

North Sub-Area Workshop #1 Transcribed Flipchart Notes

4/16/2014

On March 19, 2014, Puget Sound Energy hosted North Sub-Area Workshop #1 for the Energize Eastside project. Meeting attendees participated in small group discussions about the route segments, using questions listed below to guide conversation. Attendees recorded their responses on provided flipcharts. Transcriptions of the flipcharts are below.

The content of the verbatim transcriptions below reflect input from individuals participating in the North Sub-Area Workshop #1. The transcriptions reflect a verbatim reproduction of the hand-written materials on the flipchart pages to the fullest extent of the materials' legibility.

The inclusion of the transcriptions is to maintain a record of the information and input received at this meeting. Their inclusion is not a reflection of Puget Sound Energy's concurrence or disagreement with the content of the comments in whole or in part. The workshop process, including the preparation of summaries including the Transcribed Flipchart Notes, reflect PSE's public outreach process to assist the Community Advisory Group and Sub-Area Committees in gathering input that will be used to inform a decision about route selection.

Guiding questions

Part 1: Route segment conversation

Question 1: For this segment, what key issues should be considered?

Question 2: For this segment, what are specific considerations, unique characteristics or any other information that you haven't already discussed that the Sub-Area Committees and Community Advisory Group should know about? Use the aerial maps on the table to identify specific locations.

Part 2: Evaluation factors

Values

Question 1: As a group, answers the question "what evaluation factors should be considered by the Sub-Area Committee when considering route segments in this sub-area?"

Factors

Question 2: Thinking about the factors you considered above, what data does your group think would be useful to make an objective comparison across segments?

Transcribed flipcharts

Segment B – Group 1

Issues

- *Property Value*
- *Residential Impact*
- *Proximity of Schools/EMF*
- *Design Feature*
- *Use Existing Corridors*
- *122nd and 73rd = Historic Property*
- *No Existing Overhead Lines on 70th*
- *122nd is a corridor/arterial for the Fire and Emergency Department*
- *No Impacts*
- *Health/Safety*
- *Environment*
- *Economic Value*
- *With option C, would not have to underground 12.47 kV*

Questions to consider

- *Compare number of easements needed to obtain C>B*
- *Compare proximity to residents homes (Affects B more), route C is already affected)*
- *Change of status? (Route C would not change)*
- *Amount of feet/area need to be cleared for new lines (compare)*
- *Compare number of people affected by each route*
- *How many people will see a new line (where one did not previously exist)*
- *Compare the number of schools affected? B vs. C*
- *Estimate total cost B vs. C*
- *Estimate cost of easement B vs. C*
- *Estimate cost of underground 12.47 kV B vs. C*
- *Total property value impact B vs. C*
- *Number of trees affected*
- *Number of new poles in front of homes, compare each route*
- *Compare project timeline B vs. C*

Segment B – Group 2

Issues

- *Design Features (3) [circled]*
- *EMF (4) [circled]*
- *Encroachments (2)*
- *Enviro (2)*
- *Existing (2)*
- *Number of properties (2)*
- *Property Values (4) [circled]*
- *Schools (3) [circled]*
- *Residential Impacts (3) [circled]*
- *Deep retrofit*

Values/evaluation factors

- *Views (value view of Mount Rainier)*
- *Value view of Mount Rainier*
- *Data request: number of properties along a segment with view impacts*
- *Health*
- *Request: a virtual tour of the route segments so people can see what it looks like (Sound Transit has one for East Link)*
- *Proximity to residential areas*
- *Data request: number of residences affected*
- *Security of power lines (national security)*
- *Value property*
- *Economic Growth*
- *Puget Sound Regional Council economic business value as part of regional plan*

Segment B – Group 3

Issues

- *Proximity to Schools*
- *Property Values*
- *Community Character*
- *Impacts on trees on 116th*
- *EMF – sandwich effect*
- *EMF – Sandwich Effect: unknown health risk to transmission lines on two sides of homes; visual effect of two sets of transmission lines in area*

Values & factors

- *Bridle Trail State Park: wildlife and nature; health and safety*
- *Comfort of walking in our residential neighborhood*
- *Factor: Where the alignment passes areas that are wild and natural (BTSP) then evaluate pole design and tree removal for negatively increasing an industrial presence*
- *EMF exposure to large groups of children (i.e. schools)*
- *Number of homes and schools within 100 feet of lines*
- *In segment B, will poles and lines fit within existing 60' R.O.W?*
- *What width easement will be needed for route B?*

Segment B – Group 4*Issues*

- *Proximity to Schools*
- *Use existing utility corridors (Seattle City Light/PSE)*
- *Trees and vegetation (especially Bridle Trails State Park)*
- *Property values/number of properties impacted*
- *Proximity to homes - chose biz routes (e.g. 85th)*
- *Environmental impact*
- *EMF (health concerns)*
- *State Park wetland adjacent*
- *Schools have solar power (renewable energy as community assets)*
- *Old Growth*
- *Proximity to Seattle City Light-too concentrated*
- *Protecting Wildlife*
- *PSE has existing line - so why not just use those?*
- *Pipeline in Segment C?*
- *Value - Health and safety (number of schools on route)*
- *How do we minimize negative impact? (Existing lines, reuse)*
- *Amount of EMF reduction of existing lines after upgrading?*
- *Value - Economic impact*
- *How do we minimize negative impact to property values? (use existing lines, reduce the number of new poles)*
- *Impacting as few homes as possible*
- *Value - Environmental impact*
- *Trees, wildlife and wetland effected*
- *Number of trees removed*
- *Value - Taking as little new land as possible*

Factors

- *Proximity to corridor (existing)*
- *Number of poles installed*
- *Number of home next to new corridor*
- *Number population density*
- *Monetary impact to property value*
- *Number of homes are currently impacted vs. additional homes will be impacted*
- *Number of homes that can benefit from upgrading existing lines reducing EMF*

Data that would help

- *How were constraints weighted?*
- *Past data on property value impact?*
- *Number of new poles to be installed?*
- *Number of new easements required?*
- *Number of wetlands affected?*
- *Number of homes affected that are currently with power lines*
- *Number of schools impacted?*
- *Number of homes that might be double impacted (2 lines)*
- *Relative scores used in routing tools?*
- *Permitting difficulties between routes?*
- *Number of trees that will be removed?*
- *Number of wildlife impacted?*

Segment C – Group 1

Top 5 Issues

- *Property Values*
- *EMF*
- *Residential*
- *Visual/aesthetics*
- *Population density*

Segment C: Q2

- *Pipeline (Olympic)*
- *Bridle Trails Neighborhood (more rural, horse park feel, 770 units at 6001, only open green space)*
- *Horses on lots nearby*
- *Consider the constraints of PSE easements*
- *Space under trail used for horses and trails*
- *Rose Hill Jr. High backyard*

Segment C: Values and Factors

- *Value: Health and safety*
- *F: Proximity of new line to pipeline*
- *F: Population density near the line (EMF)*
- *F: How many schools are nearby*
- *Value: visual*
- *Value: environmental*
- *F: Noise level of line*
- *F: Cost*

Data Points

- *Number of schools/churches/businesses (adjacent and within a quarter mile)*
- *Population Density (adjacent and within a quarter mile)*
- *Noise levels*
- *Existing ROWs already in place/nearby (callouts: e.g. Olympic Pipeline)*
- *Number of residences (adjacent and within a quarter mile)*
- *Cost*

Segment C – Group 2

Issues

- Residential Impacts
- Aesthetics
- Design Features
- Property Values
- Construction
- Bridle Trails Area (trees=special)
- Frequency of outages caused by trees

Values

- Human health and safety convenience (EMF)
- Potential for economic stability and growth
- Aesthetics
- Social equity
- Privacy and security
- Environment

Evaluation factor

- Number of residences/businesses impacted
- Number of businesses displaced
- Proximity to community resources
- Attractiveness of businesses
- Number of jobs created
- Number of lines (fewer)
- Number of commercial properties affected
- Cost of power for low-income
- Restricting/limiting maintenance visits
- Protecting from public (number of intrusions)
- Number of trees torn down
- Generation (Co-Gen) plant funded by Microsoft (other concern)

Useful data to be potentially provided for next Sub-Area workshop

- Before and after photos with potential types of poles (Example: before H poles, after monopole)
- Diagram with current substations and transmission lines transposed with potential segments
- Total cost per line segment (acquisition, relocation costs, etc)
- Pictures of current substations (how well are substations integrated with community character)
- Amount of power required by Microsoft and Google

Segment C – Group 3*Top 5 Issues*

- *Aesthetics*
- *EMF*
- *Property Values*
- *Number of properties*
- *Noise*
- *Old growth and mature trees*
- *Wildlife*
- *High density (more than 180 units in Sixty-01 between 60th and 70th)*
- *Open space and green space*
- *5 high rises-west end 6001*
- *Cell towers at NE 40th*
- *Petroleum pipeline easement (N-S) 6001*
- *Open areas (no disguise/cover)*
- *Existing community line (fiber optic line)*
- *Pea Patches at 6001*
- *Tennis Court at 6001*
- *Volleyball Court at 6001*
- *Employee for buildings for support and maintenance staff*

Factors

- *How much more infrastructure can our community have? (many already)*
- *Number of existing infrastructure projects in segment*
- *How dense is the area of the segment? (safety of lines falling in dense areas)*
- *How close is segment to existing petroleum lines?*
- *How many schools, and in what proximity, does segment pass?*
- *How many private properties impacted by the segment?*
- *How many recreational amenities would be lost? (and impact on property value, loss of amenities, loss value)*
- *Quietness (noise level)*
- *Visual-obstruct open area*
- *Number and site of objects in open areas*
- *Specific route for segment (particularly C)*
- *Location of poles on properties*
- *Where would access points?*
- *Who maintains/restoration after maintenance?*
- *What is the distance between poles?*
- *Where will they replace existing with the new?*
- *What is the pole type?*
- *What is the code for proximity to existing buildings?*
- *Noise level, compared to existing baseline*
- *Densities of areas or segments (map)*
- *What's the difference between pole height 95 and 125 feet?*
- *What's criteria for 400 feet vs. 700 feet?*
- *What's the material of poles?*
- *PCB levels at substations (new and existing)?*