

Innovations in Sustainable Design: Pro-equity Capital Guidelines

APTA Sustainability & Multimodal Planning Workshop

July 31, 2018 – Vancouver, BC

Carrie Lee – King County Metro Transit, Seattle, WA



Metro at a glance

SERVICE AREA

2,134
sq miles

POPULATION

2.2
million

EMPLOYMENT

1.4
million

RIDERSHIP

FIXED-ROUTE

122
million

VANPOOL

3.6
million

ACCESS

1.3
million

ACTIVE BUS FLEET

1,552
excluding ST

BUS STOPS

8,000+

PARK-AND-RIDES

136
lots

P&R SPOTS

26,253
with ST

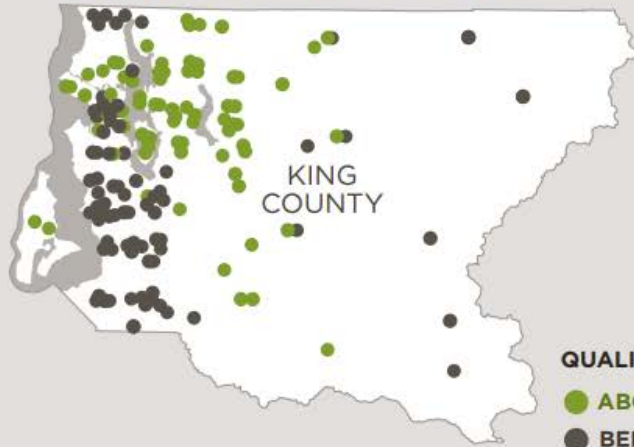


- 
- Equity and Social Justice Strategic Guidance
 - Best practice guidance for incorporating ESJ into capital project delivery
 - Example from our Battery Bus Deployment planning

Race and place matter

RACE AND PLACE PREDICT WHETHER PEOPLE HAVE THE OPPORTUNITY TO THRIVE.

QUALITY OF LIFE INDICATORS



QUALITY OF LIFE INDICATORS
● ABOVE AVERAGE
● BELOW AVERAGE

COMMUNITIES OF COLOR



PERCENT OF POPULATION
ARE PEOPLE OF COLOR
less than 20%
20-40%
greater than 40%

PEOPLE OF COLOR GENERALLY DO NOT EXPERIENCE THE SAME QUALITY OF LIFE AS WHITE RESIDENTS.

**EQUITY AND SOCIAL JUSTICE
STRATEGIC PLAN**

2016-2022



King County

Pro-Equity Policy Agenda



**CHILD & YOUTH
DEVELOPMENT**



**ECONOMIC
DEVELOPMENT**



**ENVIRONMENT &
CLIMATE**



**HEALTH & HUMAN
SERVICES**



HOUSING



**INFORMATION &
TECHNOLOGY**



JUSTICE SYSTEM



**TRANSPORTATION
& MOBILITY**

4 Strategies

KING COUNTY INVESTS...



Upstream, and where
needs are greatest,



in community
partnerships,



and in employees,



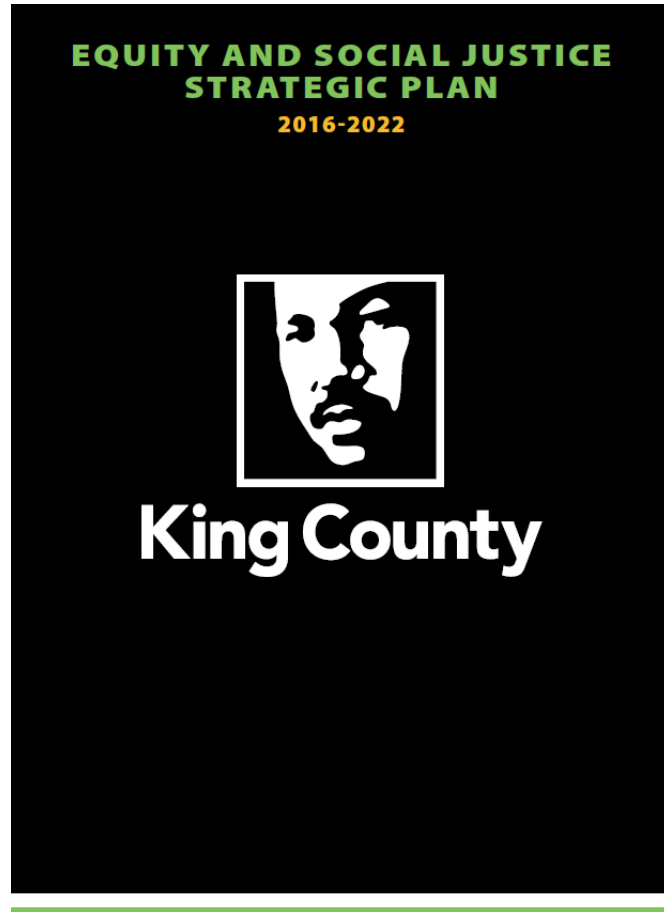
with transparent
and accountable
leadership.



6 goal areas:

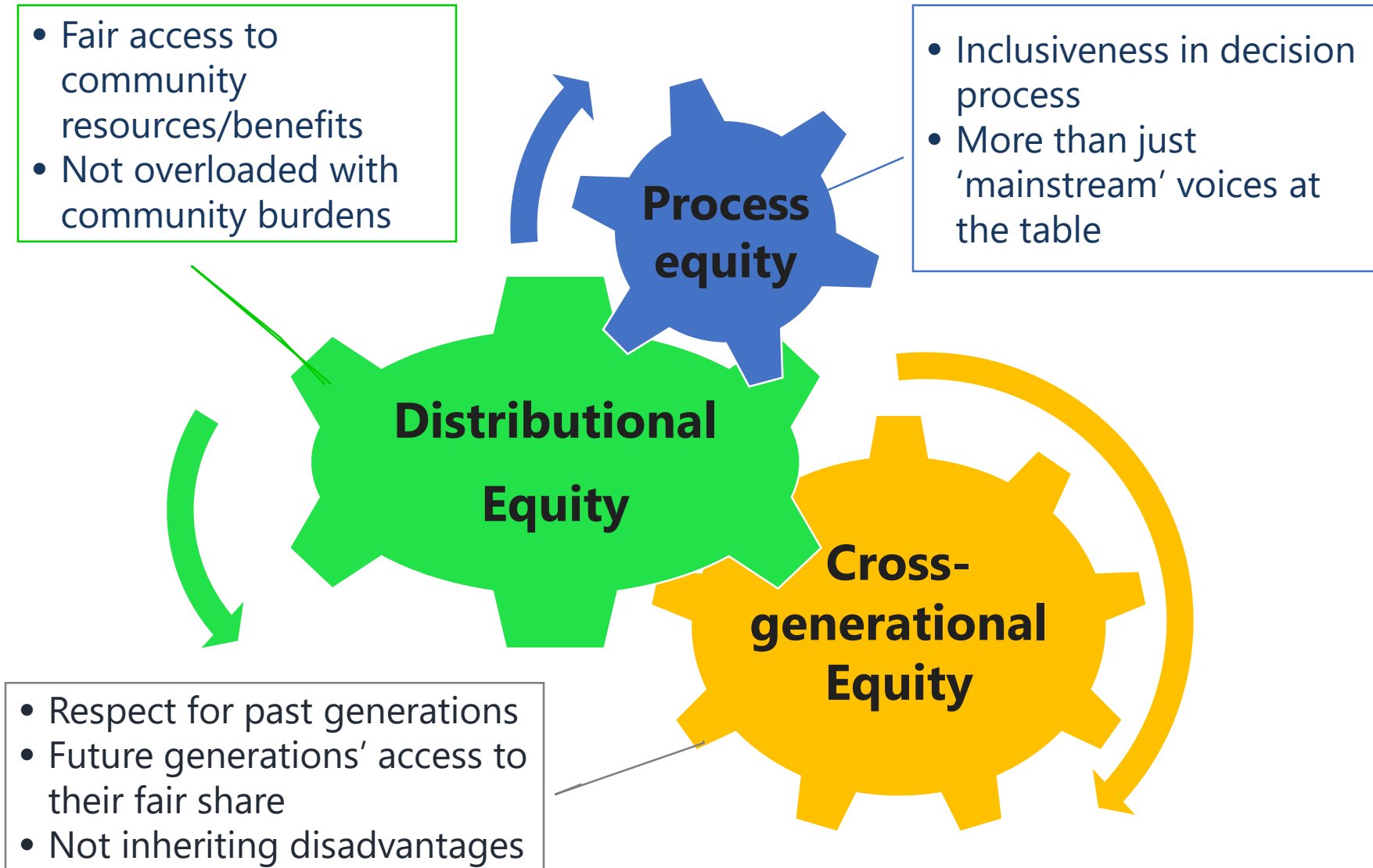


ESJ Strategic Plan: Facility and System Improvement Goal

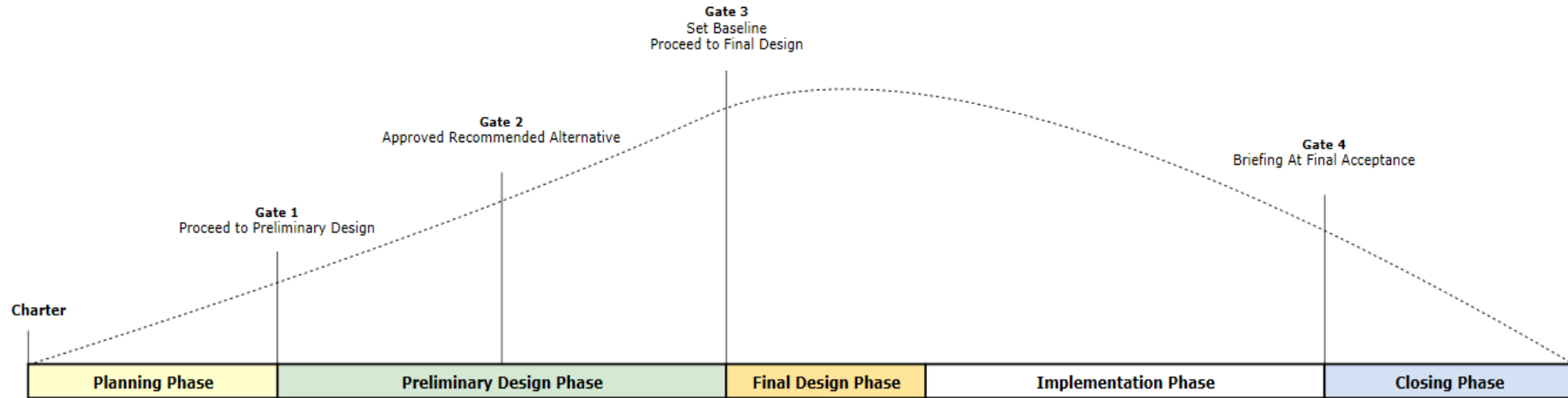


| | Objective |
|--|---|
| Long-term and system plans | ... include a description of the pro-equity intended future state for the system |
| Capital programs and portfolios | ... are composed and managed to drive toward more equitable conditions, per the plan |
| Capital projects | ... use ESJ section of Sustainable Infrastructure Scorecard to drive and account for pro-equity accomplishments |

Equity and social justice dimensions



Exemplary ESJ practices throughout capital project development lifecycle



1. Develop ESJ plan

2. Participation, partnering and engagement –

3. Diverse project design team –

4. Conduct Equity Impact Review –

5. Site, design and construct to counter known disparities –

6. Realize pro-equity elements of ESJ plan –

7. Advance economic justice via contracted work –

8. Pro-equity sourcing

9. Innovations



BATTERY ELECTRIC

ZERO TAILPIPE EMISSIONS



REDUCING GREENHOUSE GASES



PROTERRA



King County
METRO

Credit 3

Assemble exemplary diversity in project and design teams that help guide pro-equity development and build capacity among priority populations, consultants, and in-house staff

Non-traditional perspectives included

– up to 2 pts



Credit 5

Site, design, and construct to counter known disparities in conditions –
enhance access to determinants through project characteristics and development model

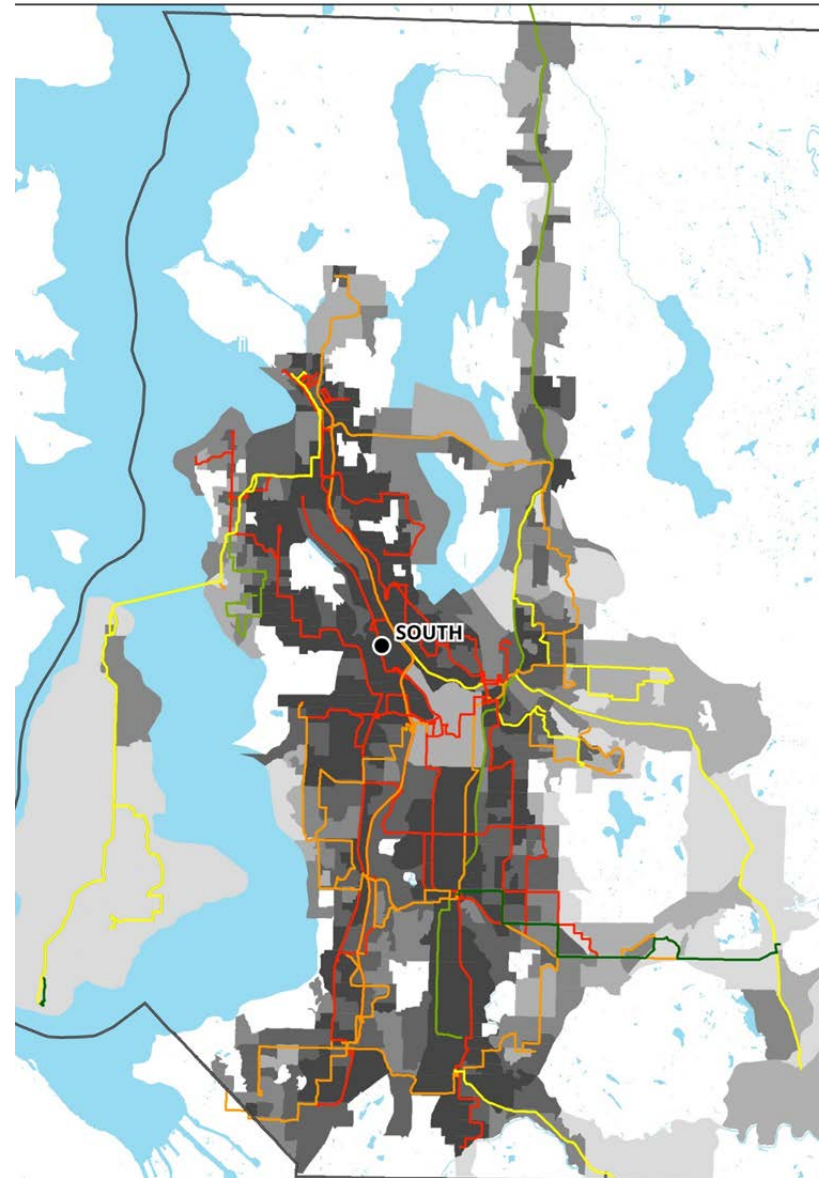
Demonstration of pro-equity effect

– up to 4 pts



Metro Transit – Zero Emission Battery Bus Deployment

As **Metro** planned to expand its fleet of emission-free battery buses, it conducted a quantitative equity impact review to identify the communities most vulnerable to air pollution. To address these historical health inequities, Metro will deploy buses at bases serving low-income and minority communities in South Seattle.



Metro Transit – Zero Emission Battery Bus Deployment

- County Council's direction for **Stakeholder Review Panel** with participants from groups focused on low-income communities, racial equity, public health, climate change, and public transit.
- Representatives from Puget Sound Sage, Got Green, Puget Sound Clean Air Agency, Transportation Choices Coalition, Climate Solutions, Puget Sound Energy, and the City of Kent met three times from October 2016 to January 2017 to provide input and feedback.



Thank you!

Questions ? ?

Credit 1

Develop a project-specific ESJ plan – based on assessment of ESJ conditions and information gathered on priorities of stakeholders and existing and/or potential users

Project-specific ESJ plan or substantive ESJ guidance is included in project charter

– up to 2 pts



Credit 2

Stakeholder partnering and collaboration –

Priority-population active participation in siting, design and/or programming, via community organization partnerships, multi-faceted outreach and approaches to equal involvement, and/or participatory budgeting.

Substantive priority and/or non-traditional perspectives included

– up to 2 pts



Credit 4

Conduct equity impact review (EIR) process – to inform likely equity and social justice effects of siting, design and/or construction alternatives

EIR is public and accessible

– up to 2 pts



Community engagement continuum



King County

| Levels of Community Engagement | | | | |
|--|--|--|--|--|
| We inform | We consult | We engage in dialogue | We and community work together | Community directs action |
| Characteristics of Engagement | | | | |
| <ul style="list-style-type: none"> Primarily one-way channel of communication One interaction Term-limited to event Addresses immediate need of county and community | <ul style="list-style-type: none"> Primarily one-way channel of communication One to multiple interactions Short to medium-term Shapes and informs county programs | <ul style="list-style-type: none"> Two-way channel of communication Multiple interactions Medium to long-term Advancement of solutions to complex problems | <ul style="list-style-type: none"> Two-way channel of communication Multiple interactions Medium to long-term Advancement of solutions to complex problems | <ul style="list-style-type: none"> Two-way channel of communication Multiple interactions Medium to long-term Advancement of solutions to complex problems |
| Strategies | | | | |
| Media releases, brochures, pamphlets, outreach to vulnerable populations, ethnic media contacts, translated information, staff outreach to residents, new and social media | Focus groups, interviews, community surveys | Forums, advisory boards, stakeholder involvement, coalitions, policy development and advocacy, including legislative briefings and testimony, workshops, community-wide events | Co-led community meetings, advisory boards, coalitions, and partnerships, policy development and advocacy, including legislative briefings and testimony | Community-led planning efforts, community-hosted forums, collaborative partnerships, coalitions, policy development and advocacy including legislative briefings and testimony |

Credit 6

Realize priority elements of project's ESJ plan – including process equity innovations, partnerships, and features driven by those with the greatest need

Validate plan accomplishments

– up to 4 pts



Credit 7

Advance economic justice via Priority Hire, Project Labor Agreement, SCS, SOAW, apprenticeships, and selecting contracts to advantage social just enterprises, and partner with companies and community-based organizations that advance economic justice

Gradient based on % beyond requirements

– up to 3 pts



Credit 7

14 DETERMINANTS OF EQUITY
THE CONDITIONS KING COUNTY HAS IDENTIFIED THAT EACH OF US NEED TO THRIVE

King County

- ACCESS TO AFFORDABLE, HEALTHY, LOCAL FOOD
- ACCESS TO HEALTH AND HUMAN SERVICES
- ACCESS TO PARKS AND NATURAL RESOURCES
- ACCESS TO SAFE AND EFFICIENT TRANSPORTATION
- AFFORDABLE, SAFE, QUALITY HOUSING
- COMMUNITY AND PUBLIC SAFETY
- EARLY CHILDHOOD DEVELOPMENT
- ECONOMIC DEVELOPMENT
- EQUITABLE LAW AND JUSTICE SYSTEM
- EQUITY IN COUNTY PRACTICES
- FAMILY WAGE JOBS AND JOB TRAINING
- HEALTHY BUILT AND NATURAL ENVIRONMENTS
- QUALITY EDUCATION
- STRONG, VIBRANT NEIGHBORHOODS

FLOURISHING COMMUNITIES ARE ROOTED IN THE DETERMINANTS OF EQUITY.

Credit 7

Workforce Requirements

| Requirements | Georgetown Project – Phase 3 |
|-------------------------------------|------------------------------|
| Apprentice Utilization | 15% |
| Apprentice – Preferred Entry | 1:5 |
| Priority Workers – Apprentice Level | 5% |
| Priority Workers – Journey Level | 12% |
| Aspirational Goals | |
| Apprentices | |
| People of Color | 21% |
| Women | 12% |

Credit 8

Pro-equity sourcing – select site and building materials, equipment, and systems which have pro-equity upstream and supply chain effects (e.g. local suppliers).

Based on % beyond requirements

– up to 3 pts



Credit 8 – Pro-equity sourcing

Forest Stewardship Council (FSC) certified wood



DPER Office
Commercial
Interior



Bow Lake Recycling and Transfer Station



Ryerson Transit Base Interior Retrofit

Credit 8 – Pro-equity sourcing



Credit 8 – Pro-equity sourcing

Red List free products

Declare.

No Scratch® Bike Racks
Sportworks Northwest, Inc.

Final Assembly: Woodinville, WA, USA
Life Expectancy: 25 Years
End of Life Options: Recyclable (99%), Landfill (1%)

Ingredients:

Mild Steel Tubing: Low Alloy Steel; Stainless Steel Tubing: Stainless Steel; Powder Coating: Triglycyl Isocyanurate; Mild Steel Flat Bar: Low Alloy Steel; Stainless Steel Flat Bar: Stainless Steel; Santoprene Rubber: 2-(2H-Benzotriazol-2YL)-4,6-Ditertpentylphenol

Living Building Challenge Criteria:

| | |
|---------------------------|---|
| SPW-1001 | EXP: 01 OCT 2018 |
| VOC Content: N/A | VOC Emissions: N/A |
| Declaration Status | <input checked="" type="checkbox"/> LBC Red List Free |
| | <input type="checkbox"/> LBC Compliant |
| | <input type="checkbox"/> Declared |

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ declareproducts.com

The Red List contains the worst in class materials prevalent in the building industry.

