



AGENDA

REDMOND CITY COUNCIL STUDY SESSION
JULY 08, 2014
7:30 PM

COUNCIL CHAMBER, CITY HALL
15670 NE 85TH STREET

MAYOR
John Marchione
COUNCILMEMBERS
Hank Margeson, President
Kim Allen, Vice-President
David Carson
Tom Flynn
Hank Myers
Byron Shutz
John Stilin

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Redmond City Council Study Session

- Energize Eastside Overview and Status Update
- Derby Days Council Booth
- Council Talk Time



MEMO TO: Mayor and City Council

FROM: Rob Odle, Director, Planning and Community Development

DATE: July 8, 2014

SUBJECT: Energize Eastside Overview and Status Update

I. RECOMMENDED ACTION

Requesting questions regarding Energize Eastside project.

II. DEPARTMENT CONTACTS

Colleen Kelly, Assistant Director, Community Planning, 425-556-2423

Lori Peckol, AICP, Policy Planning Manager, 425-556-2411

Pete Sullivan, Senior Planner, 425-556-2406

III. DESCRIPTION/BACKGROUND

During the study session Puget Sound Energy staff will provide an informational presentation on Energize Eastside and will be available to respond to City Council questions. Presentation topics include an overview of the project, status of the planning process, community involvement, and issues specific to segments A, B, and C, which are the three segments located in Redmond. The majority of the project's 18-mile route is located in the City of Bellevue; Redmond's portion includes three miles, or 15 percent of the overall project extent.

With the Energize Eastside project, PSE is proposing to build new, higher capacity electric transmission lines on the Eastside to upgrade the existing transmission system and provide more dependable, long-term power. The project would build 18 miles of new transmission lines between Renton and Redmond. PSE has narrowed the final list of route options to 18 possible segments. PSE launched a public outreach process in late 2013 to gain input on potential route segments.

PSE convened a Community Advisory Group (CAG) in early 2014, which has been meeting regularly to discuss potential route options and make a final route recommendation to PSE by the end of 2014. City of Redmond staff is participating in CAG meetings along with representatives of OneRedmond and Redmond neighborhoods.

In Redmond, route segment A (see Attachment A) travels southwest from PSE's Sammamish substation, which is the northern terminus of Energize Eastside. Route

segments B and C then occupy a combination of existing 115kv transmission line corridors, and new corridors in existing rights-of-way. The selection of routes B or C could influence the location of a new substation in the City of Bellevue. Route segment C also contains a hazardous liquid pipeline; PSE has successfully and safely co-located a transmission line with a hazardous pipeline in Snohomish County.

PSE's initial design alternatives include several above-ground configurations using monopoles made of galvanized or weathering steel ranging from 85 feet to 130 feet. Pole height will depend on several factors, such as topography and obstacles, wire tension, whether a pole is located in a straight line or at a corner, and the distance between poles, which could range from 200 feet to 1,000 feet. PSE will not build lattice towers for this project, such as those currently operated by PSE on Redmond's power line trail.

PSE is providing multiple opportunities to stay informed, review project materials, and provide feedback. Information is available via the project web site, www.energizeeastside.com

IV. IMPACT

- A. **Service/Delivery**: PSE provides electric and natural gas service in the City of Redmond. According to PSE studies, the rate of growth on the Eastside will cause demand for reliable power to exceed capacity as early as 2017. PSE believes that without substantial electrical infrastructure upgrades and conservation efforts, the power system will lose redundancy, increasing the possibility of outages for as many as 60,000 customers.
- B. **Fiscal**: PSE would cover the cost of the project, which is estimated at \$3 to \$4 million per mile, or \$54 to \$72 million overall. This cost is for an overhead configuration of new 230kv electric cables, and is captured under PSE's current rate structure.

An underground configuration, which is now being evaluated in response to community feedback, would run \$20-28 million per mile (\$360 - \$504 million overall) due to the higher cost of land acquisition, labor, and materials, and the need to relocate other underground utilities. Undergrounding is not captured in PSE's current rate structure. PSE is open to considering undergrounding as an option, though would not fund any portion of these costs out of fairness to the other communities it serves. According to PSE, the decision to underground any portion of the project rests with the local community, and the requesting group would need to pay the cost difference between overhead and underground up front, which covers both engineering and construction.

V. ALTERNATIVES TO STAFF RECOMMENDATION

Not applicable at this time.

VI. TIME CONSTRAINTS

According to the project schedule, design and permitting are expected to start in 2015, and service would begin in 2018. The CAG's 28 members have been asked to provide a final route recommendation to PSE by the end of 2014. Since January 2014, City Council has received status updates on Energize Eastside from Planning staff via email and Council committee meetings. PSE staff is willing to attend future meetings as desired by City Council.

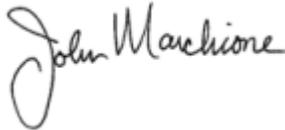
VII. LIST OF ATTACHMENTS

Attachment A: Map of PSE's route alternatives for Energize Eastside



Robert G. Odle, Director of Planning and Community Development

07/02/2014
Date



Approved for Agenda _____
John Marchione, Mayor

07/03/2014
Date

Potential Route Segments

Fall 2013

