

BPA I-5 Corridor Reinforcement Project – August/September 2010 Open Houses

Summary of questions and comments received; survey results

BPA held four public meetings between Aug. 30 and Sept. 12, 2010, to provide landowners and other interested stakeholders with updated information about the project, including the revised project map. The map illustrates the segments and route options which will be evaluated during the environmental impact statement (EIS) process. Approximately 740 people attended the meetings.

Format

Each meeting included an open house, providing an opportunity for community members to speak directly with BPA staff, and at least one presentation followed by a group question and answer session. Larry Bekkedahl delivered a presentation on the overall need for and location of the project, the benefits and the schedule. A panel of BPA staff with expertise in a variety of topic areas related to the project responded to questions from the public during the question and answer session.

Meeting Locations and Attendance

Date	Location	Approximate attendance
August 30, 2010	Castle Rock Elementary, Castle Rock, WA	225 (205 signed in)
August 31, 2010	Skyview High School, Vancouver, WA	110 (102 signed in)
September 8, 2010	Amboy Middle School, Amboy, WA	275 (252 signed in)
September 12, 2010	Union High School, Camas, WA	130 (121 signed in)
Total		740 (680 signed in)

Surveys

Meeting attendees received a survey upon signing in at the meeting. The survey was designed to gather information from the public about their preferred methods for receiving future information about the project as well as the topics in which they are most interested. A total of 112 surveys were completed and returned to BPA. The tables below contain the top three responses to each question from the survey form, sorted by the meeting location.

Question 1: What issues do you want to learn more about? (Top 3, by location, listed below)

Castle Rock	Vancouver	Amboy	Camas
Human Health Effects/EMF	Human Health Effects/EMF	Property-Land Valuation/ Compensation	Property-Land Valuation/ Compensation
Property-Land Valuation/ Compensation	Property-Land Valuation/ Compensation	Route Selection Process	Route Selection Process
Route Selection Process	Route Selection Process	Human Health Effects/EMF	Visual Impacts

Question 2: What is the single most important issue for you? (Top 3, by location, listed below)

Castle Rock	Vancouver	Amboy	Camas
Property values	Property values	Property values	Property values
Placement of lines away from people	Route location selection	Health effects	Health effects
Health effects	Health effects	Loss of home or property	“Fair” treatment

Question 3: How would you prefer to receive information about the project? (Top3, by location, listed below)

Castle Rock	Vancouver	Amboy	Camas
Newsletter	E-mail updates	Newsletter	E-mail updates
Open house	Newsletter	E-mail updates	Newsletter
BPA project website	Open house	Open house	BPA project website

Input received

An overview of the questions received and comments submitted during all four meetings is provided below. The comments received during the public meetings will be posted on the project website (<http://www.bpa.gov/corporate/i-5-eis/search.cfm>) along with all other comments submitted to the project. Questions that were received verbally or in writing for the Q&A sessions are listed in Attachment A. The attachment is the best attempt to capture an individual’s question and is not meant to be a verbatim transcription. The questions are listed by the meeting at which they were received and further categorized according to the categories included in this summary.

Input received in writing or during the Q&A session can be generally categorized in one of seven categories: realty; electro-magnetic fields (EMF) and health; process; purpose and need; design and cost; environmental effects; and other alternatives.

Realty:

- Acquisition and condemnation process
- Property values (during EIS process and after construction)
- Not being able to sell homes until environmental review is complete
- Number of people that will have to move
- Existing easements/right of way locations
- How information is gathered about a property
- Percentage of overall costs allocated for land purchase
- Proximity to business operations
- Compensation criteria and appraisal process

EMF and health:

- Safe distance and regulations for people, homes and schools
- Health effects to children and others
- Impacts to domesticated animals

- Effects on medical devices
- Design options
- Study and analysis methodology
- Past research
- 230 kV vs 500 kV effects
- Underground vs overhead effects

Process:

- Environmental review, scoping timeline, EIS process, NEPA
- Ability of landowners along new routes to comment
- Decision making criteria to select preferred alternative
- Reasons why original routes were selected
- Reasons why routes were eliminated
- Reasons why segments and substation locations were added
- Decision timeline and decision maker
- Meeting format and time allotted for questions
- Mitigation and monitoring plans and processes
- Availability of information
- Involvement of elected officials
- Involvement of Department of Natural Resources and other large land owners
- Using studies that are specific to the area
- Additional meetings for public comment
- Deadline for comments to be included in the Draft EIS
- Compliance with local government regulations

Purpose and need:

- Challenges to data, forecast numbers
- Local benefits vs out-of-state benefits
- Agreement there is a need
- Relationship to wind energy transmission
- Likelihood of a felled tower and response

Design and cost

- Tower dimensions
- Cost estimates for each route

Environmental (built and natural) effects:

- Pros/cons of segments
- Proximity to homes
- Proximity to trails, recreation and sensitive areas
- Endangered species
- Fish and wildlife
- Drinking water
- Cultural and historic resources
- Number of parcels and/or people affected

- Noise
- Socio-economic effects
- Visual and aesthetic effects
- Vegetation control and management
- Effects to communication systems and cell phones
- Seismic risk
- Homeland security
- Economic impacts to homeowners/cities, including temporary land closures
- Impacts to local economy and tourism
- Cumulative impacts (cell phone towers, wind power)
- Quality of life

Other alternatives:

- Additional route and segment suggestions for Clark/Cowlitz counties (farther east, away from homes, Bonneville Dam crossing)
- Placing the lines underground (entire route or certain segments)
- Additional substation locations
- Reconsider Pearl route
- Ability to use/modify existing lines and right of way
- Line configurations and tower design options
- Conservation efforts

A comprehensive list of questions received during the open houses is attached to this summary.

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Attachment A – Q&A Session Questions

Questions received in writing or verbally during the question and answer session at each open house are listed below. BPA will be updating the Frequently Asked Questions page on the project website to provide more information about the topics below.

Castle Rock Public Meeting – Q&A Session Questions

August 30, 2010

Realty

- How is loss of value for home and property compensated for by BPA?
- How is compensation determined for property owners?
- How is compensation determined for landowners next to the right of way?
- If BPA puts towers near my country home, how will BPA compensate me for reduced value and difficulty of sale?
- If a family is displaced, what or how much will the reimbursement be? What about mortgages, septic systems, bank loans and wells? Is the compensation dollar for dollar?
- Can my contract with BPA state that if the power line causes a fire and a loss in timber or property that BPA will pay damage and replace property?
- Will this project use eminent domain or buy out landowners?
- Why not use the existing lines where the landowners already have land use agreements?
- Do property owners have any recourse if BPA chooses their particular property for a route?
- Landowners would prefer a steady income. Why can't BPA lease the land instead of buying an easement for a small portion of what the landowner owns?
- What actions will be taken if a landowner does not want to sell an easement for property and are not willing to cooperate?
- Will BPA agree in the contract to give the right of way back to the landowner if the line is abandoned and no longer needed and remove the tower, lines and etc?
- How will BPA address the loss in property value to land owners, even if the power line does not cross their property?
- How does leaving thousands of property owners in limbo for years due to location selection criteria make sense when people are having trouble selling homes or getting loans when they have to disclose that they are on a proposed route?
- Would any BPA employee be willing to buy our house and live there?

Electro-magnetic Fields (EMF) & Health

- Why doesn't BPA provide an EMF study and discuss it?
- I have read BPA's EMF package. Why should BPA think that any risk that could occur to local people is acceptable?

- Why is BPA making excuses about EMF? Per the package provided by BPA, families are either working, at school, or outside. EMF exposure is greater but over less time. Transmission lines are a constant exposure.
- Why does BPA present other than other household items present EMF exposure risks? Is the purpose of this comparison to convince us that the project is okay?
- BPA did a comprehensive study of EMF from power lines in 1991. Why has BPA not shared that on the project website together with other EMF information?
- How are pacemakers affected by 500kv lines? What are the additional health effects to living next to them?
- Can BPA comment on the project website about the Swiss study on EMF exposure showing increased dementia by people living close to high voltage lines?

Process

- Once a route is approved, when would construction start?
- How long has BPA been in negotiations with Weyerhaeuser with regards to segment F?
- How do we know when a FOIA (Freedom of Information Act) request is required to get information from BPA?
- What recourse do impacted property owners have for preventing BPA from entering gated communities?
- What stage of the process is BPA in? Why can't BPA find an alternate route?
- Why does BPA have excuses on each handout?
- When is the environmental impact statement going to be available?
- Who will make the final decision on which route, and when will that decision be made?
- Which city, county, state, and federal elected officials has BPA been working with?
- Why did the scoping comment period close prior to the new route announcement?
- Who is doing the earthquake studies? When will we know which routes are chosen?
- What criteria are used for the decision-making process? What weighting factors are applied to each criteria?
- How will BPA coordinate with impacted landowners?
- Are all negotiations in this process being shared with the public?
- Has any undisclosed pressure or influence been applied to BPA to move routes?
- Why did the scoping comment period close prior to the new route announcement?
- Who will make the final decision on the routing of the new lines?
- When will the final decision be made?
- Why were certain routes dropped from consideration? Are these reasons available to public? Are they on the website?
- Why have segment F and the two northern substations in Castle Rock been added when these were not in the original proposed routes?

Purpose & Need

- Why do we need a new substation when both Longview and Allston have substations and open property nearby?
- If all the power is going to Portland and California, why is the line proposed to be built in Washington?

Design & Cost

- Why must the substation be on the west side of the Cowlitz River?
- Why are the current right-of-ways not sufficient to build the new lines?
- How many feet can you build within existing homes?
- Can BPA add cell phone service to these towers? Can they attach cell service for the Rose Valley?
- Can the new 500kv line be stacked vertically on an existing or larger new steel tower within the existing right of way from Castle Rock to the Columbia River?
- Why are the current rights of way not enough to build the new lines?

Environmental (built & natural) effects

- How many landowners are affected in each proposed segment?
- Washington timberlands do not need this project through the heart of them. Why won't BPA utilize existing right of way?
- The proposed routes go through some of the best timber land in Washington that. Existing corridors will save money and timberlands produce revenue. Why not reinforce the existing right of way?
- In January of 2010 the BPA's fact sheet showed an average of \$779 million on fish and wildlife. Why can't the BPA consider a route further east and north of segment F, even if it adds cost to the project? Isn't people's health and quality of life as important as the fish and wildlife?
- How is Cowlitz County's potential purchase of Weyerhaeuser's landfill affecting the location of segment F?
- How will noise from the line be mitigated?
- There are three endangered fish runs on the Coweeman River. What is BPA doing to protect these runs?
- I'm concerned about impacts to spawning beds. How will the use of herbicides and erosion from ATVs and horses on the right of way affect these spawning beds?
- How will the noise from the lines be mitigated for property owners in close proximity to the new towers?
- I operate emergency communications systems on my property. Will I be able to continue to operate the emergency communications if this power system were installed above my home?
- For several years the upper Coweeman River watershed has been the subject of stakes and measures by federal and state agencies, particularly the Department of Fish and Wildlife due to concerns over native steelhead. How does is this project "environmentally accountable," considering the damage of stress and silting caused by construction of these towers?

- I chose to move to Rose Valley even though I knew there were less services and it meant a longer drive to town. Why does BPA feel it's okay to burden myself and my neighborhood when we sacrificed for this quality of life?

Other alternatives

- Why won't BPA consider using the existing right-of-way over Delameter Road?
- Why not reconsider a route in eastern Washington?
- I feel this issue is to stay away from populated areas. Why doesn't BPA go through north at Yale Lake to the Kid Valley area then go west (crossing I-5 near the rest stop) to Casey Road site?
- Why doesn't BPA go east from Casey Road to avoid houses as was originally suggested?
- In the fact sheet newsletter, BPA talks about non-wires alternatives to a new transmission line. Can BPA elaborate on this?
- Can BPA reexamine the Oregon routes?
- If BPA is steadfast in going through the Washington (Camas, Vancouver, Kelso) route, can BPA please take another look at going even farther east than the new segment O and look at moving the Troutdale substation further east ?
- Why is a new substation in Castle Rock being proposed when one already exists in Longview, WA and at Allston and contains open property nearby?
- Why doesn't the line go straight north to run to Troutdale?
- Why can't the I-5 right of way be used as the route for the power line?
- Increased costs shouldn't trump landowners' wishes and rights. With the "uncertainty" or "weak evidence" of EMF risks, and the large opposition of land owners that may be affected, why not go straight north into Weyerhaeuser land and then east to Casey Road where BPA won't affect landowners?
- Has a route more northerly than the segment F been considered, perhaps two to three miles north to cross I-5, the Cowlitz River and Highway 411 that would reach the Casey Road area?
- Why won't BPA use the old Trojan right of way that goes to Pearl?

***Vancouver Public Meeting – Q&A Session Questions
August 31, 2010***

Realty

- If property values decline, will my home still be able to be resold?
- Is there a study that shows the impacts of landowners being in limbo while the route alternatives are studied?
- If only three-quarters of a property was needed, would BPA purchase just that portion, or take the whole property?
- Does BPA anticipate purchasing land where people will have to relocate? Will BPA cover the moving costs?
- What would happen if BPA took a property that contained an apartment complex or a trailer court?

EMF & Health

- In terms of health, what is the difference between a 230kv and 500kv transmission line?

Process

- BPA has stated that due to the dropped segments, 2,700 property owners have been released from the process. According to title information from Clark County, only 200 landowners have actually been released from the process. Where did the 2,700 figure come from? How is this answering to what people have asked about going through unpopulated areas? Will BPA go back and verify these numbers? Will BPA correct this discrepancy with the public and the media?
- Will there be a formal public scoping comment period for those that are new to the process?
- What is the formula for determining which route will be selected? How are different factors weighted?
- When will the preferred alternative be identified?
- How many of the panelists are from Clark County?
- Some routes have been eliminated already. Wasn't this premature according to the NEPA process?
- There has to be a specific list of priorities that are used in determining which route to choose. What is it?
- Segments Q and R would affect fewer people than segment P. Do you have any comments as to why that wouldn't be BPA's preferred route?
- BPA has stated that the NEPA process will help them in fully considering all the routes and determine the impacts of each. How is the public to believe and understand that similar consideration was given to the Pearl route on the Oregon side?
- What does the public have to do to get BPA to reconsider the Pearl route in the formal environmental impact statement? If this adds time to the process, couldn't BPA devote additional resources to studying this route?
- Why was segment 32 on DNR land removed and segment P added?

- Can BPA provide more detail about how the new eastern routes were selected?
- Are any of the panelists' homes affected? How many of the panelists' homes would be affected along the Pearl route? How biased does that make BPA?
- Did BPA allow DNR to negotiate and make decisions about where the lines cross their property?
- Will additional segments be added to the process?
- Will BPA hire a contractor to do the environmental impact statement? When will the contract for the environmental impact study be signed?

Purpose & Need

- Why is the burden of these power lines being placed on Clark and Cowlitz counties when the Portland area will get the most energy out of them?
- In a document dated May 12, 2010, a BPA staff person named, Jay Olive stated that, "BPA notes with some trepidation that the process of building lines across the Northwest to serve California will not be easy. It will be essential that the landowners see the benefits." This clearly states where the power is going for this project. How can the people of Clark and Cowlitz counties be expected to pay for this?
- How much does BPA make per hour to move power to California?
- How much of the power will run to California?
- Can BPA show on the project website the power usage by county (Cowlitz, Clark, and PGE territories) for the last 20 years and BPA's projections for the next ten years? Has the economic downturn changed BPA's projection?

Design & Cost

- What kind of mitigation will occur when the preferred alternative is selected?
- What is considered a safe distance from homes for this line?
- What can BPA tell us about the wind operations and who owns them? Are they out-of-state companies? If someone from California owns a wind farm out here, how does that impact the project?
- Which segments have room to put in an additional transmission line?
- Can the lines be placed on existing or rebuilt towers?
- What is the conflict between 200-foot tall Douglas firs and 400-foot tall transmission lines near the river crossing at Longview?
- Segment C proposes 500kv and 300kv lines stacked together, but BPA has stated that they cannot do this same thing over by the river crossing at Longview. Why is BPA willing to do this along segment C, but not at Longview?
- Can the current corridor be improved to handle the 500kv line?

Environmental (built & natural) effects

- How does BPA address the socioeconomic impact for those that live along the existing corridor versus the cost of the project?

- How does BPA place value on recreational opportunities in Yacolt and Silver Star Mountain? Is there a methodology for evaluating those impacts?
- It appears the BPA has eliminated segment 32 because of a proposed recreational facility that does not yet have funding and ATV trail. Is an ATV trail more important than homes?

Other alternatives

- BPA has stated that it would be difficult to construct the Pearl route. How is it so expensive to put it across at Longview when there is already a line there?
- Why would BPA subject itself to future liability when there is a perfect route on public lands and timber lands that avoids hundreds of homes?

***Amboy Public Meeting – Q&A Session Questions
September 8, 2010***

Realty

- Will the project designers purchase my property and live there with his or her family?
- I denied access to my property on the PEP letter and later stumbled on a stealth vehicle from BPA that was surveying my property. What do I have to do to make it explicitly clear that I do not want BPA on my property? Doesn't this strike BPA as disingenuous?
- How does someone get compensated if they do not sell their property to BPA and are living just outside of the right of way?

EMF & Health

- Would any of the panelists camp out under a power line for a week?

Process

- How can BPA legally add new segments to the process after the close of the scoping comment period? Doesn't this treat people along those segments differently?
- Does BPA have a figure or study on the loss of value if the line is placed on or near a property that is specific to Clark County?
- Has DNR pushed back on BPA's eastern routes because they don't want their land used for the project? How has DNR impacted BPA's decision-making process?
- Where else has a project like this been done in an environment similar to Clark County?
- How will BPA gain information about properties when access has been denied?
- Can BPA use eminent domain on US Forest Service and DNR lands?
- Cowlitz and Clark county commissioners have sent BPA letters requesting a public meeting for BPA to explain to the public why there are no routes through Oregon. Has BPA received this correspondence and will BPA tell us if they are planning to hold this meeting?
- When will the next round of routes be eliminated? Will every route on the current map stay on the map?
- How did BPA determine that Oregon routes were cost-prohibitive?

Purpose & Need

- Does California have to pay for part of this?
- What percentage of the power that will be transmitted on this line will go to California and southern Oregon?
- If Oregon will use 75% of the power transmitted on this line, why don't they bear the brunt of the transmission line? Why is the transmission line not being put in the back yard of those that use it the most?

Design & Cost

- What are the regulations regarding the minimum spacing between two 500kv lines?

- Earlier in the process, BPA stated that segments 9 and 25 couldn't be used because the line would have to be de-rated and BPA did not want to "put all of its eggs in one basket." Why has this changed?
- What are the preliminary cost estimates for each route? What are the costs for the Pearl route or other routes through Oregon?
- Can BPA conduct maintenance on the towers and transmission lines using helicopters such that it would not have to build roads and then could construct the towers on DNR or US Forest Service land?

Environmental (built & natural) effects

- How will herbicide be used to prevent it from entering waterways? What are the safeguard methods? What results have these produced in the past? Have results been measured? Are there studies for both urban and forested areas? Will there be a vegetation management plan in the EIS? Will it be specific to our area?
- Anderson Lodge is a business that has been in the Yale Valley for several years and hosts a variety of events and meetings. Its business operations could be severely impacted if the line goes through Yale Valley. Have any of the panelists heard of this business and does BPA plan to visit the property and see what it looks like now?
- Is anyone aware of the Integrated Landscape Management Plan developed by the Department of Fish and Wildlife? How many of the panelists are familiar with it?
- Why did pushing the lines further east result in blanketing the entire Yale Valley, which is densely populated?
- How much revenue will DNR lose if BPA goes through their land? How many acres would BPA acquire?

Other alternatives

- The river crossing at Allston has an existing 500kv line. Why isn't BPA considering going down the Oregon side?
- BPA has stated that it will look at unpopulated and wilderness areas. Where did BPA end up with that and what other options are there?
- Japan and Germany place transmission lines underground. Why can't the lines for this project be placed underground?
- Most of the growth in energy demand is from the Portland area, not in the Clark and Cowlitz County area. If BPA is accountable to the public, why can't the Pearl route be put on the map for consideration?
- Has the possibility of putting the lines underground been researched very well? Could the lines be put underground on the current easement? Can BPA figure out the technology to do this?
- What is the kilowatt charge per hour to the public to build the towers? How much lower will that cost be if the line is put through unoccupied land?

**Camas Public Meeting, Q&A Session 1 Questions
September 12, 2010**

Realty

- How will BPA study the effect this project has on property owners?
- How do the houses that have been unable to be sold because of the project get factored into the valuation of homes?
- Don't you have to renegotiate existing rights of way due to the increased voltage on the new lines?
- Why would certain easements have contained voltage limitations?
- If BPA appropriately compensates people for land use, then why would DNR be upset about lost timber sales?
- According to BPA personnel, there is no capacity to expand the right of way along segments 36, 37, 38 and 39. Will BPA have to condemn property along these segments?

EMF & Health

- What studies have been done for EMF that says there is a threat when the lines are put underground?
- What about health concerns and impacts to medical devices?
- How do you monitor EMF on people and the environment?

Process

- Has the company that is doing the environmental impact statement been contracted? Which segments will they study?
- Will there be a narrowing of route selections as the EIS is prepared?
- How will you gather data about the project and how will you monitor the impacts and how often?
- Did BPA change the project map based on what DNR said? Why is BPA deferring to DNR?
- What has BPA hired public relations consultants for? How much is BPA paying them?
- What is the deadline for comments to be included in the environmental impact statement?
- Has BPA started the draft environmental impact statement yet?
- Are there other project deadlines coming up?
- Will BPA be incorporating any new routes?
- What is the typical comment period for a draft environmental impact statement?
- Will BPA post the draft environmental impact statement online?

Purpose & Need

- When will BPA come clean and when will BPA really tell us why the project is needed?
- At the Skyview High School meeting Erna Sarasohn read a quote from Attorney Jay Olive, who works for BPA. He was testifying in front of the California Public Utilities Commission and said, "BPA notes with some trepidation that the process of building lines across the Northwest to

serve California will not be easy. It will be essential that the landowners see the benefits.” BPA staff stated that the quote didn’t refer to the I-5 Corridor Reinforcement Project. It refers to the Columbia River Gorge and crossing the Columbia River. How can it not be related to this project?

- If energy use rates are not growing in Clark County, where is all this powers supposed to go?

Design & Cost

- What percentage of the overall project cost is factored into land purchase?
- What are the dimensions of the towers at the base and also at the top sections?
- What is BPA’s rationale for choosing to go through Yale Valley and why does the line configuration zig-zag?
- If BPA chooses segments 9 and 25, will many of the towers be rebuilt?
- Along segment 52, near Oak Park, will there be changes to the existing right of way? How much larger will the towers be?
- How does the additional acquisition cost for existing lines get considered?
- What are the dimensions of the towers?
- Is there a minimum distance between lines for the delta configuration?
- On which side of the right of way would segment 25 be located?
- What is the percentage of stimulus money used for the project?
- What is the size of the existing easement on segments 9 and 25?
- What would the size of a new right of way be?
- What value/income would come from placing cellular phone towers on the electrical towers? Is that a consideration in this process?
- Why can’t high voltage lines be run underground?

Environmental (built & natural) effects

- Are school districts aware of the possible budget shortfalls if the line goes on DNR land?
- Is BPA aware of a new dog park going in near Oak Park?
- Has the BPA project manager been hiking out in DNR land?
- Will impacts to our spring-fed water system be mitigated?
- One of the factors for consideration of this project that does not appear on the slide is Homeland security. What does BPA have to say about that and can you add that to the presentation?
- Will the EMF study include the corona caused by rain and humidity on the lines?

Other alternatives

- Will you develop and put back on the map an Oregon alternative?
- Can you put the line underground and underneath existing ROW? Are there issues? Is it feasible?
- Which river crossing is more challenging – Longview or Troutdale? Won’t the same things need to be done at both crossings?
- Why did BPA eliminate lines 31, 32 and 33 and add line P?
- Why were lines 11, 13, 29, 32 and 34 removed from consideration?

- There are two east-west main lines just left of segment 35. Is there a reason that these are not included in the study?

Camas Public Meeting, Q&A Session 2 Questions
September 12, 2010

Realty

- Is compensation exclusive to properties that are part of the right of way?
- Segment 25 is 325 ft. from my house. If you choose that route, will my home be taken out? How close can the line be?
- At what point can the public see a study of the loss and economic impacts to homeowners, to include temporary road closures, businesses, and a comparison between the different routes?

EMF & Health

- Does EMF automatically increase with increases in voltage?

Process

- Segment 9 seems like the most cost-effective route to choose. Why doesn't BPA just use that one?

Purpose & Need

- The presentation stated that BPA has the potential to be fined for lapses in reliability. Has this ever happened?
- Under what circumstances might a transmission line tower go down?

Design & Cost

- How will putting the towers on pylons or an artificial island in the river impact the response time for responding to emergency repairs?
- What is BPA's maximum and standard response time for emergency repairs?
- What's the width of the right of way on segment 9? Does it have the capacity for a 500kv and a 230kv line?
- Would segment 39 be on an existing line or on a new easement?

Environmental (built & natural) effects

- Is BPA aware of a gas pipeline pumping station and lines that run underneath a section of segments 50 and 51?
- Does animal habitat automatically trump human habitat?

Other alternatives

- Why is BPA not utilizing the set of towers running from Bonneville Dam south of the Pearl which has only half of its wires utilized? Why is that crossing not being used?
- Why is the route going through Troutdale when the ultimate goal is the Pearl substation?
- Do all of the alternatives include adding capacity through Camas?

- Will BPA abide by the City of Camas' ordinance that requires all new construction of transmission lines to be underground?
- Will the cost differential for putting the lines underground be updated?