

# LIGHT RAIL PERMITTING ADVISORY COMMITTEE



COMMITTEE MEETING  
April 15-3:30PM | ROOM 1E-113



# Agenda

- **3:30**
  - Call to Order, Approval of Agenda, Approval of March 18<sup>th</sup> Meeting Minutes – Co-Chairs Mathews and Van Houten
  - Public Comment
- **4:00**
  - Train Operations Noise Analysis – Kate Berens, Deputy City Manager
- **4:30**
  - Draft South Bellevue Segment Design and Mitigation Permit Advisory Document Continued Discussion– CAC Co-Chairs Mathews and Van Houten
- **5:20**
  - Public Comment



# Operational Noise Along the Alignment

Noise Source	Mitigation as part of Design and Mitigation Permit(s)
Train	<ul style="list-style-type: none"><li>- LRT designed with wheel skirts (cover over wheel wells) to reduce noise from rail-wheel interference</li><li>- O&amp;M program<ul style="list-style-type: none"><li>- Rail grinding</li><li>- Vehicle wheel truing and replacement</li><li>- Vehicle maintenance</li><li>- Operator training, operate under speeds used in noise analysis</li></ul></li><li>- Re-profile the rails to better match the wheels</li><li>- Maximize use of ballasted track (quieter than paved)</li></ul>
Traction Power Sub-Stations (TPSS)	<ul style="list-style-type: none"><li>- Subject to Noise Code Ch 9.18</li><li>- Designed to be enclosed within structures or with surrounding walls to mitigate noise</li></ul>



# Operational Noise Along the Alignment

City's technical analysis concluded certain additional measures were needed

## South Bellevue

- Installation of noise walls as planned to meet Federal Transit Administration (FTA) guidelines
- Add additional height and length to noise walls as necessary to meet city code
- Ensures noise of light rail is at or below the existing ambient levels

## Lake Bellevue

- Acoustic panels adjacent to the track per FTA to mitigate at or below existing ambient levels

## Bel-Red

- New residential construction along the alignment<sup>4</sup> are required to install sound proofing



# Operational Mitigation

- Establishes:
  - Noise and vibration monitoring plan
  - Performance standards for light rail operations
  - Should there be an exceedance, timely compliance and retesting



# Revised South Bellevue Segment Design and Mitigation Permit Draft Advisory Document

- **Changes Made to the Draft Advisory Document Reflect Comments From March 18<sup>th</sup> CAC Meeting**
- **Additional CAC Comments Post Meeting Provided in Desk Packet**