Energize Eastside

Central Sub-Area Workshop #2

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Facilitator, EnviroIssues

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April 23, 2014

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Agenda

- Project overview
- Recap of public process
- What was heard in workshop #1
- Data presentation
- Clarifying questions on data presented
- Individual evaluation of segments
- Group evaluation of segments
- Message to the Sub-Area Committee

Energize Eastside overview

- Growth is straining our region's existing transmission system
- Conservation alone is not enough
- We need to act now
- We will work with the community to identify solutions

Energize Eastside will build new electric transmission infrastructure to ensure dependable power

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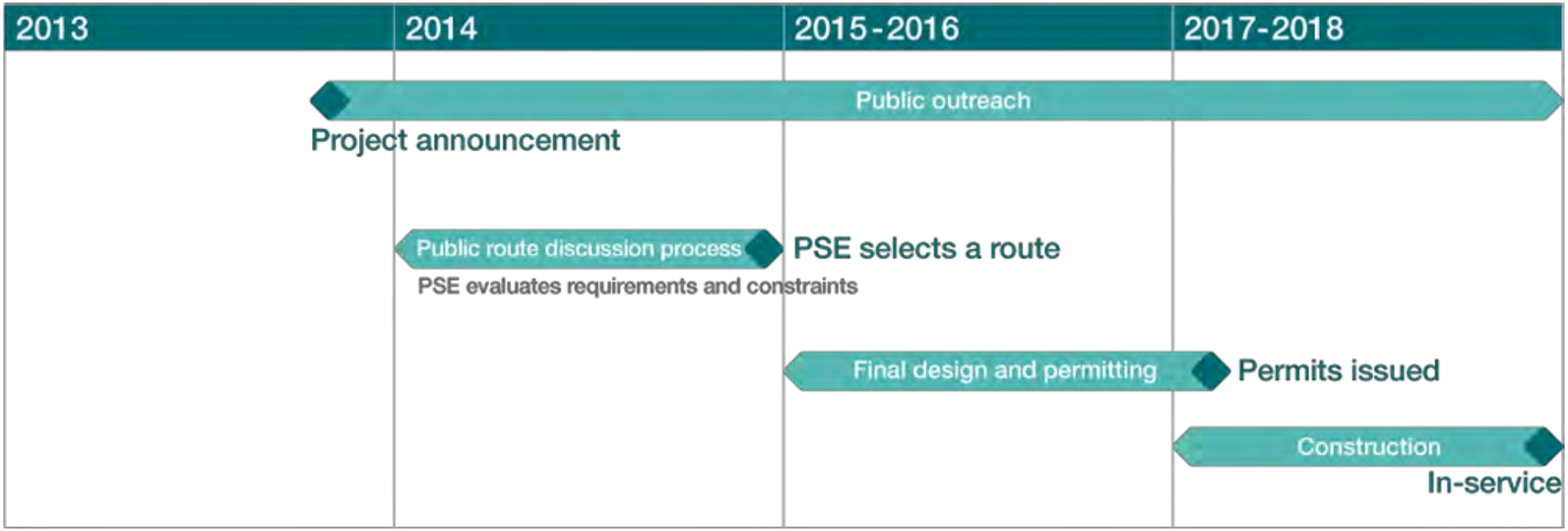
Project schedule



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Opportunities for public involvement

Community Advisory Group | Meetings | Other Opportunities

Workshop #1: Examine route segments and identify evaluation factors

Workshop #2: Score each segment

Sub-Area Committee Meeting: Committee reviews outcomes and develops findings for advisory group

WINTER			FALL
1 Education	**2** Ide… or…	… route	**4** Recommended route
Learn about electric system and project need (COMPLETED)	Develop sub-area segment input for full Community Advisory Group discussion	options	…ommunity Meeting #3 Feedback on Community Advisory Group recommended route
Community Meeting #1 Feedback on project need, potential segments and route selection process (COMPLETED)	• Discu… conc… • D…	…ommunity …ity values …cess …ons to …d route	• Discuss community concerns • Consider public input and validate recommended route and provide route recommendation to PSE for consideration
• Discuss community concerns • Learn about the factors involved in developing the route segments (COMPLETED) • Bus tour of project area			

Neighborhood and community group briefings, fairs and festivals, public kiosks, online surveys

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Sub-area meeting series

- Workshop #1 – Public examines route segments and identify factors to evaluate segments
- **Workshop #2 – Public scores each segment based on factors discussed in workshop #1**
- Sub-Area Committee Meeting – Sub-Area Committee members review the public's work from workshop #1 and #2 and develop findings for Community Advisory Group, while the public observes.

Workshop #2 purpose and goals

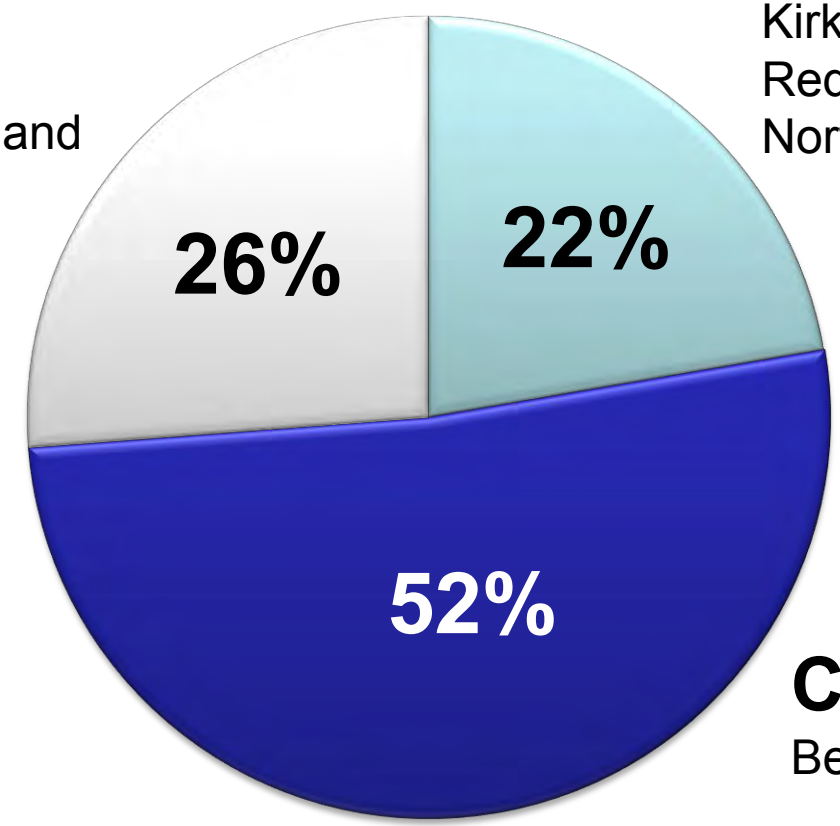
- Review information gathered at workshop #1
- Review data provided by PSE
- Use evaluation factors developed from workshop #1 to individually score the route segments

How we received feedback

- Central Sub-Area Workshop #1
- Online survey

Survey results

What sub-area are you?



South
Newcastle and Renton

North
Kirkland, Redmond and North Bellevue

Central
Bellevue

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Key issues results

For the potential route segments in the central sub-area, what key issues should the Sub-Area Committee consider?

Issue	Survey total	Workshop total	Cumulative total
Property values	34	103	137
Visual impacts	39	82	121
Residential impacts	30	78	108
Electromagnetic fields (EMF)	25	61	86
Aesthetics	19	65	84
Community character	14	55	69

Segment D

Specific information identified:

- Evergreen Court retirement home at corner of NE 8th and 124th Ave NE
- Wilburton neighborhood already has several existing utility corridors (including Seattle City Light)

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Segment E

Specific information identified:

- Very steep slopes into Kelsey Creek Park from the Olympic Pipeline Trail
- Sunset Community Association has worked to improve the areas along the "pipeline trail," including Sunset Park, Skyridge Park and other trail improvements

Segment F

Specific information identified:

- Lines will affect the territorial view from Bellevue Botanical Garden's planned sun terrace garden at 118th, east of Main
- L.B. Nature Park close to 118th Ave SE

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Segment G1 and G2

Specific information identified:

- If trees are cleared, Woodridge loses its protective natural buffer from air, noise and visual pollution
- Several historic homes in Norwood Village

Segment H

Specific information identified:

- Follows the old railroad ROW, impacting Newport Shores, the Slough Environmental Station and a large group of apartments and residences
- Area surrounded by city, but feels “in the country”

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Segment I

Specific information identified:

- There is a beautiful 30 acre green space associated with Holy Cross Lutheran church on the corner of Factoria Blvd and Newport Way
- Many different users, including residents, shoppers and workers

Segment J

Specific information identified:

- Somerset is a “view neighborhood”
- Covenant in the area require preservation of views
- Somerset Recreation Club at SE 44th St and Somerset Blvd SE is a gathering place and has an outdoor pool
- Many schools nearby

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Segment K1 and K2

Specific information identified:

- Western portion of this segment would go through very expensive recently developed lake view property
- Recreation areas include pipeline path, Newport Hills Tennis Club and a pocket park

What we heard in workshop #1

- *What segments contain fewer residences?*
- *Safety concerns with transmission lines and pipeline*
- *Community values schools and recreation facilities*
- *Preserve streams, wetlands, wildlife*
- *Use existing right-of-way*
- *Number of views impacted*

Evaluation factors

- Least proximity to residential areas

  (number of residences, community character, noise)

- Most protective of health and safety

  (EMF, fault lines, Olympic Pipeline)

- Least proximity to sensitive community land use areas

  (parks, recreational areas, recreation clubs, schools, registered historic sites)

Evaluation factors

- Least proximity to sensitive environmental areas

  (Steep slopes, stream crossings, slope stability)

- Maximizes opportunity areas

  (existing utility corridors, public right-of-way vs. private right-of-way)

- Least effects on aesthetics

  (pole design, visual impacts)

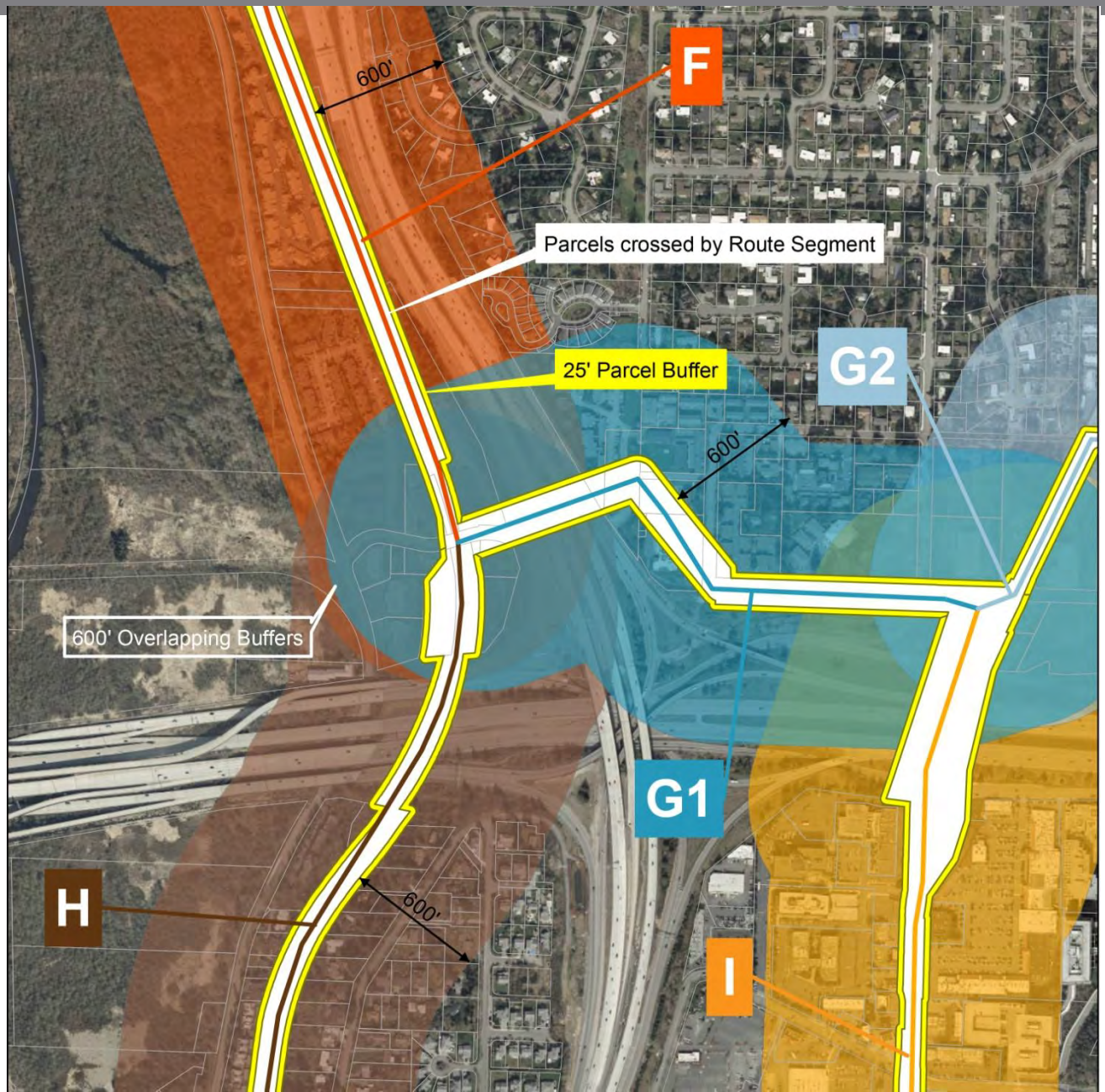
Key themes and evaluation factors

What we heard	Evaluation factors
What segments contain fewer residences?	Least proximity to residential areas
Safety concerns with transmission lines and pipeline	Most protective of health and safety
Community values schools and recreation facilities	Least proximity to sensitive community land use areas
Preserve streams, wetlands, wildlife	Least proximity to sensitive environmental areas
Use existing right-of-way	Maximizes opportunity areas
Number of views impacted	Least effect on aesthetics

Segment information

- Data tables
- Visual conditions and graphic representations
- Clarifying questions

Buffers


600'
F
Parcels crossed by Route Segment
25' Parcel Buffer
G2
600'
600' Overlapping Buffers
G1
H
600'
I

Buffers


25' Parcel Buffer
600' Overlapping Buffer
Parcels crossed by Route Segment
H
600'

Scoring sheet

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Central Sub-Area Workshop #2
Segment Scoring Sheet

4/23/2014

Instructions: Please score each of the segments in the Central Sub-Area for using the evaluation factors below. These evaluation factors were developed during small group discussions at Workshop #1.

Scoring Key
5 points = Best meets the factor (i.e., the segment with the least potential impacts to land uses; the segment most protective of health and safety)
4 points = Meets the factor
3 points = Mostly meets the factor
2 points = Mostly does not meet the factor
1 point = Does not meet the factor at all (i.e., the segment with most potential impacts to land uses; the segment least protective of health and safety)

Evaluation factors	Segment D	Segment E	Segment F	Segment G1	Segment G2	Segment H	Segment I	Segment J	Segment K1	Segment K2
Factor one: Least proximity to residential areas (number of residences, community character, noise)										
Factor two: Maximizes opportunity areas (existing utility corridors, public right-of-way, etc.)										
Factor three: Most protective of health and safety (EMF, fault lines, Olympic Pipeline, etc.)										
Factor four: Least proximity to sensitive community land use areas (parks, recreational areas, recreation clubs, schools, registered historic sites, etc.)										
Factor five: Least proximity to sensitive environmental areas (steep slopes, stream crossings, slope stability, etc.)										
Factor six: Least effects on aesthetics (pole design; see graphic representations)										

Visual assessment

The information you see represented in the following graphics are conceptual, and may change pending public, agency and engineering review.

Visual assessment

- Two Graphic Sets

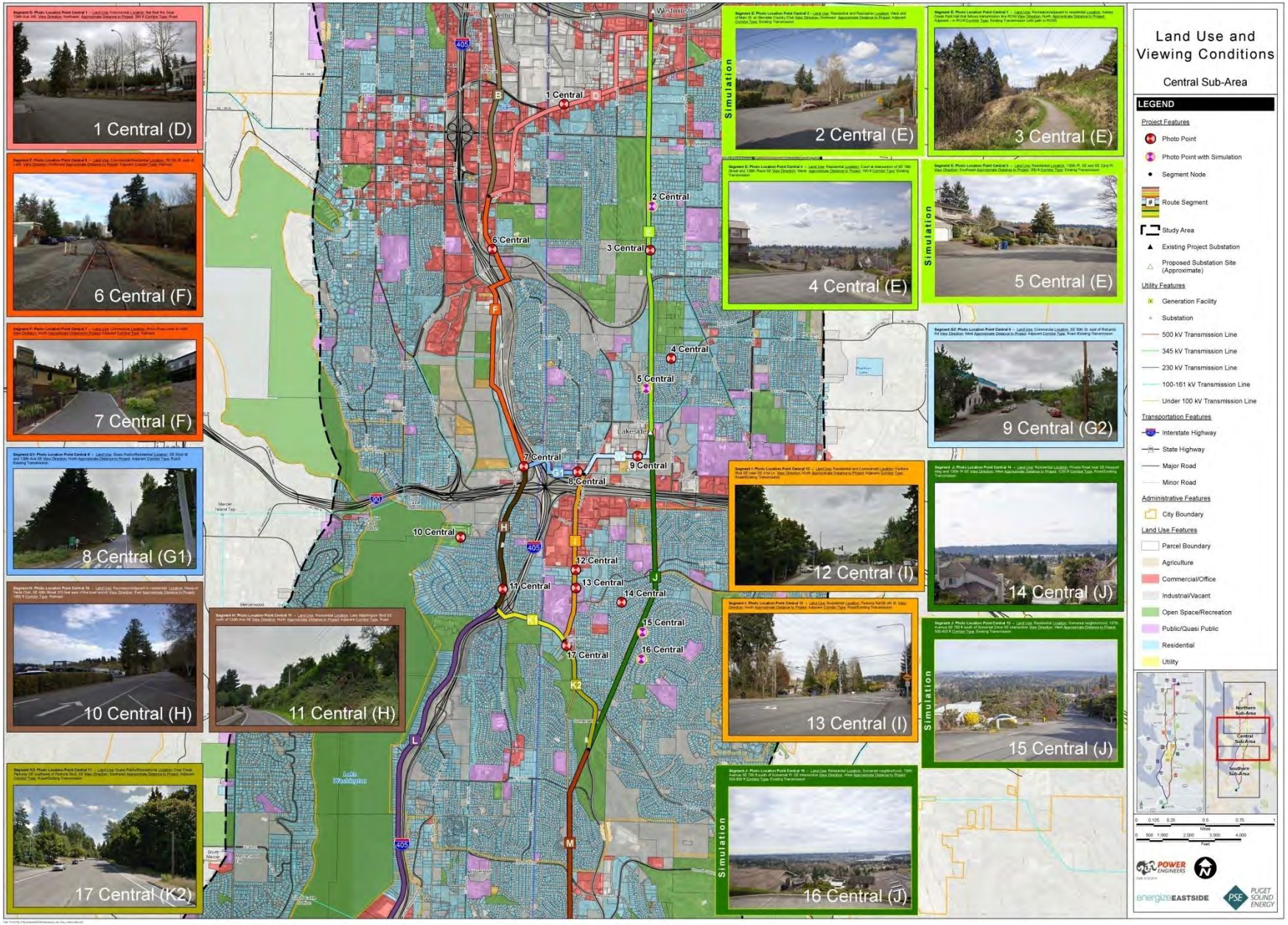
  1) Land Use and Existing Visual Conditions (Large map and at tables)

  2) Graphic Representations (at tables)

     - Photo Simulations

     - 3-D Design Option Corridor Graphics

Land Use Maps



Land Use Photos

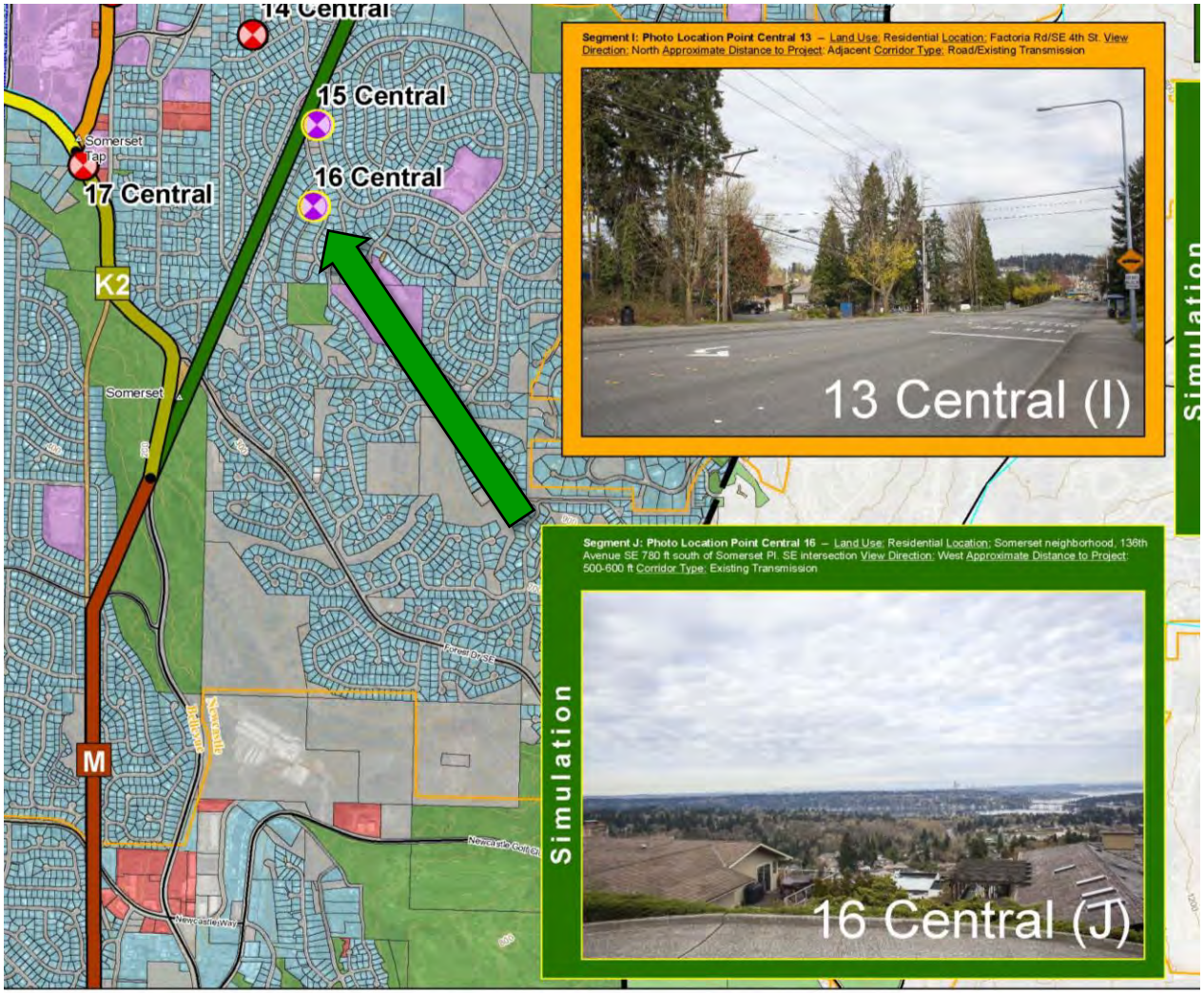


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Photo Simulation Examples

Address	136th Ave NE
Date	4/9/2014
Time	1:08 PM
Viewing Direction	North
Structure	G2-5 Short Span

KOP CENTRAL 2
SEGMENT E

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Existing Conditions

Conceptual Project

Pole Design Type

Key Observation Point Name

Segment ID

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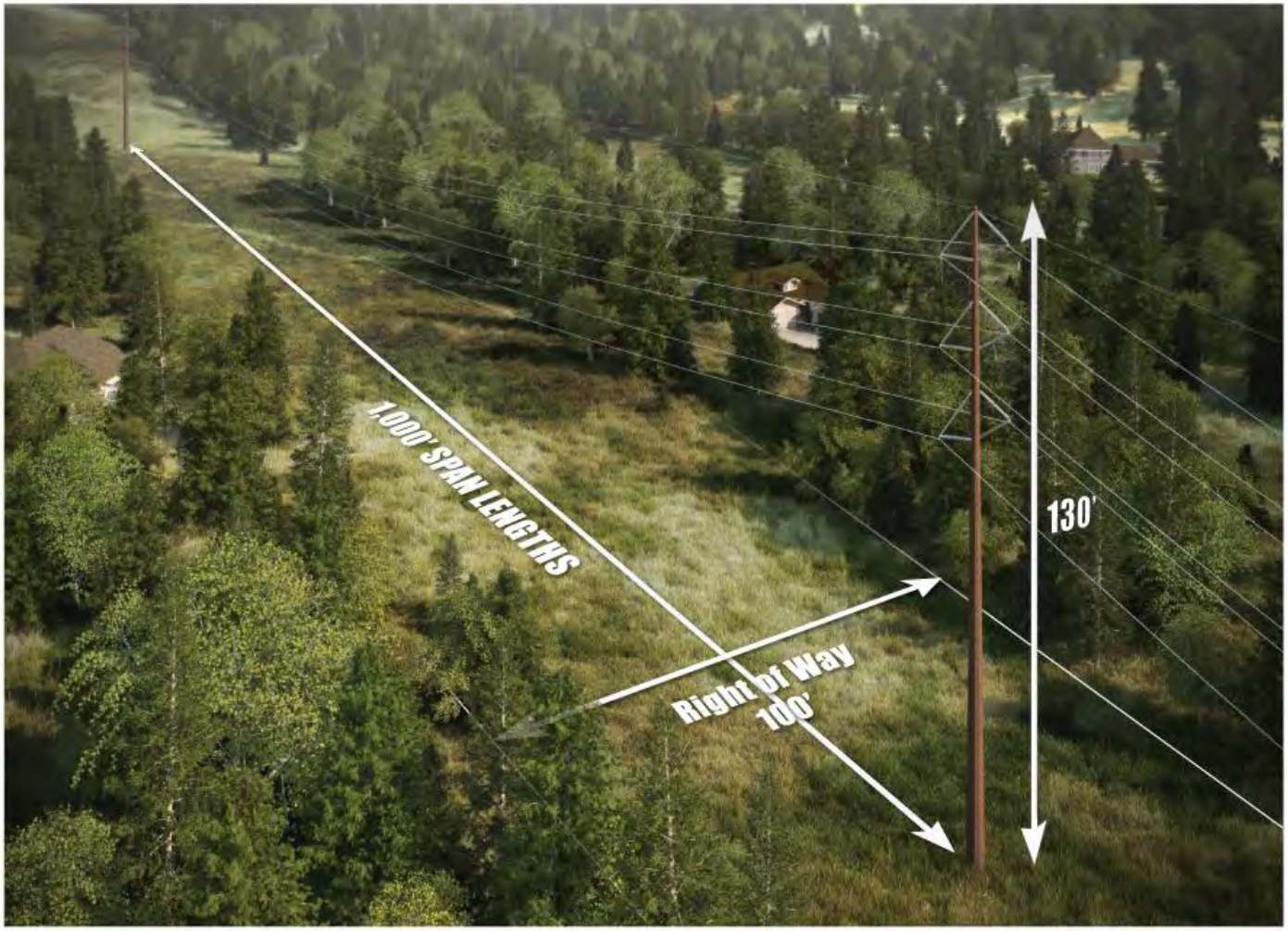
Pole Design Characteristics



POLE TYPE

G2-5

- Height: 130'
- Right of Way: 100'
- Span Lengths: 1,000'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Pole Design Characteristics

POLE TYPE

G2-6

- Height: 95'
- Right of Way: 100'
- Span Lengths: 500'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Photo Simulation Examples

West End of Main St. at the Glendale Country Club

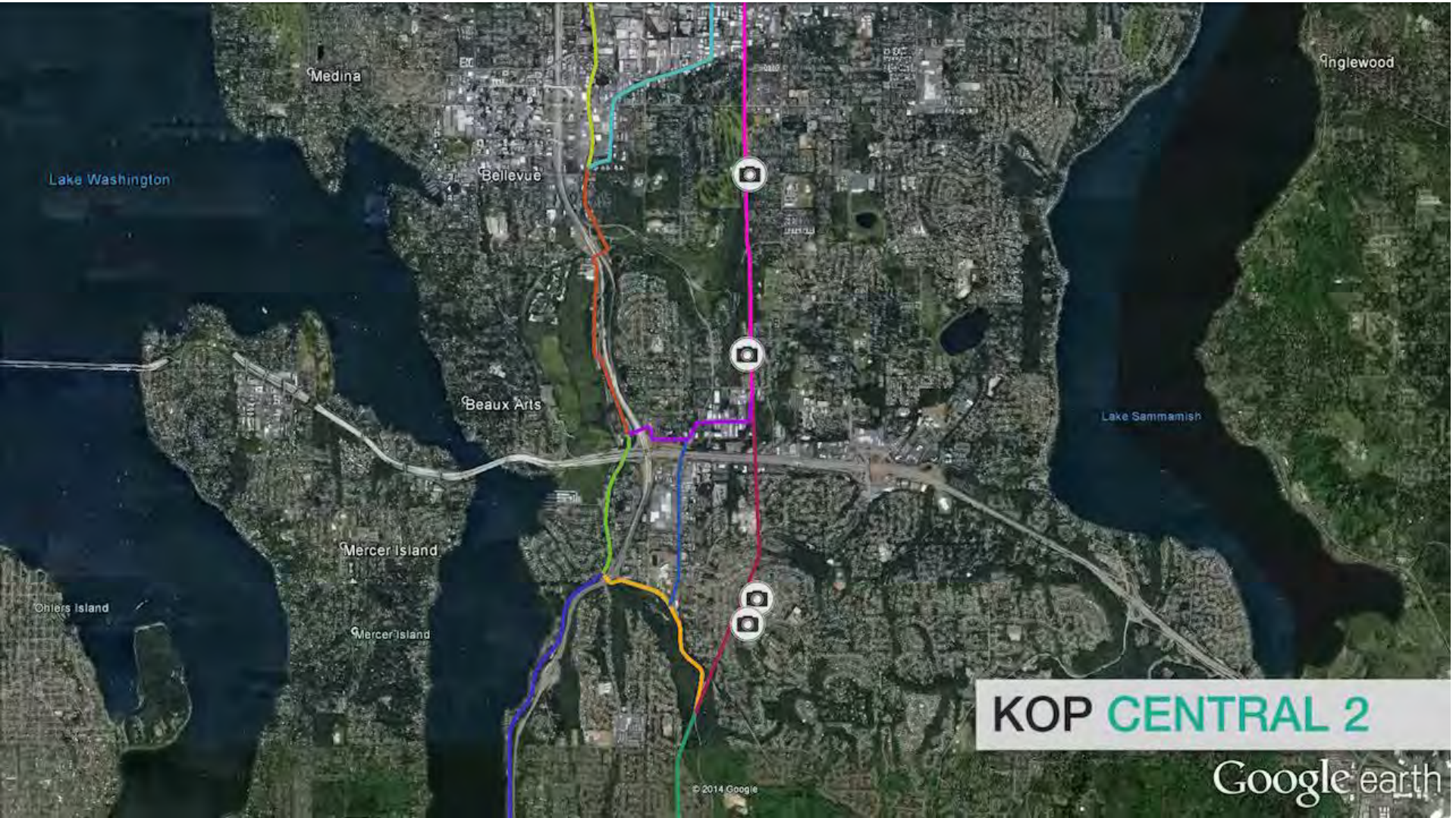


Photo Simulations

Existing Conditions – KOP Central 2

West End of Main St. at the Glendale Country Club

Photo Simulations are for discussion purposes only and may change pending public, regulatory and utility review.

Photo Simulations

Conceptual Project– KOP Central 2 (Structure G2-5 Long Span)

West End of Main St. at the Glendale Country Club

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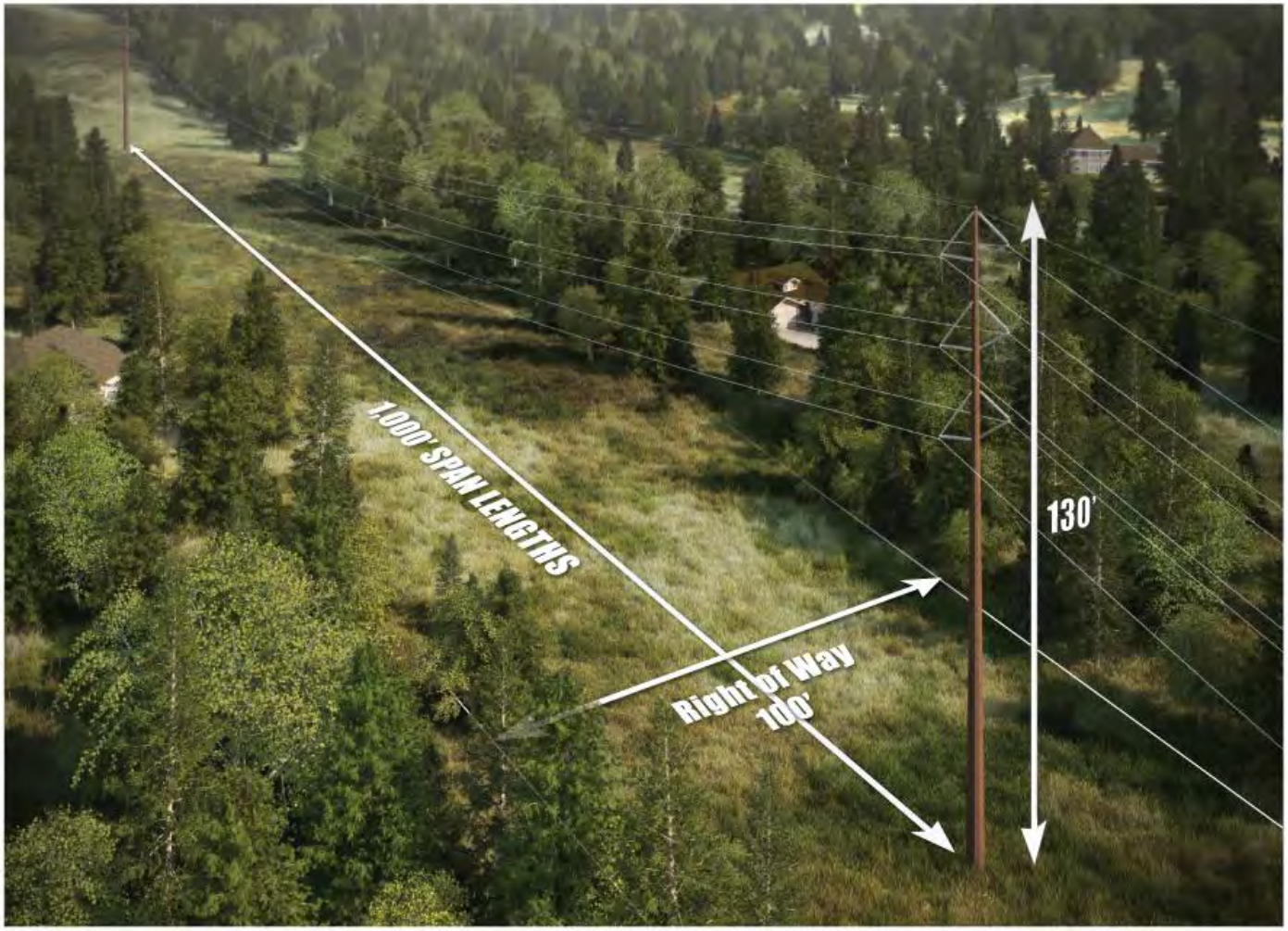
Pole Design Characteristics



POLE TYPE

G2-5

- Height: 130'
- Right of Way: 100'
- Span Lengths: 1,000'

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Photo Simulations

Existing Conditions – KOP Central 2

West End of Main St. at the Glendale Country Club

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Photo Simulations

Conceptual Project – KOP Central 2 (Structure G2-5 Short Span)

West End of Main St. at the Glendale Country Club

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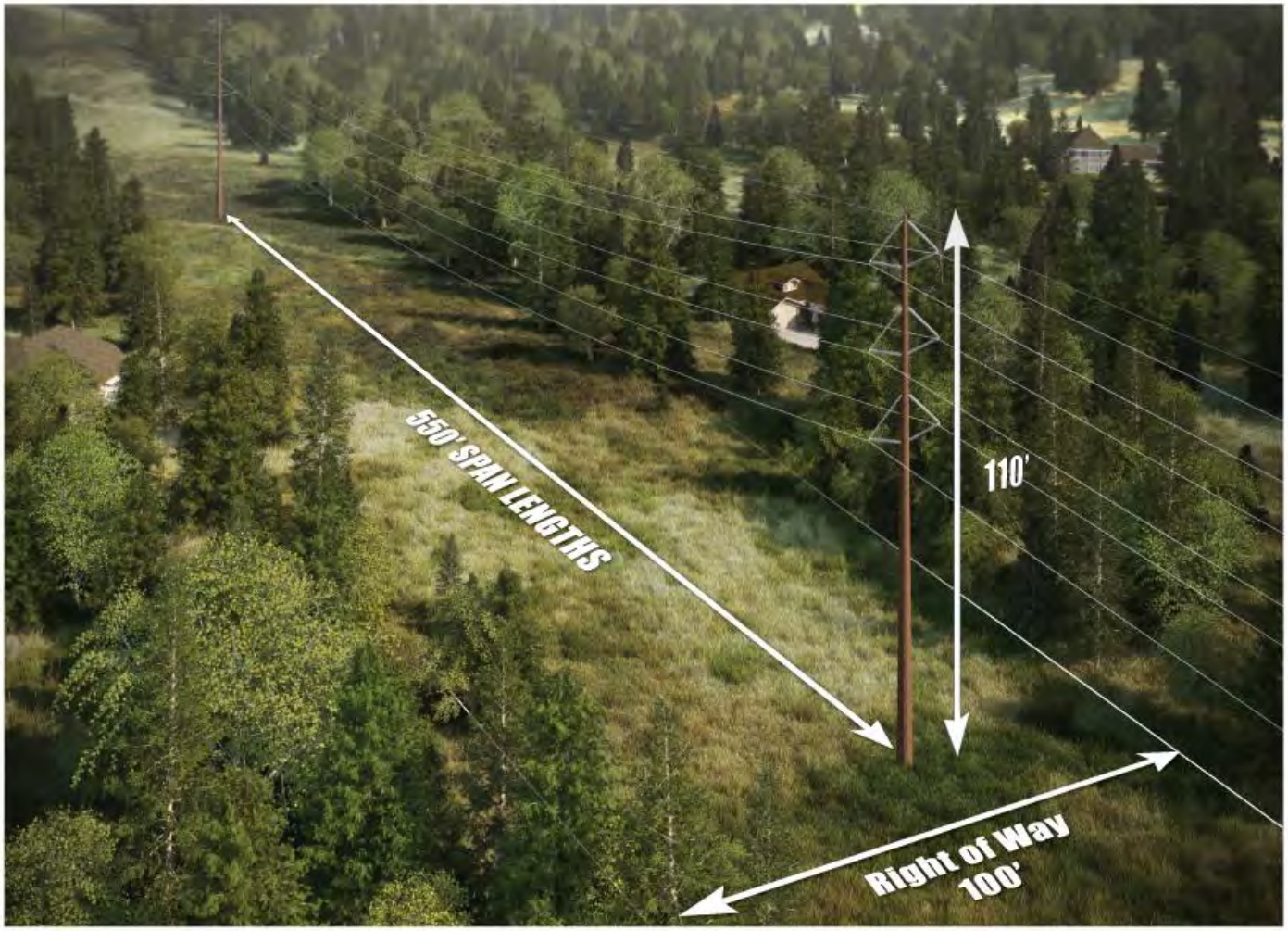
Pole Design Characteristics



POLE TYPE

G2-5

- Height: 110'
- Right of Way: 100'
- Span Lengths: 550'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Photo Simulation Examples

135 Place & SE 22nd Place

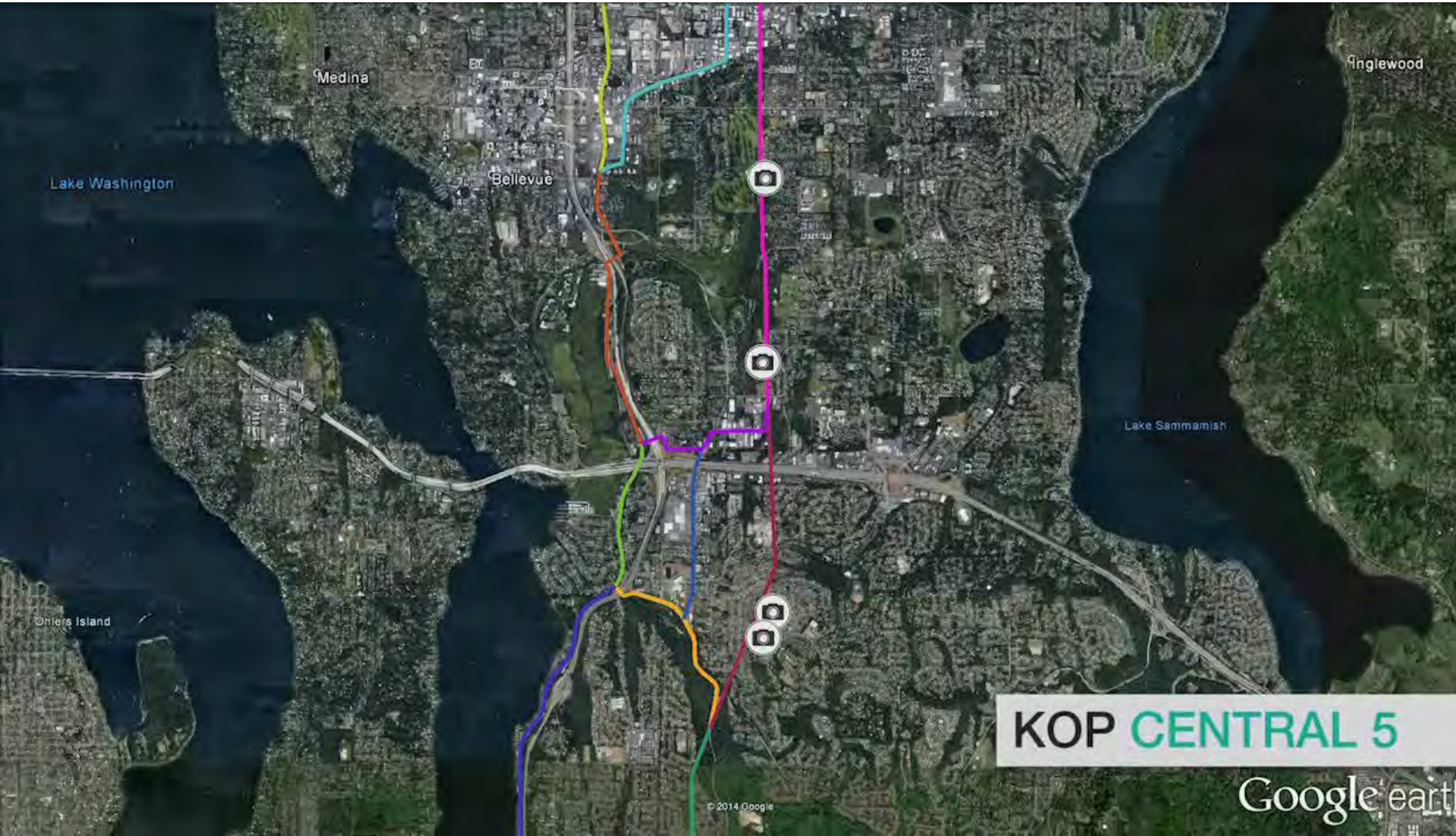


Photo Simulations

Existing Conditions – KOP Central 5

135 Pl SE & SE 22nd Pl

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Photo Simulations

Conceptual Project– KOP Central 5 (Structure G2-1)

135 Pl SE & SE 22nd Pl

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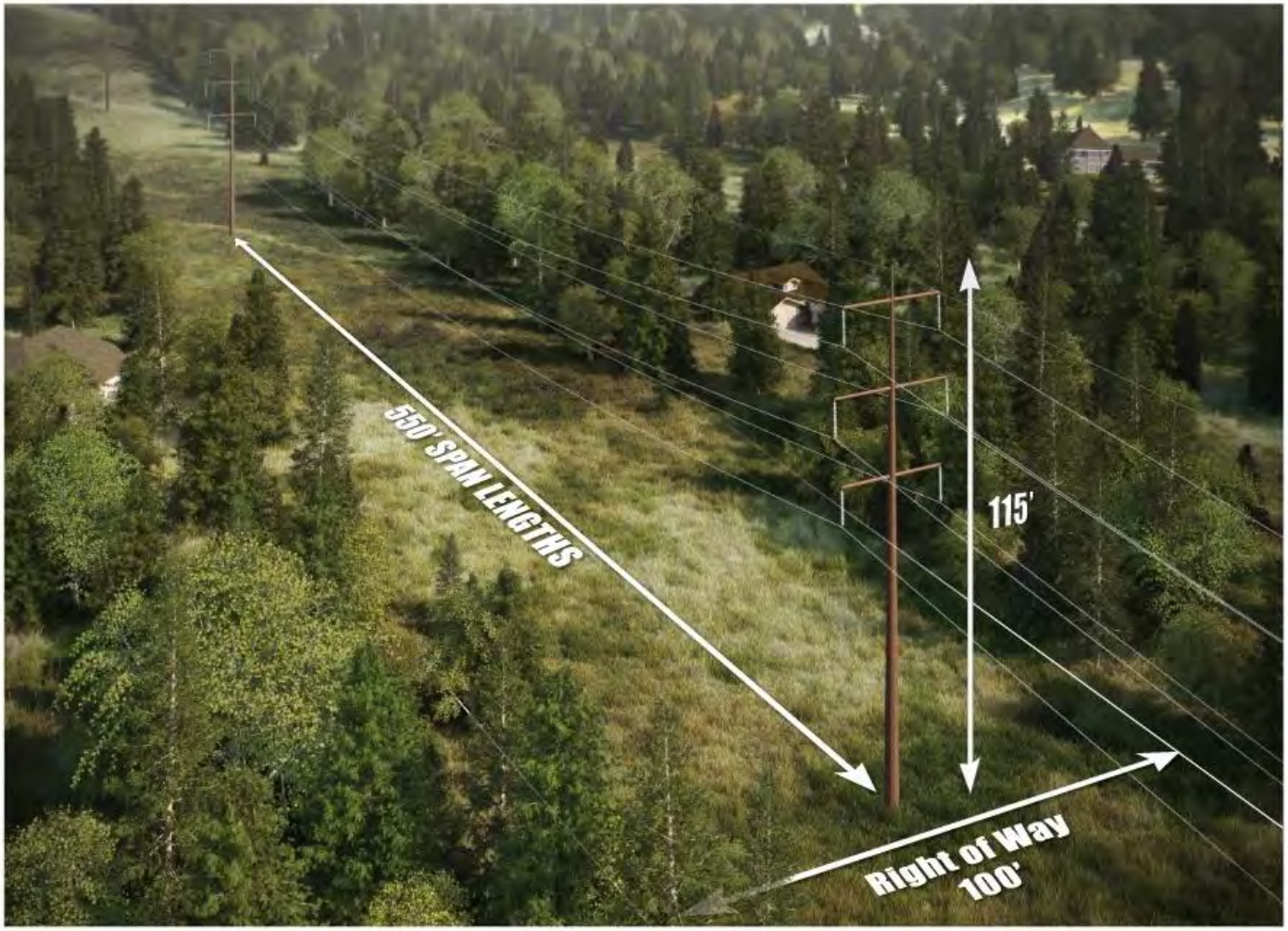
Pole Design Characteristics



POLE TYPE

G2-1

- Height: 115'
- Right of Way: 100'
- Span Lengths: 550'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Photo Simulations

Existing Conditions – KOP Central 5

135 Pl SE & SE 22nd Pl

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Photo Simulations

Conceptual Project– KOP Central 5 (Structure G2-5 long)

135 Pl SE & SE 22nd Pl

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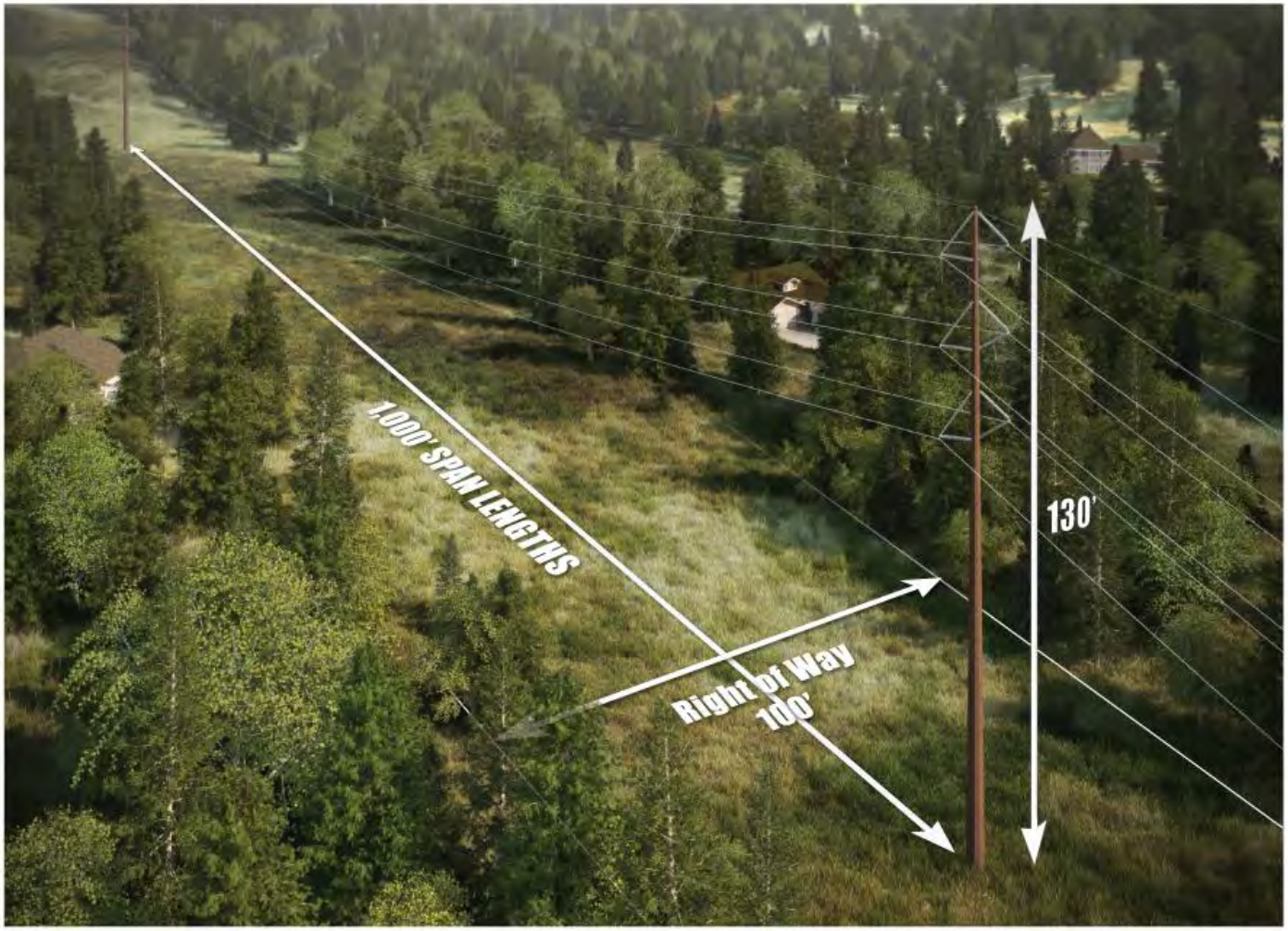
Pole Design Characteristics



POLE TYPE

G2-5

- Height: 130'
- Right of Way: 100'
- Span Lengths: 1,000'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Photo Simulation Examples

Somerset Neighborhood, 137th Ave SE & Somerset Drive Intersection

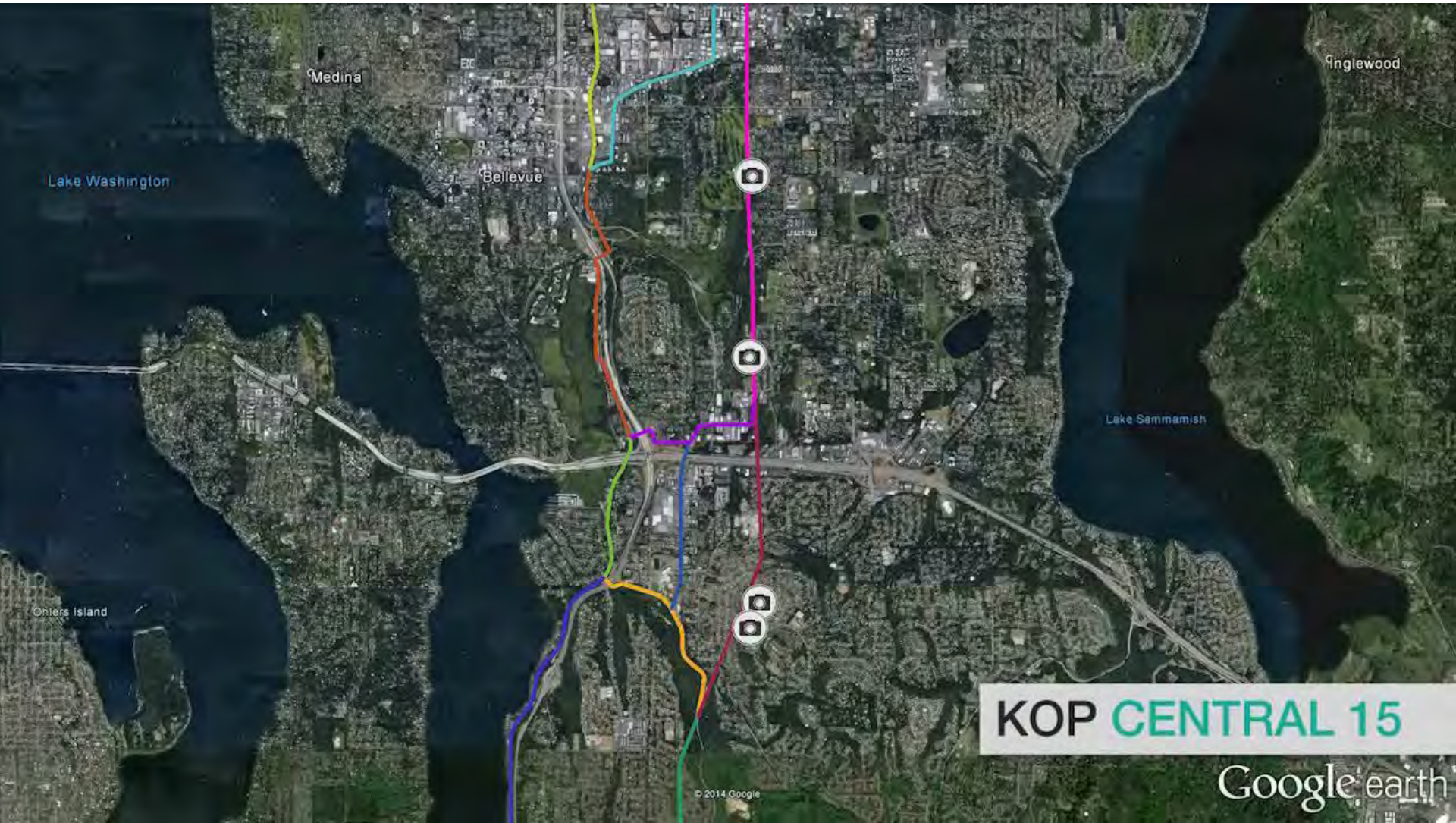


Photo Simulations

Existing Conditions – KOP Central 15

Somerset Neighborhood, 137th Ave SE & near Somerset Drive

Photo Simulations are for discussion purposes only and may change pending public, regulatory and utility review.

Photo Simulations

Conceptual Project– KOP Central 15 (Structure G2-9)

Somerset Neighborhood, 137th Ave SE & near Somerset Drive

Photo Simulations are for discussion purposes only and may change pending public, regulatory and utility review.

Pole Design Characteristics

POLE TYPE

G2-9

- Height: 110'
- Right of Way: 100'
- Span Lengths: 550'

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Photo Simulations

Existing Conditions – KOP Central 15

Somerset Neighborhood, 137th Ave SE & near Somerset Drive

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Photo Simulations

Conceptual Project– KOP Central 15 (Pole G2-10)

Somerset Neighborhood, 137th Ave SE & near Somerset Drive

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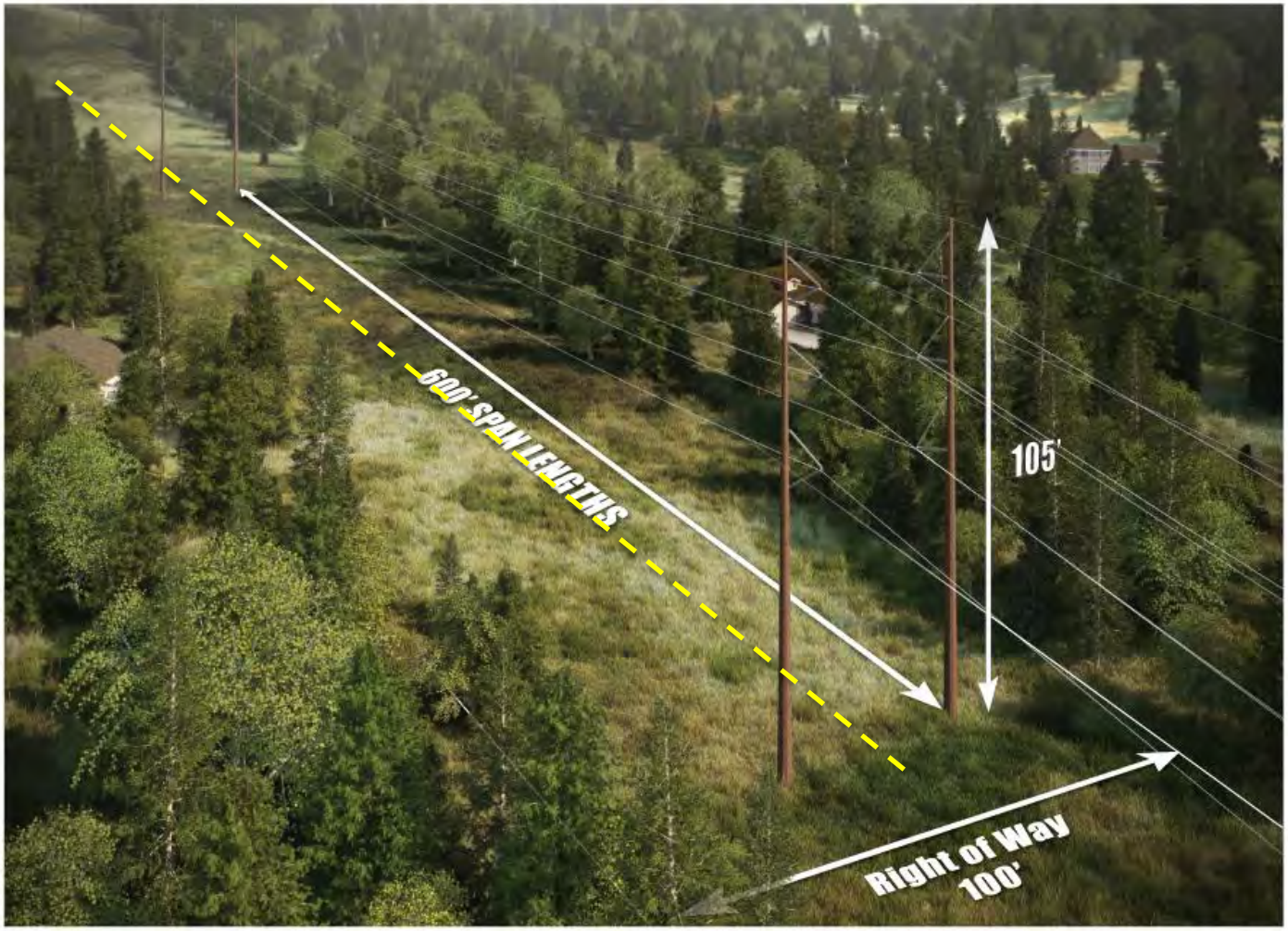
Pole Design Characteristics



POLE TYPE

G2-10

- Height: 105'
- Right of Way: 100'
- Span Lengths: 600'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Photo Simulation Examples

Somerset Neighborhood, 136th Ave SE & Somerset Place Intersection

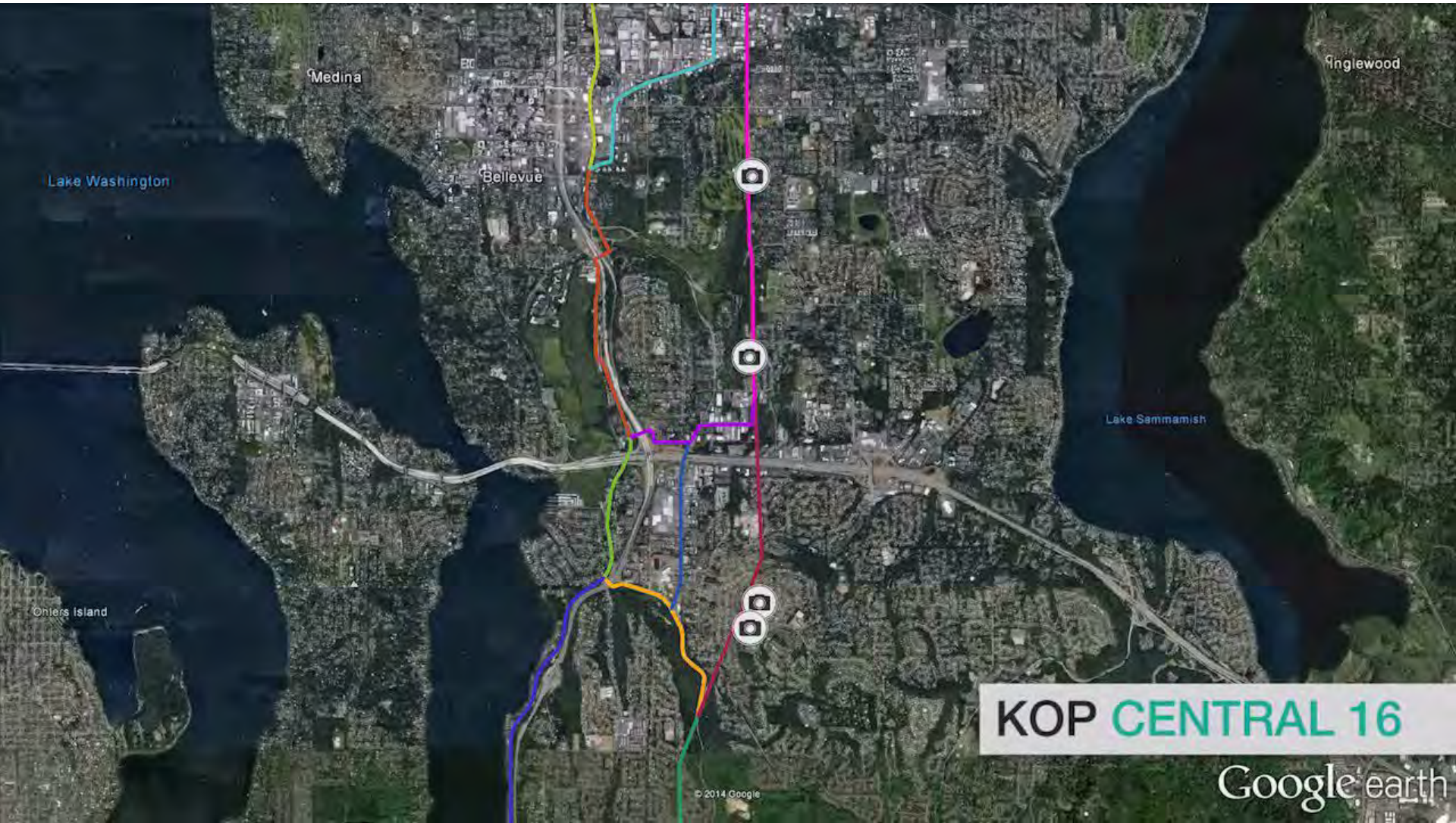


Photo Simulations

Existing Conditions – KOP Central 16

Somerset Neighborhood, 136th Ave SE, Near Somerset Pl. Intersection

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Photo Simulations

Conceptual Project – KOP Central 16

Somerset Neighborhood, 136th Ave SE, Near Somerset Pl. Intersection

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Photo Simulations

Existing Conditions – KOP Central 16

Somerset Neighborhood, 136th Ave SE, Near Somerset Pl. Intersection

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Photo Simulations

Conceptual Project – KOP Central 16

Somerset Neighborhood, 136th Ave SE, Near Somerset Pl. Intersection

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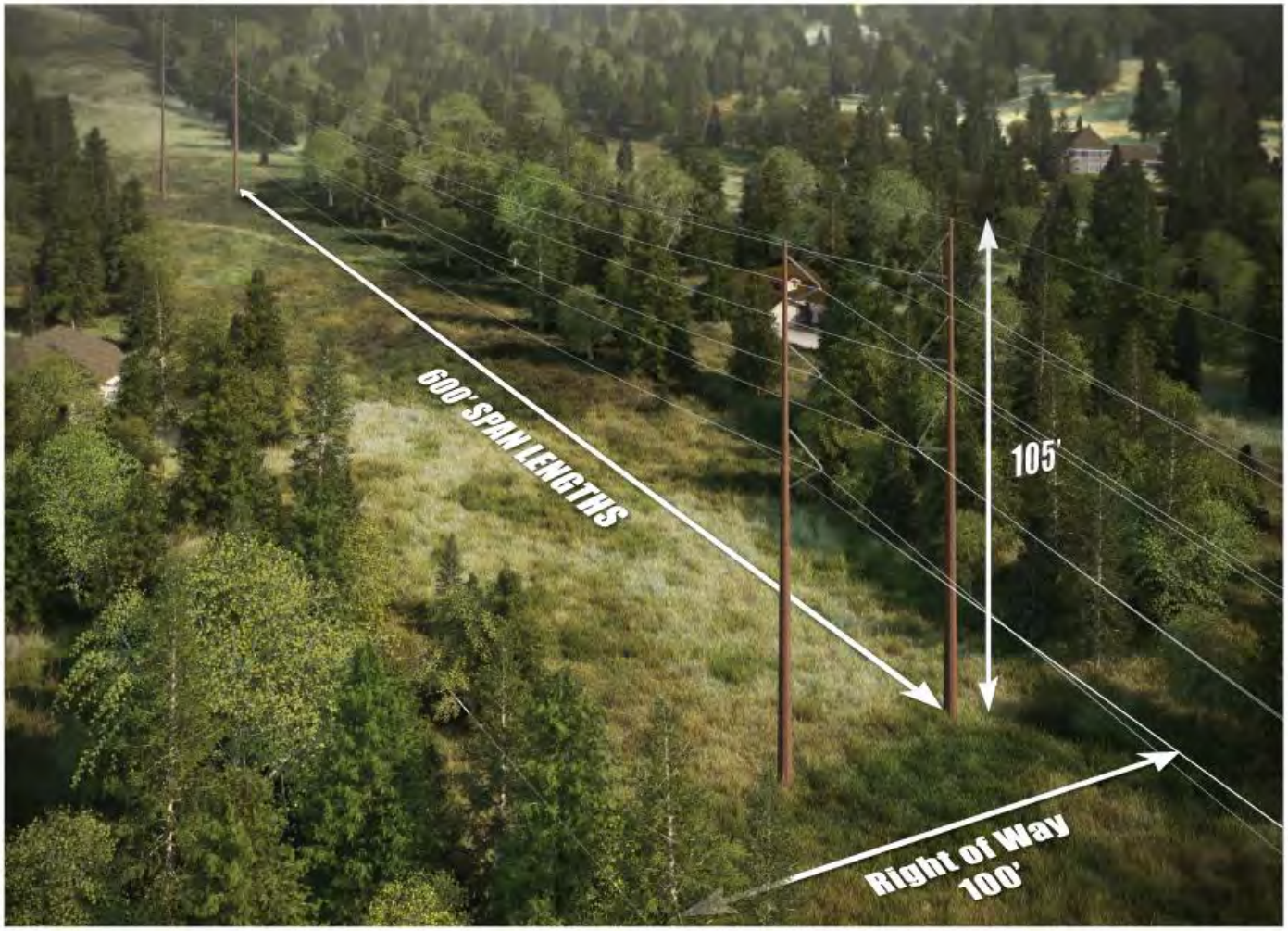
Pole Design Characteristics



POLE TYPE

G2-10

- Height: 105'
- Right of Way: 100'
- Span Lengths: 600'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Questions

- Clarifying questions about the information you just heard

Scoring the route segments

- Score all segments in the central sub-area
- Use a ranking of 1 to 5
  - 5 points = Best meets
  - 4 points = Meets
  - 3 points = Mostly meets
  - 2 points = Mostly does not meet
  - 1 point = Does not meet at all
- Consider all the information provided

Scoring sheet

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Central Sub-Area Workshop #2
Segment Scoring Sheet

4/23/2014

Instructions: Please score each of the segments in the Central Sub-Area for using the evaluation factors below. These evaluation factors were developed during small group discussions at Workshop #1.

Scoring Key
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Evaluation factors	Segment D	Segment E	Segment F	Segment G1	Segment G2	Segment H	Segment I	Segment J	Segment K1	Segment K2
Factor one: Least proximity to residential areas (number of residences, community character, noise)										
Factor two: Maximizes opportunity areas (existing utility corridors, public right-of-way, etc.)										
Factor three: Most protective of health and safety (EMF, fault lines, Olympic Pipeline, etc.)										
Factor four: Least proximity to sensitive community land use areas (parks, recreational areas, recreation clubs, schools, registered historic sites, etc.)										
Factor five: Least proximity to sensitive environmental areas (steep slopes, stream crossings, slope stability, etc.)										
Factor six: Least effects on aesthetics (pole design; see graphic representations)										

Scoring the segments

- First, use the data provided to **individually** score all the route segments in the central sub-area

- Then, score all the segments **as a group**

Message to the Sub-Area Committee

- **As a group,** what is one key thing you want to say to the Sub-Area Committee about this sub-area?

Upcoming meetings

- **Central Sub-Area Committee Meeting**
  May 14 from 6:30 to 9 p.m. at the Bellevue Hilton Hotel

What's next for the advisory group?

Community Advisory Group | Sub-Area Committees | Community Meetings | Other Opportunities

WINTER	SPRING	SUMMER	FALL
1 Education	**2** Identify route options	**3** Narrow route options	**4** Recommended route
Learn about electric system and project need (COMPLETED)	Develop sub-area segment input for full Community Advisory Group discussion	**Community Meeting #2** Feedback on potential route options	**Community Meeting #3** Feedback on Community Advisory Group recommended route
Community Meeting #1 Feedback on project need, potential segments and route selection process (COMPLETED)	• Discuss community concerns • Develop potential route options based on input from Sub-Area Committees	• Discuss community concerns • Weight community values for evaluation process • Narrow route options to one recommended route	• Discuss community concerns • Consider public input and validate recommended route and provide route recommendation to PSE for consideration
• Discuss community concerns • Learn about the factors involved in developing the route segments (COMPLETED) • Bus tour of project area	**Community Advisory Group Meetings #3 and #4**	**Community Advisory Group Meeting #5**	**Community Advisory Group Meeting #6**

Neighborhood and community group briefings, fairs and festivals, public kiosks, online surveys

Thank you!