AGENDA ITEM #__1____

SEQUIM CITY COUNCIL
AGENDA COVER SHEET

MEETING DATE: **December 10, 2018**

FROM: **Ann Soule**
Resource Manager

acs___
Initials

SUBJECT/ISSUE: **2016-2018 Sustainability Report**

Discussion dates				
CATEGORY	☐ City Manager Report	☒ Information Only		Time Needed for Presentation
	☐ Public Hearing	☐ Consent Agenda		15 min.
	☐ Other Business			

Reviewed by	Initials	Date
Charles P. Bush, City Manager	CPB	12/5/18
David Garlington, Public Works Director	dmg	12/3/18
Sue Hagener, Admin Services Director	SH	12/6/18
Barry Berezowsky, Community Development Director	BB	12/6/18
Karen Kuznek-Reese, City Clerk	KKR	12/4/18

PROBLEM/ISSUE STATEMENT: Resolution 2016-16 on Sustainability and Resiliency calls for a staff report to Council every two years on practices and progress in the areas of planning, infrastructure, transportation, partnerships, outreach, and reducing greenhouse gas emissions. Tonight's presentation will be the first biennial report.

ATTACHMENTS:

1. **Tracking progress regarding sustainability and resiliency**
2. **"Climate Change in the Dungeness River" Fact Sheet from state agencies**
3. **For reference: R2012-11 on Reducing Greenhouse Gas Emissions**
4. **For reference: R2016-16 on Sustainability and Resiliency**

DISCUSSION/ANALYSIS: Adoption of a resolution in 2016 committed the City to improving overall resiliency and sustainability practices and reporting every two years. Since that time, staff has been documenting these practices and tracking approaches used by other jurisdictions. With this report staff is taking stock and sharing potential next steps.

The objectives of R2012-11 include reducing greenhouse gas emissions as well as generally improving the City's sustainability practices. The objectives of R2016-16

complement this by providing a framework for achieving a stronger, more prepared community in terms of infrastructure and operations in the face of a changing environment and potential emergencies. Attachment 1 includes staff response to how we currently address the objectives of both resolutions and ideas for future actions. Staff's presentation tonight will highlight some of the most significant current and planned actions.

Attachment 2 is a recent example of the information coming from resource management agencies and researchers describing changes we should be prepared for. At the jurisdictional level, **preparing for** the impacts of climate change is comparable to preparing for an emergency with a lot of lead time; in other words, governments should ensure that its infrastructure and operations are resilient, and should educate residents and businesses how to do the same. (A.k.a., "climate readiness" or adaptation)

Mitigating the impact of the City's activities on the atmosphere involves reducing greenhouse gas emissions from our fleet, our transportation habits, our procurement practices, our use of grid electricity, and from our residents and visitors. Policies set in R2012-11 are a good start but don't include methods for measurement or goals.

Before the next report in 2020, staff will

1. Adopt a standard framework with categories of resiliency (such as Water Supplies, Infrastructure, Economic, etc.) and sustainability (such as Waste Reduction, Energy Efficiency, etc.)
2. Establish measureable objectives within categories (e.g., tracking greenhouse gas emissions and recycling rates)
3. Recommend goals and target dates for Council consideration

For reference, cities around the world are taking leadership, such as:

- ICMA (https://icma.org/topics/sustainable-communities)
- Setting targets for being "Carbon Neutral" or "Zero Waste" by 2035 or 2050 (examples at http://climatemayors.org/)
- Climate Action Planning: many frameworks and models are available covering adaptation/preparedness and mitigation/sustainability

FINANCIAL IMPLICATIONS: There are no line items in the City's capital or operational budgets for resiliency planning or tracking progress. However, staff is currently oriented to LEAN practices, trained to facilitate problem solving, and encouraged to volunteer ideas for improvement in any area—these suggestions are often related to sustainability. Such activities are integrated into operations as staff adheres to adopted policy and implements the CIP. Public Works staff is currently leading the effort to document and measure.

RECOMMENDATION: Staff recommends progressing as indicated above.

MOTION: N/A

Reporting on R2012-11: Greenhouse Gas Emission Reduction Policy

(Includes mitigating the impacts of the City's activities on the atmosphere and climate)

The following steps shall be taken to reduce greenhouse gas emissions:	***Key Policies***	***Activities 2016-2018***	***Going Forward***
• Maximize the reduction of vehicle miles traveled to the extent feasible. [for gas and diesel vehicles in particular]	✓ Carpooling ✓ Host web-based meetings/ calls ✓ Use of webinars for training	✓ Electronic (tablet) Work Order delivery started 2017 ✓ Van purchased to facilitate carpooling 2017	✓ Use Asset Management to plan site visits ✓
• Endeavour to limit resources required to conduct business, including electricity and structures.	✓ Conserve electricity ✓ Minimize waste ✓ Keep up with O&M and repairs	✓ Consolidation of offices into new Civic Center 2015 ✓ Started using Asset Management to track maintenance and replacement schedules ✓ Use of goats for stormwater pond maintenance 2018 ✓ Installed recycling bins at Civic Center and Guy Cole 2018	✓ Promote smart waste management, esp. food waste and recycling going to landfill (reduce by 10% by 2021) ✓ Set zero-waste goals ✓
• Minimize the use of printed materials to the extent feasible.	✓ Record scanning ✓ Website used to distribute information ✓ Email, social media used for announcements, outreach	✓ Website upgraded 2018 ✓ Use of invoice cloud for water and sewer bills (# customers: Paperless = 761, AutoPay = 559, Registered = 1,292, & Pay by Text Registered = 98) ✓ Implemented on-line bill pay for many City bills ✓ Project RECMAN 2018 ✓ Use of shredding bins Civic-Center-Wide ✓ Use of tablets for Work Orders ✓ Council Devices allow for non-printable agenda packets 2018	✓ Continue to increase use of electronic documents ✓

The following steps shall be taken to reduce greenhouse gas emissions:	***Key Policies***	***Activities 2016-2018***	***Going Forward***
• Promote reduction of energy consumption in buildings and infrastructure to the extent feasible.	✓ Civic Center is LEED Gold ✓ Conserve electricity is culture	✓ WRF lights all changed to LED and auto timers; parking lot lights in progress now ✓ WRF digester upgraded to save energy 2017	✓ Promote relevant policies ✓ Study energy efficiency measures for all facilities ✓
• Promote and support the generation and use of alternative energy.	✓ State goal to expand use of zero-emission vehicles, aiming for 10% of new vehicle purchases by 2016 ✓ State law to fuel publicly owned vehicles, vessels and construction equipment with electricity or biofuel *to the extent practicable* by June 2018	✓ Pursuing Level 2 EV charging stations (partnering with PUD) ✓ Exploring partnerships for Level 3 EV charging for Olympic Loop ✓ Pursuing rooftop solar grants 2018 ✓ Speed feedback signs now solar 2017 ✓ Flag pole lights now solar 2018 ✓ Outdoor work lighting now using electric balloon lights vs. generator	✓ Install rooftop solar ✓ Continue fleet replacement with non-fossil fuel options ✓ Consider propane vehicles ✓
• Encourage the reduction of consumption of fossil fuels—associated with equipment procurement to the extent feasible, for example.	✓ Buy Local is practiced when possible	✓ Replaced gasoline "mule" vehicle for internal transport at WRF with EV 2017 ✓ Replaced Janitor's van with EV 2018 ✓ Fleet conversion underway ✓ Truck set up to allow flashers to run off battery vs. idle	✓
• Promote and support development patterns that encourage compact and transit-friendly communities and protect natural resources.	✓ Transportation Plan 2013 ✓ Comp Plan 2016	✓ Comp Plan amendments 2018 ✓ Zoning Code amendments 2018 ✓ Business Blitz provided support to downtown and in-City storefronts 2017 ✓ Complete Streets policy underway 2017	✓ Planned Residential Development (PRD) ordinance ✓

The following steps shall be taken to reduce greenhouse gas emissions:	***Key Policies***	***Activities 2016-2018***	***Going Forward***
• Incorporate natural drainage features and low-impact development practices to the extent feasible.	✓ Storm & Surface Water Plan adopted 2016 ✓ Ecology 2012-14 stormwater design manual adopted 2016	✓ Outreach on state design manual 2016	✓ Outreach to private facility owners ✓ Facilitate LID for developers ✓
• Manage street lighting needs by encouraging lighting standards and using lamps that will assure safe and effective illumination at minimum cost and energy use to the extent feasible.	✓ Conversion to LED started in 2013	✓ Street lighting converted to LED (finished in 2016)	✓
• Consider purchasing practices and standards to support reductions in GHG emissions, including preferences for energy-efficient office equipment and the use of recycled material and manufacturers that have implemented green management practices.	✓ Minimize use of toxics for maintenance of vegetation ✓ Eliminate use of toxics near water bodies	✓ Asphalt recycled/ reused as base layer in street projects ✓ Backfill from utility trenches screened and reused ✓ All janitor's cleaning products are non-toxic ✓ Liquid road salt (MgCl) used for ice prevention, produces less salt runoff	✓ Cross-training matrix proposed for field crew improves resiliency ✓
• Promote and encourage safe and convenient access for pedestrians and bicyclists.	✓ Transportation Plan 2013 ✓ Comp Plan 2016	✓ Bicycle Friendly Community designation 2014, 2018	✓ Adopt Complete Streets Policy ✓ Build Bell Creek greenway trail ✓
• Promote and encourage programs and policies to increase the use of recycled water.	✓ NPDES permit allows RW use in Bell Creek, Reuse Park, irrigation at WRF, wash water, etc. and biosolids reuse as soil amendments	✓ Bell Creek augmentation/farm irrigation during 2015 drought ✓ Rapil Infiltration Basin study 2018 ✓ Toilets in new Civic Center ✓ Engaged in RW rule development 2017-18	✓ Renewing permit in 2019 to include expanded uses during drought ✓

Reporting on R2016-16: Improving the City's Sustainability and Resiliency

(Includes adapting to and preparing for impacts from climate change and emergencies)

City staff is directed to utilize pertinent resources and implement the following strategies:	***Key Policies***	***Activities 2016-2018***	***Going Forward***
1. Ensure the next Comp Plan update includes goals for infrastructure resilience and climate change mitigation in the areas of transportation, solid waste, water/wastewater/stormwater, buildings, parks, clean air, and local food availability	✓ Comp Plan 2016	✓ Water 2100 internal work group underway ✓ CERB planning grant covered Bell Creek EOA 2017-18 ✓ Human Services Summit included food security 2018	✓ Comp Plan update due 2022 ✓ Technology adaptation plan ✓
2. Ensure that infrastructure resilience and climate change mitigation are integrated, during regularly-scheduled updates, into all Master Plans, Capital Improvement Program, land use and development plans, Emergency Management Plan, and Hazard Mitigation Plan	✓ Transportation MP 2013 ✓ Water and Sewer MPs 2014 ✓ Stormwater MP 2016 ✓ CIP updated, implemented every year ✓ Parks MP 2015 ✓ Shoreline Mgmt Plan 2012	✓ NOP Emergency Mgmt group underway ✓ County-wide Hazard Mitigation Plan underway 2018 ✓ Water rights and water supply development projects underway 2017 ✓ Asset management tools utilized starting 2017 ✓ Fencing of wellhead areas 2018	✓ Emergency Preparedness Plan ✓ Transportation MP due 2019 ✓ Water and Sewer MPs due 2022 ✓ Stormwater MP due 2022 ✓ CIP updated every year ✓ Parks MP Update ✓ Shoreline Master Plan due 2020 ✓
3. Forge partnerships with local and regional stakeholders concerning climate preparedness and in tracking emerging issues	✓ Emergency Management coordination underway ✓ City at table on Salmon Recovery group, Marine Resources group, Dungeness River Management Team, Clean Water Work Group, Strait LIO (Puget Sound water quality) ✓ City at table on Solid Waste Advisory Committee and Joint Solid Waste Advisory Board ✓ City at table on Peninsula RTPO	✓ Dungeness Off-Channel Reservoir planning group started 2014 ✓ Interlocal agreement with irrigators re maintenance of conveyance system 2016 ✓ Agreement with Clallam County for Carlsborg sewage treatment 2017	✓ Agreement with JSKT for sewage treatment underway 2018 ✓ Pursue local hospital ✓ ID more partnerships ✓

City staff is directed to utilize pertinent resources and implement the following strategies:	***Key Policies***	***Activities 2016-2018***	***Going Forward***
4. Build on existing networks and channels to educate City staff and residents on adaptation and resiliency	✓ 7 City Neighborhoods designated 2017	✓ NOP Emergency Management group started 2017 ✓ Tree City started 2016 ✓ Sequim Bicycle Alliance 2017 ✓ Water Matters column 2015 ✓ League of Women Voters Water Study Group for Dungeness, 2017 ✓ Human Services Summit 2018	✓ Use website and newsletter ✓ Neighborhood improvement plan ✓ ID more partners ✓
5. Set measurable objectives for mitigation as well as preparedness (for example, a measurement method for emissions is necessary to know whether a reduction has occurred since passing R2012-11)	✓ Existing programs for monitoring water levels, stormwater input to WRF, ✓ Measure water use, drinking water quality, RW generated and used, other	✓ Qualitative tracking of activities started 2016 ✓ Key Performance Indicators project started 2018	✓ Start tracking emissions quantitatively ✓
6. Ensure that annual City budgets appropriately support these objectives	✓ Annual budgeting process includes all departments and City Manager ✓ Conservative budgets provide financial resiliency	✓ Annual Operations budget ✓ Annual Capital budget funds CIP and TIP projects each year	✓
7. Report to Council every two years, at minimum, on progress in each of the above strategic areas, using cross-referencing among existing plans as a way to avoid inefficiency or duplication of effort		✓ First report Dec. 2018	✓ Report again in 2020
***In particular, resources from:** • Municipal Research and Services Center (MRSC) • Association of Washington Cities (AWC) • American Planning Association Washington Chapter (APA-Wa) • American Public Works Association's Center for Sustainability • NOP RC&D's 2015 report on Climate Preparedness • Washington State's 2012 Integrated Climate Response Strategy		**Additional resources identified:** ✓ C40 Cities ✓ US Climate Resilience Toolkit ✓ ICLEI ✓ Institute for Local Govt (CA) ✓ Climate Mayors ✓ Climate Impacts Group ✓ Tracking GHG emissions [various models]	

Climate Change in the Dungeness River

A QUICK REFERENCE GUIDE FOR LOCAL DECISION-MAKERS

+22%

RAIN INTENSITY

Increase in intensity of 24-hour rain events west of the Cascades by the 2080s. (+5 to +34%)

+5 days

STORM FREQUENCY

Increase in # days/year with heaviest 24-hour rain events west of the Cascades. Projected to go from 2 days currently to 7 days by the 2080s. (+2 to +7 days)

-22%

SUMMER PRECIPITATION

Decrease in total summer precipitation in Puget Sound by the 2050s. (-2% to -50%)

Rain dominant

DOMINANT PRECIPITATION

The Dungeness Basin should transition from a mixed rain and snow to a rain dominant system.

-29%

SPRING SNOWPACK

Loss of snowpack for all mountains draining into Puget Sound by the 2040s. (-4% to -47%)

15 days earlier

STREAMFLOW TIMING

Change in timing of peak spring flows by the 2080s. (6 to 35 days earlier)

+55%

STREAMFLOW 100-YEAR FLOOD

Increase in streamflow volume by the 2080s. (+20 to +116%)

-35%

STREAMFLOW 10-YEAR MINIMUM

Decrease in the lowest summer streamflow volume (7Q10 flows) projected by the 2080s. (-27 to -45%)

+8”

SEA LEVEL RISE

Projected sea level rise for the Dungeness delta by the 2050s. (+2 to +14 in.)

+2.6 °F

STREAM TEMPERATURE

Increase in mean August water temperature by the 2040s.

0 miles

RIVER MILES EXCEEDING SALMON THERMAL TOLERANCES

River miles with average August temperatures above 64°F projected by the 2040s.

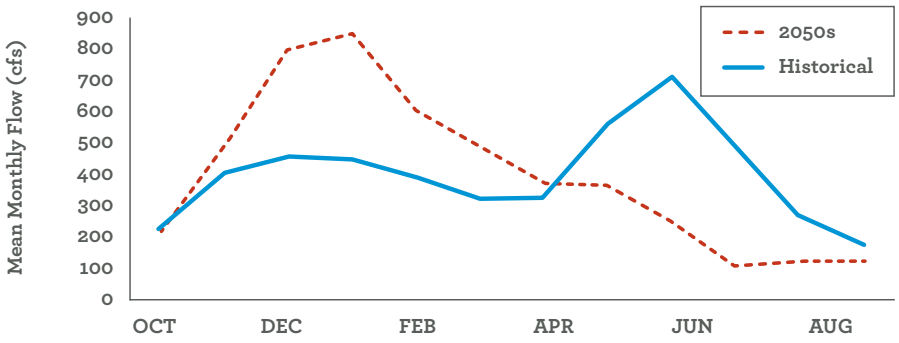
+800 GDD

GROWING DEGREE DAYS (GDD)

Increase in number of growing degree days—accumulated heat over the growing season—by the 2050s. (+500 to +1300°F days)

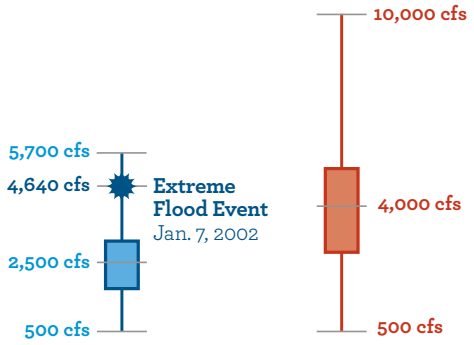
DUNGENESS RIVER NEAR SEQUIM

MONTHLY FLOWS



Peak flows of the Dungeness River shift from the historical peak in June to a peak in January by mid-century.

PEAK ANNUAL FLOWS



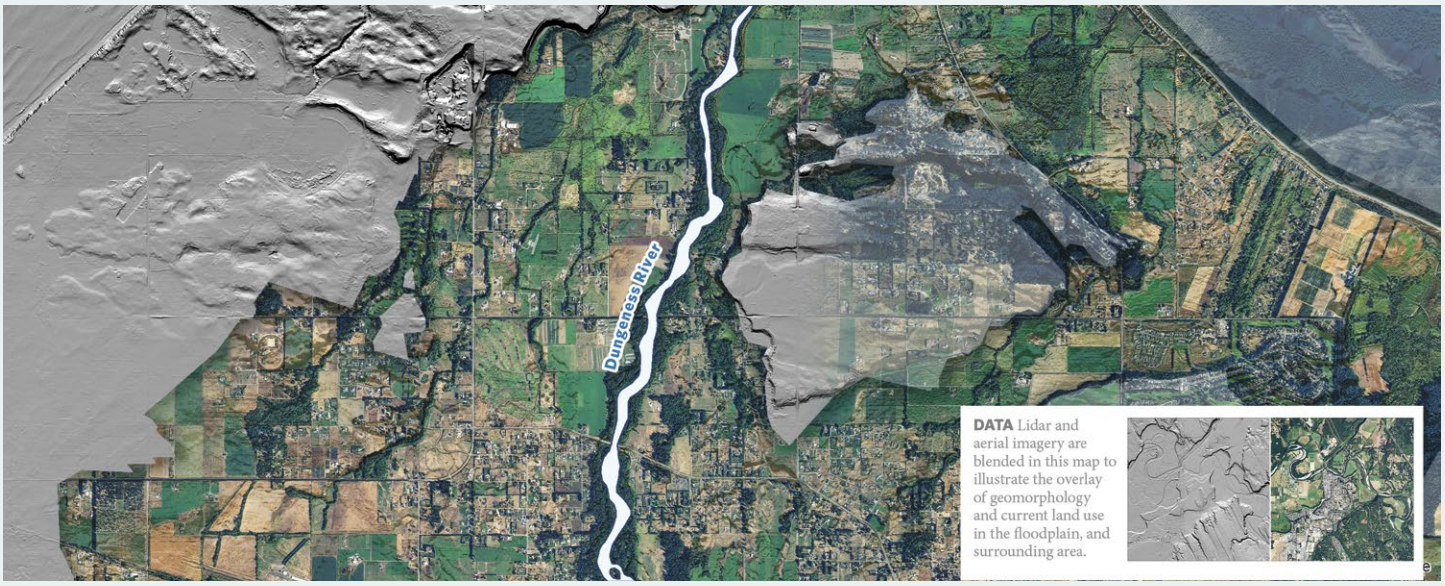
Mean peak flows and minimum/maximum ranges **observed (1950-2017)** and projected for **future (2050s)**.

Floodplains by Design · REDUCING RISK, RESTORING RIVERS ·

The Nature Conservancy Washington

CLIMATE IMPACTS GROUP

** The data presented summarize mean values from multiple independent studies; reference dates and more details are provided in the **State of Knowledge: Climate Change in the Puget Sound** Report (Mauger et al., 2015). All projections are based on a high emissions scenario (RCP 8.5), except for snowpack, streamflow, and stream temperature estimates which used moderate emissions scenario (A1B).*



The Dungeness Estuary Will Continue to See Increases in Sea Level

- Continued sea level rise will increase the extent, depth and duration of coastal flooding and accelerate erosion along the shoreline. It will also permanently inundate low-lying areas.
- In 30 years, there is a 90% probability that sea level will rise at least 0.3 ft at the mouth of the Dungeness River, if greenhouse gas emissions continue to rise at a rapid pace.
- Although storm surge and waves are not expected to get bigger, higher sea level means that the same storm events would result in higher water levels and more damage.

Rain Storms are Expected to Become More Frequent and Severe

- Atmospheric rivers will bring more rain. **Preliminary research** suggests that the 2-year extreme in hourly rain intensity could increase by +4% over the next 30 years.
- Heavier rain events could exceed the capacity of urban stormwater systems, culverts, and drainage ditches that are not designed to accommodate projected increases in rain intensity.

Flooding to Become More Frequent and Severe

- The Dungeness Valley will see increased winter flooding, due to a combination of more severe rainstorms, sea level rise, and earlier peak flows, as winter snowpack declines.
- Increasing temperatures could drive a shift from snow to rain, leading to less snow accumulation and greater peak streamflows in winter.
- Sea level rise, heavier rainstorms, and increased winter streamflows would all combine to make floods bigger and more frequent.

REFERENCES

Mauger, G.S., J.H. Casola, H.A. Morgan, R.L. Strauch, B. Jones, B. Curry, T.M. Busch Isaksen, L. Whitely Binder, M.B. Krosby, and A.K. Snover, 2015. State of Knowledge: Climate Change in Puget Sound. Report prepared for the Puget Sound Partnership and the National Oceanic and Atmospheric Administration. Climate Impacts Group, University of Washington, Seattle. doi:10.7915/CIG93777D. Available at https://cig.uw.edu/resources/specialVreports/psVsok/

Mastin, M.C., Konrad, C.P., Veilleux, A.G., and Tecca, A.E., 2016, Magnitude, frequency, and trends of floods at gaged and ungaged sites in Washington, based on data through water year 2014 (ver 1.1, October 2016): U.S. Geological Survey Scientific Investigations Report 2016–5118, 70 p., http://dx.doi.org/10.3133/sir20165118.

Miller, I.M., Morgan, H., Mauger, G., Newton, T., Weldon, R., Schmidt, D., Welch, M., Grossman, E. 2018. Projected Sea Level Rise for Washington State – A 2018 Assessment. A collaboration of Washington Sea Grant, University of Washington Climate Impacts Group, Oregon State University, University of Washington, and US Geological Survey. Prepared for the Washington Coastal Resilience Project. http://www.wacoastalnetwork.com/washington-coastal-resilience-project.html

Isaak, D.J.; Wenger, S.J.; Peterson, E.E.; Ver Hoef, J.M.; Hostetler, S.W.; Luce, C.H.; Dunham, J.B.; Kershner, J.L.; Roper, B.B.; Nagel, D.E.; Chandler, G.L.; Wollrab, S.P.; Parkes, S.L.; Horan, D.L. 2016. NorWeST modeled summer stream temperature scenarios for the western U.S. Fort Collins, CO: Forest Service Research Data Archive. https://doi.org/10.2737/RDS-2016-0033. Interactive Viewer available online at https://www.fs.fed.us/rm/boise/AWAE/projects/NorWeST.html.

Resolution No. R-2012-11

A Resolution of the City Council of the City of Sequim, Washington establishing a Greenhouse Gas Emission Reduction Policy

WHEREAS, state, regional, and local governments throughout the United States are adopting energy conservation programs and policies; and

WHEREAS, the Washington State Legislature has established RCW 70.235 to direct the Washington State Department of Ecology to develop a response strategy to assist the state and local governments in preparing and adapting to impacts from climate change by limiting greenhouse gas emissions; and

WHEREAS, the Washington State Department of Ecology is taking steps to assure climate change considerations are incorporated into environmental review under the State Environmental Protection Agency (SEPA) Checklist and have established a Climate Advisory Team to clarify SEPA rules to include climate issues; and

WHEREAS, RCW 70.235 requires that when distributing capital funds through competitive programs for infrastructure and economic requires all state agencies consider whether the entity receiving the funds has adopted policies to reduce greenhouse gas emissions; and

WHEREAS, the City Council finds the adoption of this resolution to be in the public's interest;

NOW, THEREFORE, be it resolved by the City Council of the City of Sequim as follows:

1. The City of Sequim does hereby adopt the Greenhouse Gas Emission Reduction Policy in attached Exhibit A.

Adopted by the City Council this 24th day of Sept, 2012.

Ken Hays

Ken Hays, Mayor

ATTEST:

Karen Kuznek-Reese, MMC, City Clerk

APPROVED AS TO FORM:

Craig A. Ritchie, City Attorney

Exhibit A
City of Sequim
Greenhouse Gas Emission Reduction Policy

In conducting the business of the City of Sequim, the following steps shall be taken to reduce greenhouse gas emissions:

- Maximize the reduction of vehicle miles traveled to the extent feasible.
- Endeavour to limit resources required to conduct business, including electricity and structures.
- Minimize the use of printed materials to the extent feasible.
- Promote reduction of energy consumption in buildings and infrastructure to the extent feasible.
- Promote and support the generation and use of alternative energy.
- Encourage the reduction of consumption of fossil fuels associated with equipment procurement to the extent feasible.
- Promote and support development patterns that encourage compact and transit-friendly communities and protect natural resources.
- Incorporate natural drainage features and low-impact development practices to the extent feasible.
- Manage street lighting needs by encouraging lighting standards and using lamps that will assure safe and effective illumination at minimum cost and energy use to the extent feasible.
- Consider purchasing practices and standards to support reductions in GHG emissions, including preferences for energy-efficient office equipment and the use of recycled material and manufacturers that have implemented green management practices.
- Promote and encourage safe and convenient access for pedestrians and bicyclists.
- Promote and encourage programs and policies to increase the use of recycled water.

City of Sequim, Washington
Resolution No. R2016-16

A RESOLUTION ADOPTING POLICIES THAT IMPROVE THE CITY'S SUSTAINABILITY AND RESILIENCY

Whereas, water, waste water, surface water, transportation, energy, and waste management are essential elements for healthy communities and healthy economies;[1] and

Whereas, the City Council recently adopted goals that pertain to each of these elements; and

Whereas, the *Alliance for Innovation* identified Resources as one of four "Next Big Things" driving 44 trends, with six trends related to resources: climate change, food insecurity, water shortages/access, energy grid disruption, mining, and the NORC shift (migration away from tropical zones toward higher latitudes); and

Whereas, North Olympic Peninsula Resource Conservation & Development Council (NOP RC&D) studied vulnerabilities and risks associated with impacts of climate change and presented a "Preparedness Plan for the North Olympic Peninsula" with adaptation strategies at Study Session in November 2015.

1. City staff and Council members participated in workshops resulting in the RC&D plan;
2. Particular vulnerabilities identified for Sequim include water supplies, storm intensity, public health, and risk awareness;
3. At Council's request, City staff reviewed adaptation strategies in the plan;
4. Staff agrees that several preparedness strategies are relevant to the City; and

Whereas, Washington State published "Preparing for a Changing Climate: Washington State's Integrated Climate Change Response Strategy," outlining actions to protect human health, safeguard infrastructure and transportation systems, improve water management, reduce losses to agriculture and forestry, protect sensitive and vulnerable species, and support communities by involving the public; and

Whereas, RCW 70.235.070 makes a greenhouse gas emission reduction policy (such as R2012-11) a prerequisite in getting capital development funding from the state and, increasingly, an adopted climate action plan is also required or provides an advantage in winning grants and loans; and

Whereas, much of the task of responding to impacts from climate change has fallen to local governments and is best accomplished in conjunction with local businesses and citizens; and

Whereas, sustainable cities address the "triple bottom line," ensuring an environmentally, socially, and economically healthy and resilient community for existing populations, without compromising the benefits to future generations;[2] and

Whereas, resilient cities are prepared to absorb and recover from stresses while maintaining their essential functions, structures, and identity, adapting and thriving in the face of continual change; [3] and

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[1] Paul Roberts, President, Association of Washington Cities Board of Directors, remarks at AWC Annual Conference, Wenatchee, June 26, 2015

[2] American Public Works Association Center for Sustainability: http://www.apwa.net/centerforsustainability

[3] ICLEI (International Council for Local Environmental Initiatives) – Local Governments for Sustainability webpage: http://www.iclei.org/agendas.html

Whereas, building resilience to impacts from climate change is not an emergency, however, it prevents periodic events from becoming emergencies. Resilience includes health and safety as well as the economy, and better resilience fosters economic investment;[4] and

Whereas, measurable objectives are needed to assess progress and efficiency; and

Whereas, the City is actively working to ensure adequate water supplies in the future given expected changes in local precipitation patterns (the portion that is rain is increasing, the portion that is snow is decreasing); and

Whereas, the City has a strong mix of water resources to work with including reclaimed water, the ability to recharge groundwater, the potential ability to conserve water, irrigation system water rights, River water rights, and well water rights; and

Whereas, messaging is important when it comes to climate preparedness and the City has resources in place for education and outreach.

Now, therefore, be it resolved that City staff is directed to utilize pertinent resources, particularly those from Municipal Research and Services Center (MRSC), Association of Washington Cities (AWC), American Planning Association Washington Chapter (APA-Wa), American Public Works Association's Center for Sustainability, NOP RC&D's 2015 report on climate preparedness, and Washington State's 2012 climate response strategy, and implement the following strategies:

1. Ensure the next Comp Plan update includes goals for infrastructure resilience and climate change mitigation in the areas of transportation, solid waste, water/wastewater/stormwater, buildings, parks, clean air, and local food availability;
2. Ensure that infrastructure resilience and climate change mitigation are integrated, during regularly-scheduled updates, into all Master Plans, Capital Improvement Program, land use and development plans, Emergency Management Plan, and Hazard Mitigation Plan;
3. Forge partnerships with local and regional stakeholders concerning climate preparedness and in tracking emerging issues;
4. Build on existing networks and channels to educate City staff and residents on adaptation and resiliency;
5. Set measureable objectives for mitigation as well as preparedness (for example, a measurement method for emissions is necessary to know whether a reduction has occurred since passing R2012-11);
6. Ensure that annual City budgets appropriately support these objectives;
7. Report to Council every two years, at minimum, on progress in each of the above strategic areas, using cross-referencing among existing plans as a way to avoid inefficiency or duplication of effort.

Adopted by the City Council this 25th day of July, 2016.

Dennis L Smith

Dennis Smith, Mayor

ATTEST:

Karen Kuznek-Reese, MMC
City Clerk

APPROVED AS TO FORM:

Kristina Nelson-Gross
City Attorney

[4] Smart Growth America: http://www.smartgrowthamerica.org/