

# 2019 Community Resiliency Investment Program FireSmart Community Funding & Supports Application Form

Please complete and return the application form by <u>December 7, 2018</u>. All questions are required to be answered by typing directly in this form. If you have any questions, contact <u>cri-swpi@ubcm.ca</u> or (250) 356-2947.

SECTION 1: Applicant Information	CRI- (administrative use only)				
Local Government or First Nation: Fraser Valley Regional District (FVRD)	Complete Mailing Address: 45950 Cheam Ave, Chilliwack, BC, V2P 1N6				
Contact Person: Reg Dyck	Position: Manager of Electoral Area Emergency Services				
Phone: 604-702-5028	E-mail: rdyck@fvrd.ca				

\* Contact person must be an authorized representative of the applicant.

SE	SECTION 2: For Regional Projects Only					
1.	1. Identification of Partnering Communities. For all regional projects, please list all of the partnering eligible applicants included in this application. Refer to Section 3 in the Program & Application Guide for eligibility.					
	Not applicable					
SE	CTION 3: Project Summary					
2.	Name of the Project:					
	2019 Community Wildfire Protection Plans for Fraser Valley Regional District Zone A, Zone B, and Zone C					
3.	Fire Centre (use check boxes). Indicate which Fire Centre the proposed activities are located					

 Cariboo Fire Centre
 Coastal Fire Centre
 Kamloops Fire Centre
 Kamloops Fire Centre
 Southeast Fire Centre

4. Project Cost & Grant Request:
Total Project Cost: \$100,000.00 Total Grant Request: \$89,165.63 Have you applied for or received funding for this project from other sources? If yes, please provide details below.

not applicable

5. Project Summary. Please provide a summary of your project in 150 words or less.

A CWPP is proposed to be developed for each of three AOIs (Zone A, B and C) within the FVRD (three CWPP documents). Due to the large area and scope of planning, individual interface polygons were grouped, for administrative and operational purposes, into the three Zones. The AOIs are inclusive of communities, but exclusive of member municipalities and Indian Reserves, as follows:

Zone A includes Electoral Areas A and B and the communities of Boston Bar, North Bend, Canyon Alpine, Chaumox, Boothroyd, Chapmans, Hells Gate, Sunshine Valley, Laidlaw, Ruby Creek, Othello, Haig, Choate, Dogwood Valley, Squeah, Yale, and Spuzzum.

Zone B includes Electoral Areas C, F and G, and the communities of Lake Errock, Bear Creek, Silver River, Durieu, Miracle Valley, Williams Landing, Dewdney, and Deroche.

Zone C includes Electoral Areas D, E and H and the communities of Bridal Falls, Popkum, Slesse Park, Lindell, Lindell Beach, and Cultus Lake.

The project will assess wildfire risk and threat for the aforementioned communities and rural residential areas, with a 2km spotting buffer, and will provide strategies for addressing wildfire risk within and surrounding these communities.

### **SECTION 4: Requirements for Funding**

6. Community Wildfire Protection Plan (or other plan). As outlined in Section 3 of Program & Application Guide, in order to be eligible for funding, applicants must have a current and acceptable CWPP or other acceptable plan that includes assessment and identification of FireSmart priorities.

Please outline how your community meets this requirement. Note: applicants that do not have a current and acceptable plan may apply to develop or update a plan.

The FVRD does not have a current CWPP and submits this application to develop a 2019 CWPP.

If not funded under the Strategic Wildfire Prevention Initiative, attach completed plans, and/or assessments, or excerpts from higher-level plans, with the application form.

7. Consultation in Advance of Submitting an Application. In order to qualify for funding, applicants must consult with a BCWS Wildfire Prevention Officer and/or a FNESS Fuel Management Liaison/Specialist regarding the proposed project prior to submitting an application.

BC Wildfire Service. Contact person: Tony Botica, Wildfire Prevention Officer, Coastal Fire Zone (consultation also occurred with Peter Ronald of the UBCM) First Nations' Emergency Services Society. Contact person:

### SECTION 5: Wildfire Risk & Rationale

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8.	<b>Wildfire Risk.</b> What is the wildfire risk in your community? This may be evidenced by a wildfire risk class of 1, 2 or 3 for the general area of interest (refer to Appendix 1 of the Program & Application Guide) or local level plan or other information with ground data that shows wildfire threat in proximity to values at risk within and around the community.					
	Provide specific evidence of wildfire risk (e.g. WUI polygon name from risk class map, reference to appropriate section of a CWPP or other plan, etc.) in your response.					
	AOIs for the three Zones A, B and C (identified in the attached map) span numerous communities located in coastal and interior/transitional ecosystems. Using the Wildland Urban Interface Risk Class Maps, the fire threat rating for communities within coastal ecosystems is predominantly moderate (classes 4-6) with pockets of high and extreme fire threat rating (7-10). The communities located in interior/transitional ecosystems are predominantly high to extreme fire threat rating (7-10) with some pockets of moderate fire threat rating (5-6).					
	According to the BC Wildfire Service Wildland Urban Interface Risk Class Maps, the AOIs are located in the following WUI polygons (WUI P):					
	Zone A: Hope Risk Class:2, Sunshine Valley Risk Class: 2, Dogwood Valley Risk Class: 2, Yale Risk Class: 4, Boston Bar Risk Class: 1, and Boothroyd Risk Class: 1 (higher risk of wildfire, may apply for grant of up to \$100,000).					
	Zone B: Chilliwack Risk Class:4, Hemlock Valley Risk Class:2, and Williams Landing Risk Class:5 (lower risk class, may apply for grant of up to \$25,000).					
	Zone C: Chilliwack Risk Class:4, Popkum 1 Risk Class: 4, and Laidlaw Risk Class: 4 (lower risk class, may apply for grant of up to \$25,000).					
	For the purpose of CRI FireSmart Community Funding & Supports grants, identify the risk category that you are applying under:					
$\boxtimes$ Lower risk of wildfire (may apply for grant up of to \$25,000)						
	Higher risk of wildfire (may apply for grant of up to/exceeding \$100,000)					
9.	<b>Other Rationale.</b> What other rationale or evidence is there for undertaking the proposed project? This may include local hazards identified in the Emergency Plan; threat levels identified in Hazard Risk & Vulnerability Analysis and/or other risk assessments; demonstrated history of repeated and/or significant interface wildfires and evacuations; or other rationale.					
	Recent wildfires have demonstrated the wildfire hazard and interface fire potential in the region. Some examples of most recent and notable fires include the following: the 427 ha Mt. Hicks fire in the District of Kent (2018), the Slollicum Creek fire just north of Sasquatch Provincial Park (2017, over 94 ha burned), and a 195 ha wildfire on the east shore of Harrison Lake near Silver River (2017). Additionally, in 2016, an interface wildfire on the west side of the Fraser River across from Boston Bar resulted in property damage. In 2018 an interface wildfire started along Highway 3 near the Hope Slide and community of Sunshine Valley, resulting in temporary closure of the highway. The Mt. Hicks interface fire (a human caused ignition originating from Highway 7) burned for several weeks and resulted in the closure of Lougheed Highway, which connects many Fraser Valley communities. Access and evacuation vulnerabilities are present in many locations throughout the AOIs. Specifically, vulnerability related to the single egress route for communities on the east shore of Harrison Lake has been identified as per the District of Kent OCP, Section 7.5: Emergency Program Planning (identified specifically for the District of Kent, but applicable to rural resiential developments further north in the FVRD). Access and evacuation routes for numerous other communities within the proposed AOIs are vulnerable in the event of wildfire emergencies, including those within the Highway 1 (particularly in the Fraser Canyon), Harrison West FSR, and Highway 3 access corridors. Emergency access and					

evacuation is also challenging for rural/residential areas with boat access only (east shore of Pitt Lake). The vulnerability of communities is further exacerbated by large areas of intermix and interface residential development.

Evidence of other rationale (e.g. Local Authority Emergency Plan extract, copies of assessments, etc.) is required to be submitted with the application form.

#### **SECTION 6: Detailed Project Information**

- **10. Proposed Activities.** Please refer to Section 4 of the Program & Application Guide for eligibility and complete Worksheet 1: Proposed Activities & Budget.
- **11.** Partnerships & Collaboration. Please identify any other authorities you will collaborate with on the proposed project (e.g. community or resident organization, First Nation or Indigenous organization or other local government) and outline how you intend to work together.

The FVRD meets with many First Nations, community organizations and other local municipalities. During the course of the development of the CWPP and bringing this subject forward during upcoming meertings and discussions with these groups, collaborative projects could be coordinated as this would be the most cost effective and mutually beneficial way to accomplish these projects. The first step towards shared future prescription and fuel treatmment planning and programs is to develop a FVRD CWPP.

**12. Additional Information.** Please share any other information you think may help support your submission.

Member municipalities and First Nations have been netted out of the AOI for administative, jurisdictional and capacity considerations. Municipalities, as local governments, have the jurisdiction, resources and capacity to independantly apply for funding and implement wildfire risk reduction activities (including CWPPs). In order to provide the greatest service within existing capacity, the FVRD will focus CWPP development on areas outside of municipal jurisdiction. However; the FVRD is committed to working with municipalities on future works resulting from municipal or FVRD CWPP recommendations in areas of jurisdictional overlap. This will include agreement on grant management and implement wildfire risk reduction planning and activities on Indian Reserves. This FVRD CWPP project is a starting point for future and ongoing collaboration in wildfire risk reduction with First Nations and municipalities within the FVRD electoral areas.

Within the region, this project will complement affiliated CWPPs that have been developed or are currently in development by other jurisdictions or agencies, including but not limited to some of the following: the District of Kent, the Village of Harrison Hotsprings, Abbotsford, the District of Mission, Seabird Island Band, Boston Bar First Nation, Cultus Lake Parks Board, Shxw'owhamel First Nation, Shxwa:y Village, and Spuzzum First Nation. A review of these documents as/if available will identify synergistic project opportunities and avoid contradicting recommendations.

#### **SECTION 7: Application Check List**

Required Submissions Related Attachments						
Application Form	Completed plans, and/or assessments, or exc from higher-level plans as required in Q. 6					
	Other rationale as requi	red in Q. 9				
Completed Worksheet 1: Proposed Activities & Budget	FireSmart Assessments demonstration projects	s for structures proposed for as required in Q. 7				
For fuels management activities only: Completed Worksheet 2: Proposed     Evel Management Activities		area of interest, proposed tatus and tenure overlaps.				
Fuel Management Activities	Wildfire threat assessment information for the proposed treatment unit(s)					
	For fuel management tr completed prescription project boundary spatia					
	land only: email from la	eatment on Provincial Crown nd manager indicating n First Nations has been				
Council, Board or Band Council resolution, indicating support for the current proposed activities and willingness to provide overall grant management		of application. This ht to the next FVRD Board rected to pass as the Board				
For regional projects only: Council, Board or Band Council resolution, from each partnering community that clearly states approval for the applicant to apply for, receive and manage the grant funding on their behalf						
Submit the completed Application Form and all required attachments as an e-mail attachment to <u>cri-swpi@ubcm.ca</u> and note "2019 CRI" in the subject line. Submit your application as either a Word or PDF file(s). If you submit by e-mail, hardcopies and/or additional copies of the application are not required.						
<b>SECTION 8: Signature.</b> Applications are required to be signed by an authorized representative of the applicant. Please note all application materials will be shared with the Province of BC and the BC FireSmart Committee.						
I certify that: (1) to the best of my knowledge the approved project is within the applicant's						
Name: Reg Dyck	Title: Manager of E Services	Electoral Area Emergency				

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Signature:	Date:
An electronic or original signature is required.	



# 2019 Community Resiliency Investment Program FireSmart Community Funding & Supports Worksheet 1: Proposed Activities & Budget

This worksheet is required to be completed for all applications.

Please complete and return the worksheet with the full FireSmart Community Funding & Supports application package. If you have any questions, contact <u>cri-swpi@ubcm.ca</u> or (250) 356-2947.

#### Instructions:

In Section 2 below, indicate the proposed activities, cost-estimate, outcomes and performance measures for each of the eligible activities (as identified in Table 1 of Section 4 of the Program & Application Guide) that you plan to undertake.

**Cost Estimate:** Provide a cost estimate for each proposed activity. Include information on how cost estimates were developed (i.e. estimated days of work, hourly/daily rates and types of equipment and estimated hours of use)

**Proposed Outcomes**: Provide information on the expected outcome of each proposed activity and list any policies, practices, plans or documents that will be developed or amended as a result of your project. As noted in the Program & Application Guide, higher application review scores will be given to projects that clearly increase community resiliency by undertaking community-based FireSmart planning and activities that reduce the community's risk from wildfire

**Proposed Performance Measures:** Indicate how the proposed activities will be evaluated, including the specific performance measures that will be used.

## **Worksheet 1: Proposed Activities & Budget**

SECTION 1: Applicant Information	CRI-	(for administrative use only)
Local Government or First Nation: Fraser Valley Regional District (FVRD)		et: 2019 Community Wildfire s for Fraser Valley Regional District 3, and Zone C

#### SECTION 2: Proposed Activities

#### 1. Education.

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as target attendance and/or number of hours at educational activities, Wildfire Community Preparedness Day and any FireSmart events; estimated completion date of application for FireSmart Canada Community Recognition:

#### 2. Planning

Proposed activities: CWPPs are proposed to be developed for 3 separate areas of interest (AOIs): Zone A (45,589 ha), Zone B (46,107 ha), and Zone C (24,406 ha), within the Fraser Valley Regional District. These AOIs are illustrated in the attached map. The total combined area to be assessed is 116,102 ha. The AOIs encompass the communities listed in Section 5 of the Application Form with a 2km spotting buffer, but exclude FVRD member municipalities and Indian Reserves. The following activities will be completed for each Zone:

Consultation - Local Government: consultation with relevant FVRD staff and fire departments including a kick-off meeting, consultation meeting and/or interviews, questionnaires, and synthesis and collation of input.

Consultation - Provincial Government: consultation with MFLNRORD District Manager and/or Land Manager, BC Wildfire Service Wildfire Prevention Officer, and BC Parks for input to the CWPP.

Consultation - Stakeholders: stakeholders as identified will be consulted in developing the CWPP (i.e., forest licensees, woodlot licence holders, utility providers, community representatives, recreational groups, etc.).

First Nations Information Sharing: to be completed as required by the Land Manger and following best practices. This process involves consultation with the MFLNRORD First Nations Advisor and the Consultative Areas Database.

Field Work: including verification and correction of fuel types within the AOIs; identification of hazardous fuel types; collection of Wildfire Threat Assessment worksheets; verification/correction of PSTA threat assessment classes; identification and prioritization of potential treatment areas; evaluation of previously treated areas (as applicable); and identification, review and mapping of infrastructure, values at risk, FireSmart opportunities, and

wildfire response resources.

Office Analysis: including background review (spatial data and applicable local government, ministry or industry and higher-level plans); identification of values; GIS analysis (fuel type updates and corrections, structures, critical infrastructure within the study area) and other office analyses (fire weather data compilation and analysis, local wildfire history, constraints analysis, fire spread patterns).

CWPP Document Development: all sections of the CWPP will be developed in accordance with the latest CRI Program CWPP Template. This includes document revision, consolidating draft reviews, and finalization.

Preparation of Spatial Data and Maps: Preparation of maps, spatial data and metadata to CRI program standards and as per Appendix 4 of the Program & Application Guide.

Presentation of the CWPP to FVRD Board: a PowerPoint presentation will be delivered to the FVRD board allowing for questions and answers and final edits as/if applicable.

Cost Estimate:

Zone A-Staff time and adminstration FVRD estimate at 25 % of consulting costs \$7833.13

Zone B- Staff Time and administration \$653.75 (\$25,000.00 limit)(Further staff and administration costs provided by the FVRD)

Zone C- Staff time and administration \$ 653.75 (\$25,000.00 limit)(Further staff and administration costs provided by the FVRD)

Total \$ 9140.63

Total consultant costs (exclusive of GST) are estimated at \$80,025.00 for all Zones (\$31,332.50 for Zone A., \$24,346.25 for Zone B, and \$24,346.25 for Zone C). The consultant cost breakdown detailed in the table below is inclusive of disbursements and assumes a rate of \$70/hour.

Activity	Zone A		Zone B		Zone C		TOTAL ALL ZONES	
	Hours	Fee	Hours	Fee	Hours	Fee	Hours	Fee
Consultation - Local Government	13.5	\$945.00	14	\$980.00	14	\$980.00	41.5	\$2,905.00
Consultation - BCWS, FLNRORD, BC Parks	7.5	\$525.00	6	\$420.00	6	\$420.00	19.5	\$1,365.00
Consultation - Stakeholders	12	\$840.00	10	\$700.00	10	\$700.00	32.0	\$2,240.00
Information Sharing with First Nations	12	\$840.00	9	\$630.00	9	\$630.00	30.0	\$2,100.00
Field Work	119	\$8,330.00	95	\$6,650.00	95	\$6,650.00	309.0	\$21,630.00
Office Analysis	38	\$2,660.00	31	\$2,170.00	31	\$2,170.00	100.0	\$7,000.00
CWPP Document Development	114	\$7,980.00	93	\$6,510.00	93	\$6,510.00	300.0	\$21,000.00
Preparation of Spatial Data & Maps	64	\$4,480.00	52	\$3,640.00	52	\$3,640.00	168.0	\$11,760.00
Presentation of the CWPP to FVRD Board	14	\$980.00	11	\$770.00	11	\$770.00	36.0	\$2,520.00
Disbursements/ Contractor Costs - transportaton (mileage,water taxi), accomodations, meals		\$3,752.50		\$1,876.25		\$1,876.25		\$7,505.00
TOTAL HOURS	394.0		321.0		321.0		1036.0	
TOTAL PROJECT CONSULTANT COST (EXCLUDING GST)		\$31,332.50		\$24,346.25		\$24,346.25		\$80,025.00

Proposed outcomes: CWPPs completed to the CRI Program standard will provide the FVRD with a strategic plan to prioritize local government resources and capacity in order to proceed with implementation of recommendations including but not limited to fuel treatment prescription development and implementation, FireSmart education, updates/revisions to bylaws and Official Community Plans (OCPs), and implementation of FireSmart activities. Specific local government plans and policies to be reviewed and potentially amended as a result of this project are listed below (under Performance Measures).

Performance measures, such as list of policies and plans that are proposed for review and/or amendment; target for number of completed assessments:

This CWPP would include review of the following policies and plans: 1) all applicable bylaws, Official Community Plans and Emergency Plans for the Electoral Areas within each respective Zone; and 2) all applicable higher level plans (i.e., Fire Management Plan, Land and Resource Management Plan, Sustainable Resource Management Plan, regional Forest Health Strategies, etc.) and legislation (i.e., Ungulate Winter Range, Old Growth Management Areas). Amendments may be proposed for local government bylaws, plans and policies (bylaws, OCP).

Threat assessment will be conducted in accordance with the CRI Program standard on the total area of interest for all Zones, less the area of land classified as private or private managed forest land. The total combined gross area is 116,102 ha (consisting of 45,589 ha for Zone A; 46,107 ha for Zone B; and 24,406 ha for Zone C)..

Note: for CWPPS, include the number of hectares that threat assessments will be completed for. Refer to Appendix 4 for map and spatial data requirements for CWPPs

#### 3. Development Considerations

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as list of plans or development requirements that are proposed for review and/or amendment; number and location of target areas for development permit areas:

#### 4. Interagency Cooperation

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as estimated meeting frequency and attendance at planning tables or fuel management tables:

#### 5. Emergency Planning

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as estimated meeting frequency and attendance at meetings and exercises:

#### 6. Cross Training

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as estimated training frequency and attendance; list of professional development opportunities:

#### 7. FireSmart Demonstration Projects

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as the extent to which the recommendations in the FireSmart assessment will be achieved; the degree to which the hazard level will be reduced for the structure; the number of people informed by the required community education component:

Note: To be eligible for funding, the proposed structure must be designated for emergency response, such as an Emergency Operations Centre or emergency social services facility (i.e. reception centre, group lodging) and have a completed FireSmart assessment. In addition, demonstration projects must include a community education component.

FireSmart assessments are required to be submitted with the application.

#### 8. FireSmart Activities for Private Land

Proposed activities:

Cost Estimate:

Proposed outcomes:

Performance measures, such as target for completed number of assessments; number and location of target areas for planning activities; target number and value for approved rebates; estimated frequency of debris disposal activities and the number of private land owners participating:

Note: Refer to Appendix 2 of the Program & Application Guide for funding requirements for rebate programs (if applicable)

#### 9. Fuel & Vegetation Management

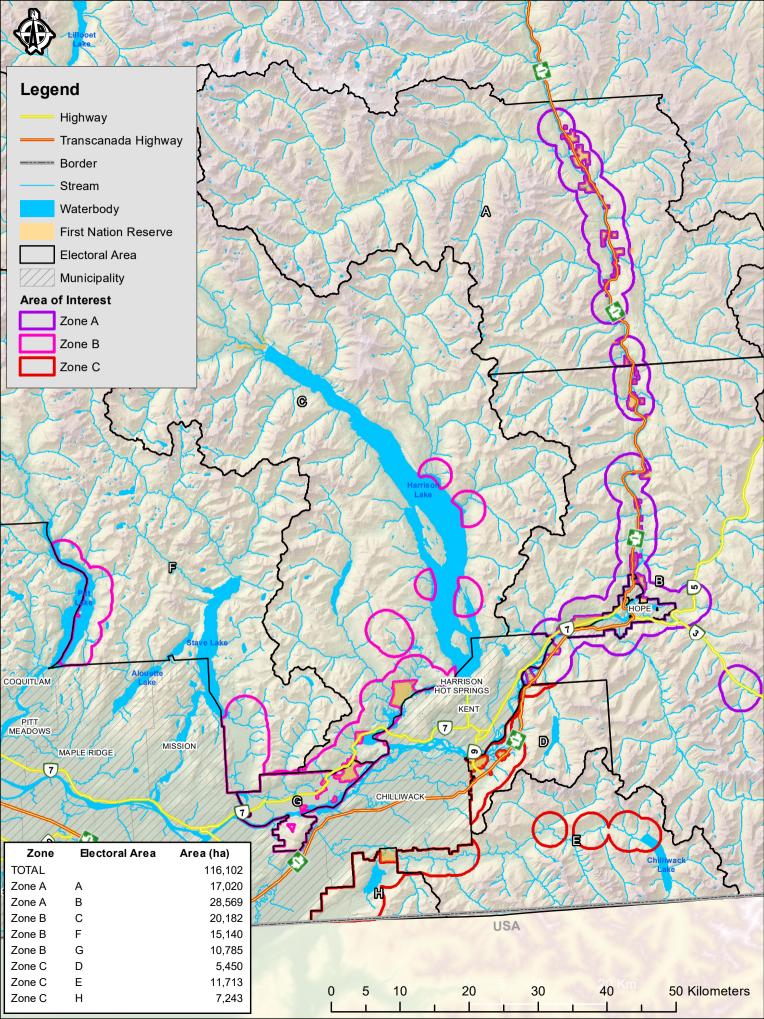
Worksheet 2 is required to be completed but the total cost estimate should be included here.

Cost Estimate:

Note: Refer to Appendix 3 of the Program & Application Guide for funding requirements for fuel management and Appendix 4 for the requirements for maps and spatial data

#### 10. Total Proposed Cost:

\$89165.63





FIRE RESCUE SERVICE

December 7, 2018

Local Government Services Union of BC Municipalities 525 Government Street Victoria, BC V8V 0A8

To Whom This May Concern:

#### RE: Letter of Support - Community Resiliency Investment Program - FireSmart Community Funding and Support Program - Community Wildfire Project Plan

The District of Mission extends our support for the application for funding the Fraser Valley Regional District is putting forth to the Community Resiliency Investment Program under the FireSmart Community Funding and Support Program to facilitate their first Community Wildfire Protection Plan.

We understand how important it is to have an up-to-date CWPP for the protection against wildland urban interface wildfire events. As a neighbouring municipality, a CWPP for the Fraser Valley Regional District has indirect benefits for our wildfire protections efforts.

Although the circumstances were not possible to coordinate a regional approach to CWPP development as a partnered application, there exists a strong desire to coordinate future prescription and fuel treatment programs. It will be ideal if CWPPs in the region are all current and are an effective means for coordinated planning and implementation efforts in the future.

Sincerely,

Dale Unrau FIRE CHIEF