



Briefing Prepared for: City Council Energy Committee
**LIGHTING DESIGN LAB AT SEATTLE CITY LIGHT
FUNDING ORDINANCE**

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THE LIGHTING DESIGN LAB

- 25 years in Pacific Northwest (initially a two year pilot funded by BPA)
- Beginner to advanced conservation lighting educational classes
- Consultations (onsite & in-field)
 - Trade allies, utility managers/analysts, engineers, architects/designers, ESCOs
- Unbiased, independent product assessments & criteria verification
- Partnerships with respected innovators and scholars
 - Evaluations & research support
- Facility
 - product demos throughout, large classroom, technical library, full-scale mockup room, and assembly shop
 - Outdoor roadway for on-site mockups and testing
- Diverse funding partners



LDL SERVICE AREA



LDL Service Area supports NEEA and its member utilities

TRAINING, WORKSHOPS & EVALUATION



Energy Code Workshops and Trade Shows



CLASSROOM



Product Evaluations

Some of LDL Collaborators

- Seattle Dept. Planning & Development
- University of Washington
- NW Energy Efficiency Council (NEEC)
- Electric League, Northwest
- Illuminating Engineering Society (IES)
- International Association Lighting Designers

IN ACTION - MOCKUPS



Full Scale Mockups

Mockup clients include such organizations as:

- Nordstrom
- Valley Medical Center
- University of Washington
- Starbucks
- Seattle Children's
- Restil Veterans' Home
- Snohomish Co. Jail
- SeaTac Airport
- Seattle City Light (streetlight)

GREAT PARTNERSHIPS



Street Light Safety Perception Study – **Lighting Research Center**



Sports Lighting – **PlanLED**



Street Light Testing – **South Seattle Community College**

DIVERSE FUNDERS



FUNDING ORDINANCE

- Seeking on-going authority to accept revenue and funding source agreements, which shall include without limitation, grants, sponsorships, cooperating agreements, financial assistance instruments, and service contracts, in order to facilitate, promote, and support the LDL

CURRENT FUNDING

- City Light Annual Operating Budget: \$1,445,086
- Pending funding agreements to be accepted or ratified per this Ordinance:
 - ❑ NEEA: \$819,012
 - ❑ Puget Sound Energy: \$40,000
 - ❑ Energy Trust of Oregon: \$30,000
 - ❑ Bonneville Power Administration: \$30,000
 - ❑ Tacoma Power: \$10,000
 - ❑ Idaho Power: \$10,000
 - ❑ Portland General Electric: \$1,000
 - ❑ State of Alaska: TBD
 - ❑ Washington State University: TBD
 - ❑ BC Hydro: TBD

NEEA TRAINING PROGRAM OBJECTIVES

1. The Lighting Design Lab will develop NEEA's new regional commercial lighting training program

Top Tier Trade Ally Training Program (TTTA)

- Develop training curriculum targeted at utility trade allies using *adult learning* techniques
 - Teach advanced lighting and controls techniques
 - Focus on deeper retrofits through education and training
2. Create differentiation and accreditation system for contractors*
 3. Proof program through two pilots in the Northwest (urban and rural communities)

*Can be used as a preferred contractor list managed by NEEA.

LDL PARTNERS FOR NEEA TTTA TRAINING PROGRAM



Lighting
Research Center

INTEGRATED  DESIGN LAB



Rensselaer



THANK YOU!

QUESTIONS...



CITY LIGHT

OUR VISION

To set the standard—to deliver the best customer service experience of any utility in the nation.

OUR MISSION

Seattle City Light is dedicated to exceeding our customers' expectations in producing and delivering environmentally responsible, safe, low-cost and reliable power.

OUR VALUES

Excellence, Accountability, Trust and Stewardship.

