



**LANE TRANSIT DISTRICT  
BOARD OF DIRECTORS  
AD HOC SUSTAINABILITY COMMITTEE**

Friday, October 04, 2019  
2:00 p.m. – 4:00 p.m.

**LTD Board Room**  
3500 E. 17th Avenue, Eugene  
(Off Glenwood Blvd. in Glenwood)

**AGENDA**

<u>Time</u>	<u>ITEM</u>	<u>Page</u>
2:00 p.m.	I. CALL TO ORDER	
	II. ROLL CALL	
	<input type="checkbox"/> Kate Reid <input type="checkbox"/> Joshua Skov <input type="checkbox"/> Don Nordin	
	III. COMMENTS FROM THE CHAIR	
2:05 p.m.	IV. ESTABLISH THE PURPOSE OF THE MEETING	
	<i>Committee members will discuss the purpose of the committee and how to incorporate the recommendation for the strategic business plan.</i>	
3:55 p.m.	V. SET DATE AND TIME FOR THE NEXT MEETING	
4:00 p.m.	VI. ADJOURNMENT	

**The facility used for this meeting is wheelchair accessible. To request a reasonable accommodation or interpreter, including alternative formats of printed materials, please contact LTD's Administration office no later than 48 hours prior to the meeting at 541-682-5555 (voice) or 7-1-1 (TTY through Oregon Relay).**



## AGENDA ITEM SUMMARY

**DATE OF MEETING:** September 16, 2019

**ITEM TITLE:** GREENHOUSE GAS INVENTORY RESULTS

**PRESENTER:** Kelly Hoell, Sustainability Program Manager

**DIRECTOR:** Tom Schwetz, Director of Planning and Development

**ACTION REQUESTED:** Information and Discussion

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**PURPOSE:** The Board will review the results of LTD's first greenhouse gas (GHG) inventory.

**ROLE OF THE BOARD:** The Board's role in this instance is to obtain information for a future decision.

**HISTORY:**

- In 2007, the LTD Board passed Resolution 2007-027 Lane Transit District Sustainability Policy, committing the District to advancing the social, economic, and environmental sustainability of the Eugene/Springfield metropolitan area in the following four areas: Providing quality transit service, using environmentally-friendly vehicles, constructing earth-friendly projects, implementing sustainable operating practices.
- In June 2015, as a result of several bills passed by the Oregon legislature, LCOG published the Central Lane Scenario Planning Final Report which outlined the most effective ways for the Central Lane MPO to reduce transportation-related GHG emissions. The effort was focused on planning ways for the state to reach its 2050 goal of reducing GHG emissions 75% below 1990 levels. Active transportation and transit were named as key components of the preferred scenario.
- In 2016, the Eugene City Council updated its Climate Recovery Ordinance (CRO) with four goals:
  - Reduce community fossil fuel use by 50% of 2010 levels by 2030.
  - Reduce total community GHG emissions by an amount that is no more than the City of Eugene's average share of a global atmospheric GHG level of 350 parts per million (ppm) by 2100, which was estimated to require an annual average emissions reduction level of 7.6%.
  - All City of Eugene owned facilities and operations shall be carbon neutral by 2020.
  - Reduce the City of Eugene's use of fossil fuels by 50% compared to 2010 usage.
- In 2018, LTD began partnering with the City of Eugene as a Large-Lever Shareholder in its Climate Action Plan 2.0 process to quantify how far along the community was in achieving the goals of the CRO and identify gaps and opportunities.
- In August 2018, LTD created a part-time paid position of Sustainability Program Manager to direct the District's sustainability initiatives.
- In fall 2018, LTD received MPO grant funding to conduct an in-depth study to understand the triple-bottom line implications of different investments in technologies and fuels to inform its long-term fleet plan. That work is expected to begin in calendar year 2020.
- In Feb 2019, and in May 2019, LTD put its first and second all-electric buses respectively into revenue service as part of its extensive testing program to ensure the electric vehicles meet LTD's required specifications and will meet the long-term expectations and needs of the District.
- In April 2019, Sustainability Program Manager Kelly Hoell presented to both the SPC and the Board of Directors with information outlining the scope, activities, and timeline of the District's Sustainability Program.

**CONSIDERATIONS:** The analysis covers both emissions from transit operations and the emissions benefits of public transit at a community scale. The analysis covers a 7-year period from FY 2012 - 2018. The boundaries of the report look at all emission sources related to LTD's operations from owned and leased facilities and assets, and all mission-critical activities. The analysis conforms to the best practices of leading GHG reporting protocols.

For some emission sources (fleet, natural gas used in owned buildings for heating, refrigerants from bus air conditioning systems, electricity from buildings and equipment) precise data was available and emissions calculations include very little uncertainty. Within the Fleet category, the report includes emissions from owned Fixed Route buses, owned EmX buses, owned RideSource vehicles, owned vehicles used for rural connections service (Diamond Express in Oakridge, Rhody Express in Florence, and the Yachats-Florence connector service), owned non-revenue vehicles used by LTD staff, and leased vanpool vehicles. It does not include emissions from vehicles LTD owns that are used for transit operations in the City of Cottage Grove as part of South Lane Wheels because LTD does not report on fuel consumption for those vehicles to the National Transit Database. Additionally, as LTD does not own or lease the taxis and other vehicles used for NEMT (non-emergency medical transportation) trips, this category of emissions has been excluded from the inventory.

For other sources (business travel, solid waste, employee commute, emissions from upstream fuel production, emissions from production of goods and services within LTD's supply chain) data and calculation methodologies were less precise and were estimated using best practices to provide a sense of scale for these emissions sources. LTD does not have full control over these estimated emissions sources and shares responsibility for these sources with other entities. By understanding the sense of scale of its full emissions profile, including shared emissions sources, LTD is well positioned to identify all opportunities to directly manage or indirectly influence its GHG emissions.

The Board will be able to use this information to:

- update its sustainability policy (adopted in 2007),
- understand how both LTD's emissions from its operations and the broader community benefits from transit fit into the state, regional, and City of Eugene GHG reduction goals,
- set initial greenhouse gas reduction goals, and
- understand the implications of operational decisions on energy and emissions performance.

**ALTERNATIVES:** N/A

**NEXT STEPS:** A full report outlining the GHG inventory results discussed today will be published in October 2019. Later this fall, LTD is planning to purchase electric buses from the Washington State Contract and staff will return to discuss this with the Board once a contract is issued. Also this fall, staff will begin a procurement process to hire a consulting team to assist with a triple bottom line analysis of available fleet technologies and fuels to inform a long-term fleet plan. This analysis will begin in early 2020 and will provide modeling of the financial, social, and environmental impacts (including GHG implications) of investments in various fleet technologies / fuels.

**SUPPORTING DOCUMENTATION:**

- 1) Presentation of GHG inventory and energy consumption baseline results

**PROPOSED MOTION:** N/A

## **Lane Transit District Sustainability Policy**

### **June 20, 2007**

Lane Transit District is committed to advancing the social, economic and environmental sustainability of the Eugene/Springfield metropolitan area. The District commits to pursue action in the following four areas:

- **Providing quality transit service**  
As a key player in the regional transportation arena, Lane Transit District strives to provide residents and visitors with viable transportation options that reduce vehicle miles traveled in the community.
- **Using environmentally-friendly vehicles**  
Lane Transit District commits to the conversion of its fleet to quiet, more environmentally-friendly vehicles, with the conversion triggered by the cost, availability, and reliability of the new technology.
- **Constructing earth-friendly projects**  
Lane Transit District recognizes the importance of environmentally responsible practices in design and construction, and commits to using sustainable practices when developing transit facilities and other transit infrastructure in the community.
- **Implementing sustainable operating practices**  
Lane Transit District's commits to implementing viable sustainability practices in all facets of its operations.

These four elements are described in more detail in the attached supporting white paper.

# White Paper on Sustainable Transit Operations

## Quality Transit Service

Provide attractive transportation alternatives to the single-occupant automobile is the single most important sustainability effort for a transit agency. Reductions in vehicle miles traveled can significantly reduce the carbon footprint of the community. LTD pursues this goal primarily by providing high-quality transit service, including the recently introduced EmX bus rapid transit service. LTD also manages the regional transportation demand management program, which includes a ridesharing program, van pools, and other programs that reduce automobile use.

The Regional Transportation Plan (RTP) that has been adopted by the City of Eugene, City of Springfield, City of Coburg, Lane County, and LTD, provides details on policies, programs, and strategies relating to transit service and transportation demand management.

## Vehicles

LTD operates a fleet of approximately 100 buses that travel more than three million miles per year. In addition, the District owns 40 smaller buses for demand-response service for the elderly and disabled, and has 27 support vehicles. LTD is committed to reducing emissions from LTD operated vehicles.

### Current Sustainability Measures

1. Use of ultra low-sulfur diesel fuel
2. Use of four hybrid-electric cars for administration
3. Use of six hybrid-electric buses for the EmX service
4. Purchase of five hybrid-electric articulated buses
5. Bus Idling- buses are turned off if stopped for more than three minutes
6. Testing of five percent bio-fuel mix on certain buses

### Planned Sustainability Measures

1. All future buses purchased will be hybrid-electric or other low-emission technology
2. All future support vehicles purchased will be hybrid-electric or other low-emission technology
3. Use of 20 percent bio-fuel mix on all buses

## Construction Projects

LTD has constructed many facilities in the community, with many more planned for the future. Constructed and planned facilities include transit stations, passenger shelters, operating bases, and rapid transit lines. LTD's facilities are long-lasting and attractive, using durable materials that reduce life-cycle costs. This durability is, in itself, a sustainable practice. Recent projects have taken this one step further, with specific consideration of leading-edge sustainable design.

### Current Sustainability Measures

1. On-site stormwater treatment system (Springfield Station)
2. Efficient ground-source heat pumps (Springfield Station)
3. Stormwater treatment (Glenwood)

4. Use of drought-resistant, native landscaping (Franklin EmX corridor, Springfield Station, RideSource)

#### Planned Sustainability Measures

1. Consider meeting standards for LEED certification in new facilities
2. Implement on-site renewable energy sources where feasible
3. Optimize energy performance for all new facilities
4. Commissioning of the building energy systems
5. Use innovative wastewater technologies
6. Develop water use reduction systems

#### Daily Operations

LTD's basic operation presents many sustainability challenges. Operating and maintaining many large vehicles presents opportunities to continually examine ways to minimize environmental impact and find innovative solutions to common operations issues. LTD is in a unique position to experiment with community- and earth-friendly products, services, techniques, and to encourage industry partners to explore workable solutions.

Sustainable operating business practices fall into a number of areas. This section inventories existing and planned sustainability measures in the areas of energy conservation, recycling, hazardous waste, procurement, and employee commuting.

#### Energy Conservation

##### Current Sustainability Measures

1. Use of energy efficient light bulbs
2. Use of motion sensors in common areas of to shut off lights when rooms are not is use (Glenwood, Eugene Station)
3. Testing of a solar-lit shelter

##### Planned Sustainability Measures

1. Purchase solar shelter lighting for all shelters
2. Eliminate use of incandescent light bulbs
3. Adjust thermostat settings to reduce summer A/C and winter heating requirements

#### Recycling and Re-Use

##### Current Sustainability Measures

1. Recycling paper waste (all facilities)
2. Recycling waste oil (maintenance)
3. Recycling anti-freeze (maintenance)
4. Recycling of metal waste (maintenance)
5. Recycling of plastics
6. Reuse of used printer cartridges
7. Donation of old computers to "Geeks Without Borders" for refurbishing and distribution to schools, clinics, and nonprofits in developing countries

### Planned Sustainability Measures

1. Expand and promote the paper recycling program
2. Establish a more effective plastic recycling system
3. Reestablish kitchen recycle bins and make arrangements to have recycled products delivered to recycle facilities

### Hazardous Waste

### Current Sustainability Measures

1. Use of environmentally-friendly cleaning fluids
2. Use of hot water parts cleaning tanks with biodegradable soaps

### Planned Sustainability Measures

1. Eliminate use of all toxic solvents and cleaning fluids

### Procurement

### Current Sustainability Measures

1. Purchase of recycled paper for office needs
2. Purchase of recapped (recycled) tires

### Planned Sustainability Measures

1. Require that contractors and consultants to LTD use sustainable business practices
2. Expand the use of electronic payments to vendors

### Employee Commute

### Current Sustainability Measures

1. Provide free bus passes to employees and their dependents
2. Provide an Emergency Ride Home option for all employees who use alternate transportation to get to work
3. Provide covered bike parking
4. Provide preferential parking for carpool
5. Provide on-site showers
6. Participate in area programs and competitions that promote alternative commuting methods

### Planned Sustainability Measures

1. Consider monetary incentive for those who take an alternative transportation mode to work

Q:\Reference\Board Packet FINAL\2007\06\Regular Meeting 6-20-07\Attachment Sustainability Policies and White Paper.doc

## AGENDA ITEM SUMMARY

**DATE OF MEETING:** June 20, 2007

**ITEM TITLE:** BOARD ADOPTION OF DISTRICT SUSTAINABILITY POLICIES

**PREPARED BY:** Tom Schwetz, Director of Planning and Development

**ACTION REQUESTED:** Adopt policies.

**BACKGROUND:** As part of the work session for this meeting, the Board was scheduled to discuss sustainability policies proposed by staff. The Board is asked to take action to adopt those policies. The proposed policies and a supporting white paper are attached to the work session summary.

**ATTACHMENTS:** None.

**PROPOSED MOTION:** I move approval of the following resolution:  
  
LTD Resolution No. 2007-027: It is hereby resolved that the LTD Board of Directors adopts the proposed sustainability policies.



## AGENDA ITEM SUMMARY

**DATE OF MEETING:** June 20, 2007

**ITEM TITLE:** DISTRICT SUSTAINABILITY POLICIES

**PREPARED BY:** Tom Schwetz, Director of Planning and Development

**ACTION REQUESTED:** Review and discuss proposed sustainability policies and measures.

**BACKGROUND:** Concerns regarding climate change, energy consumption, resource depletion, and general environmental degradation have created a growing impetus for both the private and public sectors to consider and implement sustainable business practices. Sustainability can be defined as *"Meeting the needs of the present without compromising the ability of future generations to meet their own needs."*

Public transportation is a key piece of the sustainability puzzle. Automobiles are a major energy user and a large producer of greenhouse gases that create global warming. Public transportation, which can significantly reduce automobile use, is an important element of a community effort to reduce greenhouse gas emissions. Regional plans and policies that support the increased use of public transportation are part of a community sustainability effort. In the Eugene/Springfield area, there are many transit-supportive policies and strategies that have been adopted by local public agencies and are designed to increase use of transit, such as EmX, LTD's bus rapid transit (BRT).

At a workshop in November 2006, the Board discussed sustainability and supported efforts to improve the sustainability of LTD operations, recognizing that the most important contribution LTD makes to community sustainability is reducing automobile use by providing transit service. LTD has considered sustainability issues in the past and has implemented a number of sustainability practices. However, these actions have not been considered in the context of a formal Sustainability Plan.

The attached document provides a set of sustainability policies that focus on LTD's day-to-day operations. This policy set serves as the first step in the development of a Sustainability Plan for the District. Based on these policies and related measures, a Sustainability Plan will be developed and brought back to the Board for adoption.

**ATTACHMENTS:** Proposed LTD Sustainability Policies and supporting white paper

**PROPOSED MOTION:** None. Action to be taken during the regular meeting session.

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**PROPOSED MOTION:**       None. Action to be taken during the regular meeting session.

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