

## WHAT IS THE CHALLENGE?

The Eastside is growing faster than any other region in Washington. Communities and businesses have grown and prospered, and this good fortune is straining the Eastside's electric transmission system.

As soon as 2017, demand for electricity on the Eastside will exceed the existing system's capacity. The lights won't go out – but without upgrades, the possibility of outages will increase for as many as 60,000 customers.

## PROCESS TO IDENTIFY A SOLUTION AND ROUTE OPTIONS

# 1

### WHAT ARE THE POTENTIAL APPROACHES TO MEET THE EASTSIDE'S ELECTRICITY NEEDS?

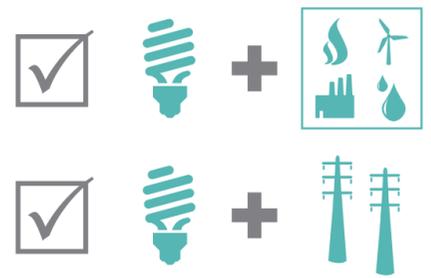
PSE evaluated the potential of several approaches – conservation, local generation and new infrastructure – to meet the Eastside's electricity needs.



# 2

### WHAT APPROACHES PROVIDE ENOUGH ELECTRICITY TO MEET THE EASTSIDE'S NEEDS?

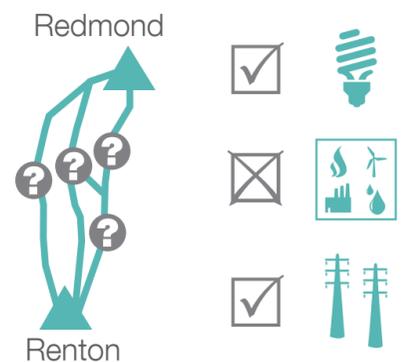
Engineers reviewed alternatives to each approach, and found that only local generation or new infrastructure located near the center of high electricity demand could meet the Eastside's needs. This includes meeting PSE's already significant conservation goals for the Eastside.



# 3

### WHAT SOLUTIONS BEST DELIVER ELECTRICITY TO THE EASTSIDE?

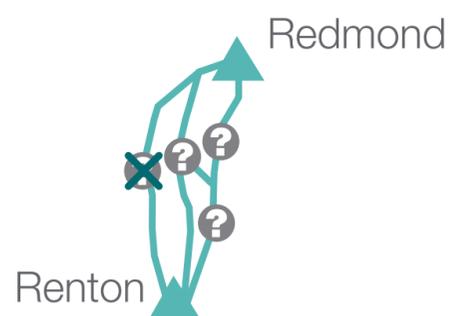
Engineers reviewed different generation and electric infrastructure alternatives based on system performance, flexibility and longevity. Generation was eliminated. New infrastructure that connects substations in Redmond and Renton to a new substation in the center of high electricity demand was identified as the best solution to meet the Eastside's electricity needs.



# 4

### WHAT SOLUTIONS CAN PSE MOVE FORWARD WITH?

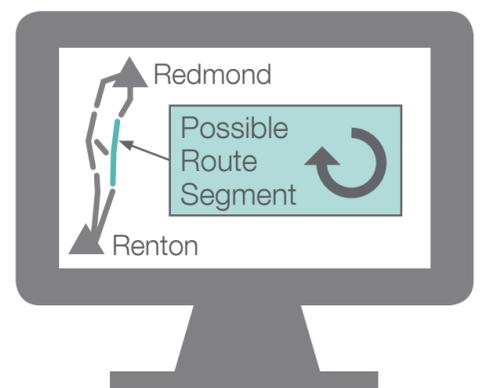
PSE eliminated a Seattle City Light Corridor and a potential Bellevue substation site as possible new infrastructure locations. Neither property is owned by PSE and other viable sites for new infrastructure are available.



# 5

### WHERE COULD PSE BUILD A SOLUTION?

Engineers used a computer-based modeling tool to analyze key criteria like geographic barriers, land uses and impacts to the environment. Based on this analysis, route segments were identified that can be combined into various complete route options that connect to potential substations.



# 6

### WHAT DOES THE PUBLIC THINK?

PSE will ask the public to provide input on the combination of route segments that best serves the Eastside's needs. A robust public process will include a Community Advisory Group (CAG), seeking input through drop-in sessions, community meetings at key milestones and a project website.



# ONE SELECTED ROUTE

After collecting feedback from the public, CAG and other stakeholders, PSE will further evaluate requirements and constraints and select the preferred route and substation to move forward for final design, environmental review and permitting.