



CO00037071

SNOHOMISH COUNTY COUNCIL
SNOHOMISH COUNTY, WASHINGTON

ORDINANCE NO. 08-121

AN ORDINANCE AMENDING THE SNOHOMISH COUNTY CAPITAL FACILITIES
PLAN, AN ELEMENT OF THE SNOHOMISH COUNTY GROWTH MANAGEMENT
ACT COMPREHENSIVE PLAN

WHEREAS, on June 28, 1995, Snohomish County enacted Amended Ordinance No. 94-125, which adopted the 1995-2000 Capital Facilities Plan (CFP) together with other elements of the Growth Management Act Comprehensive Plan (GMACP); and

WHEREAS, the county council has adopted periodic amendments to the CFP since 1995 including, most recently, with the ten-year GMACP update adopted by Amended Ordinance No. 05-071 on December 21, 2005 (the 2005 CFP Update); and

WHEREAS, RCW 36.70A.130 directs counties planning under the Growth Management Act (GMA) to take legislative action to review and, if needed, revise their comprehensive plan and development regulations to ensure the plan and regulations comply with the requirements in chapter 36.70A RCW; and

WHEREAS, Puget Sound Energy (PSE) has requested that Snohomish County amend the Countywide Utility Inventory Report, an appendix of the 2005 CFP Update, with revised inventory information related to existing natural gas and electric systems; and

WHEREAS, pursuant to the county charter and county code, the county council intends to update the CFP concurrently with the 2009 budget and the six-year capital improvement program (CIP); and

WHEREAS, the planning commission held a work session on August 26, 2008, and a public hearing on September 23, 2008, to review and take public input concerning amending the 2005 CFP Update; and

WHEREAS, the county council held a public hearing on November 5, 2008, continued to November 10 and 24, 2008 to consider the planning commission's recommendations on the proposed amendments; and

WHEREAS, the county council considered amendments to the 2005 CFP Update concurrently with the 2009 budget and with other related changes to the county's CFP, including the 2009-2014 CIP; and

WHEREAS, the county council considered the entire hearing record, including the planning commission's recommendation, and written and oral testimony submitted during the public hearings.

1 NOW, THEREFORE, BE IT ORDAINED:

2
3 **Section 1.** The county council adopts the foregoing recitals as findings and incorporates them
4 herein as if set out in full.

5
6 **Section 2.** The county council makes the following additional findings of fact in support of this
7 ordinance:

- 8
9 A. A comprehensive study of county capital facilities was conducted by Henderson, Young &
10 Company in 1993/1994. A number of studies and facilities plans have been completed
11 since then addressing specific county facilities and the facilities of other public agencies.
12
13 B. The county continues to update the inventory of existing capital facilities and the forecast
14 of future needs within the CFP and the Countywide Utility Inventory Report (an appendix
15 to the CFP) using the most current system plans and reports available.
16
17 C. The updated information provided by PSE is incorporated into the capital facilities
18 element of the GMACP through the Countywide Utility Inventory Report.
19
20 D. Staff conducted environmental review by preparing and issuing an addendum to the 2005
21 Final Environmental Impact Statement (FEIS) for the GMACP in compliance with the
22 State Environmental Policy Act (SEPA). The recommended amendments are within the
23 scope of analysis contained in the FEIS and associated adopted environmental
24 documents and result in no new significant adverse environmental impacts. The
25 addendum performs the function of keeping the public apprised of the refinement of the
26 original GMACP by adding new information but does not substantially change the
27 analysis of significant impacts and alternatives analyzed in the existing adopted
28 environmental documents.
29
30 E. The planning commission discussed the proposed amendments to the CFP at a briefing
31 on August 26, 2008, and conducted a public hearing on September 23, 2008. The
32 planning commission considered the public testimony and the full public record in
33 preparing its recommendation and has met the applicable public participation
34 requirements of county code and state law following the public hearing.
35
36 F. The county council conducted a public hearing on November 5, 2008, continued to
37 November 10 and 24, 2008.

38
39 **Section 3.** The county council makes the following conclusions:

- 40
41 A. The CFP amendments adopted by this ordinance do not fundamentally change the
42 structure or guiding elements of the prior CFPs, but merely update existing system
43 inventory information related to natural gas and electric systems.
44
45 B. The amendments to the CFP are consistent with the requirements of the GMA for the
46 preparation of a capital facilities element, the Countywide Planning Policies for

1 Snohomish County, the overall policy directives of the General Policy Plan, and the
2 decisions of the Central Puget Sound Growth Management Hearings Board addressing
3 capital facilities planning.
4

5 C. The CFP amendments adopted by this ordinance further the GMA's goals of encouraging
6 urban development in urban areas and ensuring the provision of adequate public
7 facilities. This is accomplished by identifying intermediate and long-range capital facility
8 needs projected from the same population forecasts which are the foundation for the land
9 use element of the GMACP. In addition, the projected need for public facilities is
10 predicated on an increasingly urban population, as directed by the land use element.
11

12 D. RCW 36.70A.130(2)(a) allows the county to amend the GMACP more than one time per
13 year if the amendment is to the capital facilities element and it occurs concurrently with
14 the adoption or amendment of the county's budget. This criterion is met because the
15 ordinance adopting these amendments to the capital facilities element will be considered
16 concurrently with the county's 2009 budget ordinance, fulfilling both the GMA and the
17 county charter and county code requirements that tie the capital improvement program to
18 the budget.
19

20 E. The CFP amendments adopted by this ordinance help fulfill Objective UT-1.A of the
21 General Policy Plan. The information provided by PSE will be included in the Countywide
22 Utility Inventory Report (appendix to the CFP).
23

24 F. The public participation process related to the adoption of this ordinance has been early
25 and continuous and has complied with all applicable requirements, including, but not
26 limited to, RCW 36.70A.130, RCW 36.70A.140, chapter 30.73 SCC, and the Snohomish
27 County Charter.
28

29 G. Published notices for the hearings before the planning commission and county council
30 complied with all applicable requirements, including, but not limited to, RCW 36.70A.130,
31 RCW 36.70A.140, chapter 30.73 SCC, and the Snohomish County Charter.
32

33 **Section 4.** The county council bases its findings and conclusions on the entire record before
34 the planning commission and the county council, including all testimony and exhibits related to
35 this ordinance and the recommendations of the planning commission. Any finding, which should
36 be deemed a conclusion, and any conclusion which should be deemed a finding, is adopted as
37 such.
38

39 **Section 5.** Based on the foregoing findings and conclusions, the 2005 CFP Update is amended
40 to include the "Natural Gas-Inventory and Existing Conditions" attached hereto as Exhibit A.
41

42 **Section 6.** Based on the foregoing findings and conclusions, the 2005 CFP Update is amended
43 to include the "Electric System Overview and 10-Year Plan" attached hereto as Exhibit B.
44

45 **Section 7.** If any section, sentence, clause or phrase of this ordinance shall be held to be
46 invalid or unconstitutional by the Growth Management Hearings Board, or a court of competent

1 jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of
2 any other section, sentence, clause or phrase of this ordinance. Provided, however, that if any
3 section, sentence, clause or phrase of this ordinance is held to be invalid by the Board or court
4 of competent jurisdiction, then the section, sentence, clause or phrase in effect prior to the
5 effective date of this ordinance shall be in full force and effect for that individual section,
6 sentence, clause or phrase as if this ordinance had never been adopted.
7

8
9 PASSED THIS 24th day of November, 2008.

10
11 SNOHOMISH COUNTY COUNCIL
12 Snohomish County, Washington

13
14 
15 _____
16 Chairperson

16 ATTEST:

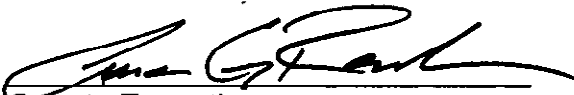
17
18 
19 _____
20 Asst. Clerk of the Council

- 21 APPROVED
22 EMERGENCY
23 VETOED

24
25 Date: 12/18/2008

26 ATTEST:

27
28 
29 _____

30
31 
32 _____
33 County Executive

34 Approved as to form only:

35 _____
Deputy Prosecuting Attorney

D-1

Exhibit A
(Natural Gas Inventory and Existing Conditions)

Natural Gas

Inventory and Existing Conditions

The natural gas distribution system in Snohomish County is owned and operated by Puget Sound Energy, Inc. Formed by the merger of Puget Sound Power & Light Company and Washington Natural Gas Company, Puget Sound Energy (PSE) is an investor owned, private utility headquartered in Bellevue, Washington providing energy services to over 1.7 million metered customers within the company's 6,000 square mile service territory. PSE is regulated by the Washington Utilities and Transportation Commission and the Federal Energy Regulatory Commission.

Natural gas is supplied to PSE's system via two transmission lines owned and operated by the Williams Company Northwest Pipeline. The Northwest Pipeline extends through western Snohomish County in a north-south direction, providing natural gas to the region from sources including Canada and the Rocky Mountains. After reducing pressure at various gate stations, the gas is distributed through PSE's system to end-users.

There were approximately 122,000 natural gas customers in Snohomish County as of January 2008. These customers are served through PSE's distribution system, which consists of the following components:

Gas Supply Mains: These are generally larger diameter (8" and over) steel wrapped mains designed to operate at higher pressure (over 100 psig) to deliver natural gas from the supply source to pressure reducing stations (district regulators).

Pressure Reducing Stations: These are located at various locations throughout the system to reduce pressure to a standard distribution operating pressure of approximately 60 psig.

Distribution Mains: Distribution mains are fed from District Regulators. These mains vary in size (usually less than 8" in diameter) and the pipe material is typically polyethylene.

Demand Forecasts

The average energy use for residential customers is 50 cubic feet per hour during winter heating months. Energy use from office, commercial and industrial customers varies. New hookups will trend similar to residential and commercial growth within the county, since the majority of developers request natural gas service.

Needs Assessment

There are four types of typical projects that PSE could have in the Snohomish County:

- *System reinforcement* required to supplement existing system and improve reliability.
- *New installation* due to new customers or conversions from an alternate fuel.
- *Main replacement projects* to improve system reliability.
- *Replacement or relocation* of facilities due to municipal and state improvement projects.

At this time there are a number of reinforcement projects under review in unincorporated Snohomish County. PSE's 10 year plan includes the following:

1. West Mill Creek Reinforcement

Install new natural gas main in 146th, 148th, 150th Street SW & Cascadian Way to reinforce existing system due to new load growth.
Scheduled construction date 2008-2009

2. Snohomish Supply Main Replacement

Replace the existing supply main in 92nd Street SE serving the City of Snohomish.
Approximate construction date 2009-2010

3. North Marysville Reinforcement

Install main in 51 Avenue NE and 172 Street NE to reinforce existing system, pending load growth generated by new developments at northern limits of service territory.
Approximate construction date 2010 or later

4. East Monroe Reinforcement

Install main in Calhoun Road to reinforce existing system due to load growth generated by new developments occurring east of Monroe.
Approximate construction date 2010 or later

5. Lake Stevens Reinforcement

Install main in Sunnyside Blvd or in Soper Hill Road or in Williams Road to reinforce existing system due to load growth generated by new development in the vicinity of Cavalero Corner.
Approximate construction date 2010 or later

The timing and final location or route of these projects is dependent on load and/or customer growth within the affected service area.

Exhibit B
(Electric System Overview and 10-Year Plan)

Puget Sound Energy Electric System Overview and 10-Year Plan

Puget Sound Energy (PSE) is the largest energy utility in the State of Washington, serving more than 1 million electric customers. Electric distribution services in Snohomish County are provided to customers by the Snohomish County Public Utility District (PUD). While PSE does not provide direct service to customers in Snohomish County, it does own and operate major electric transmission lines and substations within the county. These facilities are important components of the energy grid serving the Puget Sound region and provide additional reliability to Snohomish County residents.

PSE's transmission lines are generally located within three regional utility corridors: two extending north-south through the western part of Snohomish County and one extending east-west, roughly following the Highway 2 alignment.

PSE has identified a number of projects that will be needed over the next 5-20 year time-frame. The projects are grouped into three categories depending on their function within the overall grid and are not prioritized in any way.

I. PSE Projects of Regional Significance

Projects in this section are likely to influence the flow patterns in the Puget Sound region across multi-party electric transmission corridors.

1. Sedro Woolley-Horseranch #2 - 230 kV Line Upgrade

The purpose of this project is to add transmission capacity between Skagit County and Snohomish County by rebuilding the existing Beaver Lake-Beverly Park 115 kV line to 230 kV. The Horseranch Substation will be also be upgraded.

Estimated In-Service Date: 2010-2013

Transmission Line Length: 30 Miles

2. Horseranch/BPA Monroe - Construct New Line, 230 kV

The purpose of this project is to add 230 kV transmission capacity between Skagit/Snohomish County and King County and to increase system reliability between Sedro, Horseranch and BPA Monroe substations.

Estimated In-Service Date: 2010-2015

Transmission Line Length: 10 Miles

3. BPA Monroe-Novelty - Construct New Line from BPA Monroe to Novelty Substation, 230/500 kV

The purpose of this project is to add 230 kV transmission capacity between Snohomish County and King County and to increase system reliability between BPA Monroe and Novelty substations.

Estimated In-Service Date: 2010-2015

Transmission Line Length: 15 Miles

4. Horseranch/Beverly Park-Sammamish - Construct New Line, 230 kV

The purpose of this project is to add 230 kV transmission capacity between Snohomish County and King County and to increase system reliability. Most of the 230 kV line's

length consists of rebuilding existing 115 kV lines to 230 kV. This project could include expanding the Beverly Park Substation site to include a new 230 kV transmission substation and expanding the Horseranch Substation.

Estimated In-Service Date: 2010-2018

Transmission Line Length: 21 Miles

5. Anderson Canyon-Beverly Park - Uprate 115 kV Line

The purpose of this phased project is to uprate the line as necessary to meet existing and future load growth obligations.

Estimated In-Service Date: Phased work started in 2006; estimated completion date 2010.

Transmission Line Length: 60 Miles

6. Ebey Slough Transmission Line Rebuild

The purpose of this project is to rebuild approximately 2 miles of two parallel wood pole electric transmission lines (Beverly Park - Beaver Lake 115 kV and Sedro Woolley - Horse Ranch - Bothell 230 kV) to one double-circuit transmission line between Homeacres Road and Fobes Road. This is an emergency rebuild due to the deteriorated structures caused by inundated site conditions.

Estimated In-Service Date: Work started in May 2008; completion in November 2008.

Transmission Line Length: 2.12 miles (each line)

II. PSE Transmission Grid Reinforcement Projects

Projects in this category are primarily intended to reinforce the PSE internal delivery system grid.

1. Whidbey Island Reinforcement

The purpose of this project is to add transmission capacity and increase system reliability by constructing a third transmission line to Whidbey Island. The system need is for the new line to terminate in the south end of Whidbey Island and interconnect with Snohomish PUD's 115 kV system.

Estimated In-Service Date: 2015-2025

Transmission line length: To Be Determined

2. Snohomish PUD Beverly Park Substation Upgrade

Snohomish PUD is planning to upgrade their Beverly Park. This project will require PSE to terminate its three existing 115 kV transmission lines into the upgraded substation. Beverly Park Substation may also become the terminus for the 3rd transmission line to Whidbey Island.

Estimated In-Service Date: 2009-2010

Transmission line length: To Be Determined


III. PSE Transmission Reliability Projects

Projects in this category are intended to improve the reliability of service to PSE customers.

Projects in this class include transmission line uprates, which could be viewed as a non-wire investment since it optimizes usage of existing electric infrastructure with out having to build a new transmission line.

1. Talbot -Beverly Fiber Optic Project

PSE has a growing need for communications to support power system operations and future programs and projects. A joint project is in progress with the Bonneville Power Administration



(BPA) between Renton and Bellingham to install fiber optic cable on existing PSE transmission poles. This multi-year project will enhance system reliability and improve system monitoring capabilities.

