Today’s Purpose

• To present to you the final draft of IMPACT2050 designed to meet the challenge of the Climate Emergency

• To solicit your input and answer any final questions or concerns you may have
Addressing the Climate Emergency

- 45% by 2030
- 100% by 2050
Carbon Neutral Defined

Net zero CO$_2$ emissions are achieved when human-caused carbon emissions are balanced by human-caused carbon emissions removals over a specified period.
What It Isn’t

- GHG emissions from exported goods and services
- GHG emissions from imported goods and services
- CONSUMPTION-BASED GHG EMISSIONS
- SECTOR-BASED GHG EMISSIONS

GHG emissions from household use of fuel and electricity, and consumption of goods and services produced in the city.
So How Will You Get There?
A Pathway to Carbon Neutral

- **2030 Target:**
  - Buildings Excluded from IMPACT2050 Scope
  - Energy Supply Improvements
  - BAU Transportation Policies
  - New Transportation Policies
  - New Construction Policies
  - Existing Building Policies
  - Industrial Building Policies
  - Solid Waste Management

Requires Offsets/Sequestration
Hitting your Targets

- Implement a widespread energy efficiency & fuel switching retrofit program

- Aggressively adopt the BC Energy Step Code and add emissions targets
Hitting your Targets

✓ Design for Complete Communities
✓ Use Transportation Demand Management to reduce car trips
✓ Support action on congestion pricing
✓ Provide infrastructure for electric vehicles & e-bikes and support their adoption
✓ Support Zero Emissions Vehicle mandates and low carbon fuel standards
For Future Exploration

- Biosequestration
- Carbon Offsets
- Renewable Energy Certificates
- Emerging Technologies

![Graph showing GHG emissions over time with 2030 Target and buildings excluded from IMPACT2050 Scope]
Implementing the Plan

• Meeting the climate change challenge will require **real changes** to the way we think about and design our communities
  ✓ Educating and working with communities
  ✓ Partnerships with key stakeholders
  ✓ Support for DNV staff
  ✓ Advocacy to other scales of government
Thank you!

Project Manager: Lisa Westerhoff
DNV Lead: Shazeen Tejani

LWesterhoff@integralgroup.com
TejaniS@dnv.org