest





# Potential Business Continuity and Resilience Actions

- Develop a climate adaption strategy
- Create, or review and improve, the airport's crisis management plan
- Follow industry best practices and assess the Airport's alignment of health measures with ACI guidance



# Potential Sustainable Buildings and Infrastructure Actions

- Include a life cycle cost-benefit analysis in capital project development
- Adopt sustainable design standards
- Use the Envision rating system
- Pursue health and wellness building certification
- Avoid light pollution
- Use a CMMS to streamline operations management
- Install Building Automation Systems
- Develop sustainable construction guidelines
- Develop a systems commissioning plan 



# Potential Sustainable Transportation Actions

- Convert the vehicle fleet to EV and ZEV vehicles
- Implement a Sustainable Transportation Program to promote alternatives to single occupancy vehicle trips
- Work with local transit systems to identify ways to increase the frequency of trips to/from RDU





# Potential Community, Customers and Employees Actions

- Partnerships to develop and implement sustainability strategies, improve awareness, and create recruitment opportunities
- Educate travelers through displays, commercials, and art exhibits
- Continue to engage stakeholders and the greater community



# Potential Energy Actions

- Commission an Energy Audit and conduct an alternative renewable energy feasibility study
- Develop Strategic Energy Management Plan
- Investigate a public-private partnership to construct and operate a renewable energy system.
- Investigate renewable energy systems, tax credits, rebates, and grants
- Purchase “Green Power”
- Incentivize tenant energy reduction
- Implement standard energy tracking program
- Building Retro-Commissioning





# Potential Greenhouse Gas Emissions Actions

- Calculate, verify and publicly report GHG emissions on an annual basis
- Support the development of alternative fuels for aircraft
- Support indirect GHG reduction measures
- Create a roadmap to achieve decarbonization goals



# Potential Land Use and Natural Resources Actions

- Develop sustainable landscaping guidelines and an Integrated Pest Management plan
- Minimize disturbing landscape areas
- Partner with local conservation groups
- Pursue tax incentives
- Use bees and honey to biomonitor air quality
- Promote sustainable tourism
- Prepare a smart growth plan





# Potential Materials and Waste Actions

- Conduct a waste composition study and develop an Integrated Solid Waste Management Plan
- Improve waste data collection and tracking
- Reduce contamination in recyclables
- Establish a formal food waste recovery and donation program
- Develop and enforce tenant sustainability policies
- Reuse materials in construction and operations



# Potential Water and Stormwater Actions

- Complete a Stormwater Master Plan
- Install high-efficiency fixtures, fittings, and equipment
- Design for and install stormwater Best Management Practices
- Recycle used non-potable water



# Potential General Actions

- Develop and implement an Environmental Management System
- Develop and adopt a Sustainable Procurement Program and a Green Concessions Program
- Explore funding opportunities for sustainability projects
- Improve data collection and management processes
- Create a Sustainability Manager position and/or an Office of Sustainability



# Questions & Answer Session





# Question and Answer Session

- Do you have any questions on the SMP process or the potential actions we shared tonight?
- What actions do you want to learn more about?
- Are there any sustainability actions we didn't touch on that should be considered?



# Next Steps

- Answer your questions and collect your input!
- Obtain your feedback in an online survey:  
<https://forms.office.com/r/PbbvRdftbw>
- Meet with the Internal and External Advisory Committees
- Finalize Goals/Targets and Actions/Tactics



Thank You!

