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Revision to a Request for a Standing Offer

Révision à une demande d'offre à commandes

Regional Individual Standing Offer (RISO)

Offre à commandes individuelle régionale (OCIR)

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Offer remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'offre demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Infrastructure Maintenance and Solution Services
Division (FK)

L'Esplanade Laurier,

East Tower 4th Floor

L'Esplanade Laurier,

Tour est 4e étage

140 O'Connor, Street

Ottawa

Ontario

K1A 0R5

Title - Sujet Maintenance Services	
Solicitation No. - N° de l'invitation W857A-20WR02/A	Date 2020-01-28
Client Reference No. - N° de référence du client HAVWR02	Amendment No. - N° modif. 002
File No. - N° de dossier fk304.W857A-20WR02	CCC No./N° CCC - FMS No./N° VME
GETS Reference No. - N° de référence de SEAG PW-\$\$FK-304-78268	
Date of Original Request for Standing Offer 2019-12-19	
Date de la demande de l'offre à commandes originale	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-02-03	
Time Zone Fuseau horaire Eastern Standard Time EST	
Address Enquiries to: - Adresser toutes questions à: Dallaire, Maxime	Buyer Id - Id de l'acheteur fk304
Telephone No. - N° de téléphone (613) 296-1437 ()	FAX No. - N° de FAX () -
Delivery Required - Livraison exigée	
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	
Security - Sécurité This revision does not change the security requirements of the Offer. Cette révision ne change pas les besoins en matière de sécurité de la présente offre.	

Instructions: See Herein

Instructions: Voir aux présentes

Acknowledgement copy required Accusé de réception requis	Yes - Oui <input type="checkbox"/>	No - Non <input type="checkbox"/>
The Offeror hereby acknowledges this revision to its Offer. Le proposant constate, par la présente, cette révision à son offre.		
Signature	Date	
Name and title of person authorized to sign on behalf of offeror. (type or print) Nom et titre de la personne autorisée à signer au nom du proposant. (taper ou écrire en caractères d'imprimerie)		
For the Minister - Pour le Ministre		

This amendment 002 is raised to:

1. Replace the Appendix 5 – SUR Code Deselection;
2. Answer questions from offerors and attach the Power point presentation.

1- Appendix 5 – SUR Code Deselection

DELETE the Appendix 5 – SUR Code Deselection, and

REPLACE with the new attached Appendix 5 – SUR Code Deselection

2- QUESTIONS

Section I Technical Criteria - What do you like to see for format? If I write out each criteria MT1,2,3,4 in a word document separated in number paragraphs if that acceptable?

It would be acceptable.

Section II Financial Offer - Are we expected to fill out Table A and B by hand directly in the document? Or should we create our own tables that stand alone?

You may do either but we would prefer a typed response.

Section III Certifications - Certifications under Part 5 seem like they all simply state that "Offeror certifies that..." Yes I certify that, but is there actually anything to submit or a form to complete? I did see the Integrity Declaration, but if you haven't committed a criminal offence it didn't seem like it applied. Any guidance on this section would be greatly appreciated.

By signing the first page of the RFSO offerors certify the information provided in Part 5, if the integrity Provisions – Declaration of Convicted Offences does not apply to you we don't you to complete the declaration.

Section IV Additional Information - Straight forward other than the reference to Part 2 article 3 on page 8. Do you just need this page marked "yes" or "no", in the two locations, possibly initialled, and submitted?

The offeror only need to choose "Yes" or "No", if the offeror selected "Yes" other document, specified under the question, will be needed.

My question is on the financial percentage offer on the attached page it has the space for the percentage offer but then there is a space for a total evaluated price and I am not sure what is to entered in that space ?

You have to enter the sum of all percentage offers for all the trades listed in the table.

Paragraph 2.3 Former Public Servant - are we to print this page off and include with submission? There are none to report.

Yes

Attachment 1 to Part 3 vs Annex B, Basis of Payment to Statement of Work. Which financial offer are we to use?

There is a difference in Table B as the one included as Annex B to the SOW includes 2 years of hourly rates versus only one year in the Attachment 1 to Part 3.

Also of note: There is no place to enter bidder information or signature/date on either of these documents. Is this correct?

Offerors shall complete the Table A and Table B. Attachment 1 to Part 3. The Schedule of Unit Rates (SUR), hourly rate(s) and unit prices, as applicable, quoted on the pricing

Schedule shall remain firm for a period of two years after establishment of the SO. The Offeror shall sign page 1 of your submission only.

Paragraph 2.6 - "The Standing Offer and any contract resulting..., by the laws enforced in Ontario." The additional paragraph states that "Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory..."

Our company is based in Alberta and subsequently are governed by Alberta Provincial laws and regulations. How do we acknowledge this 'substitution'?

You may include a request in writing with your submission. There is no prescribed format.

Paragraph 5.1.1 - Integrity Provision; in reviewing this paragraph and the link provided this is only required should there be offenses or information to declare. Is this correct?

Yes.

Paragraph 7.4.1 - the period of the Standing Offer is not indicated; left blank

PSPC will complete this section upon the Standing Offer award.

Paragraph 7.5.2 - Project Authority has not been identified yet further in the document there are references made to this entity.

PSPC will complete this section upon the Standing Offer award.

Le paragraphe 7.5.2 - Chargé de projet n'a pas été identifié plus loin dans le document, il est fait référence à cette entité.

SPAC remplira cette section lors de l'attribution de l'offre à commandes.

Paragraphe 7.5.3 - Représentant de l'offrant - Doit-il être imprimé, rempli et inclus dans la soumission?

Oui, cette section peut être remplie et envoyée avec l'offre.

Le paragraphe 7.11.2 - stipule que «l'autorité contractante de SPAC peut émettre des commandes supérieures à 400 000 \$ et inférieures à 1 000 000 \$». tandis que le paragraphe 1.2.2 stipule que «le Canada a l'intention de mettre en place des offres à commandes avec les deux offrants les mieux classés pour la valeur totale estimée de 600 000 \$, taxes applicables en sus». Qui est correct??

Oui. Toutefois, le total des commandes subséquentes ne peut pas dépasser le montant stipulé au paragraphe 1.2.2.

Le paragraphe 7.15 est incomplet car il ne donne pas de nom de province ou de territoire - voir question 2

SPAC remplira cette section au moment de l'attribution de l'offre à commandes en fonction des renseignements contenus dans la soumission.

Section 8 - la référence au responsable technique et au responsable de l'inspection est faite dans plusieurs paragraphes, mais il n'est pas précisé qui il s'agit.

SPAC remplira cette section lors de l'attribution de l'offre à commandes.

Le paragraphe 8.3.1 est incomplet

SPAC remplira cette section lors de l'attribution de l'offre à commandes.

Paragraphe 8.4.1 - l'entrepreneur doit-il remplir et soumettre une offre?

Non, SPAC remplira cette section lors de l'attribution de l'offre à commandes.

Le paragraphe 8.6.1 - fait référence à l'annexe B ... conformément aux codes SUR donnés et au pourcentage de soumission?

Oui, SPAC remplira l'annexe B conformément au pourcentage de soumission qui s'applique au prix de référence de chaque SUR conformément à l'appendice 5.

Le paragraphe 8.6.9.4 stipule que " Seulement une commande subséquente peut être soumise sur une même facture." Est-ce correct? Ces dernières années, nous avons pu soumettre jusqu'à 15 bons de travail / commandes sur une facture.

Oui c'est correct.

Le paragraphe 8.11 - Réunion avant le début des travaux stipule que celles-ci sont obligatoires avant tout travail sur le site. S'agit-il d'une référence générale selon laquelle un entrepreneur assisterait à une première réunion de lancement ou est-ce prévu pour chaque commande individuelle?

Réunion avant le début des travaux a lieu peu de temps après l'attribution de l'offre à commandes. Il n'y a aucune exigence de réunion de lancement pour chaque appel.

Annexe A, paragraphe 2.1.1.7 - Listes de contrôle de maintenance. Comment s'appliquent-elles à la coupe de l'herbe, au déneigement et à l'aménagement paysager?

Les listes de contrôle d'inspection de l'annexe 7 s'appliquent aux métiers et codes de barème de taux unitaire suivants:

7.1 Chauffage au mazout avec réservoir de stockage hors sol – HA LTU HA2398

7.2 Climatiseur – HA LTU HA1240

7.3 Échangeur d'air – HA LTU HA1057, HA1035, HA1036, HA1046, HA1051, HA1057

7.4 Soupape de retour d'eau – PL LTU PL4813

7.5 Chaudière - HA LTU HA1044 and PL SUR PL5220

7.6 Cheminée préfabriquée – HA LTU HA1032

7.7 Maçonnerie de cheminée – MA LTU MA1605, MA1610

7.8 Foyer au gaz – HA LTU HA1067

7.9 Foyer au bois – MA LTU MA1605, MA1610

7.10 Système de gicleurs - PL LTU PL4770

7.11 Générateur d'air chaud (électrique) – HA LTU HA1036, HA1045, HA1046, HA1056

7.12 Générateur d'air chaud (au gaz)– HA LTU HA1036 HA1045, HA1046, HA1056

7.13 Générateur d'air chaud (au mazout)– HA LTU HA1035, HA1050, HA1051, HA1040,

7.14 Pompe à chaleur air-air – HA LTU HA5070, HA5080

7.15 Chauffe-eau électrique – HA LTU HA1045, HA1050, HA1046, HA1051 and PL LTU PL5205

7.16 Chauffe-eau au gaz – HA LTU HA1045, HA1050, HA1046, HA1051, HA2399 and PL LTU PL5205

7.17 Chauffe-eau au mazout – HA LTU HA1045, HA1050, HA1046, HA1051 and PL LTU PL5205

7.18 Détecteur de fumée et de monoxyde de carbone – EL LTU EL6550 and HA LTU HA2391

7.19 Pompe de puisard - PL LTU PL 5250, PL4770

7.20 Chauffe-eau électrique sur demande – HA LTU HA1045, HA1050, HA1046, HA1051 and PL LTU PL5205

7.21 Chauffe-eau au gaz sur demande – HA LTU HA1045, HA1050, HA1046, HA1051 and PL LTU PL5205

Veuillez noter qu'il n'y a pas d'utilisation minimale ou maximale impliquée par ces codes et listes de contrôle. L'étendue des travaux pour chaque inspection est disponible dans la spécification commerciale associée.

Annexe D, Rapport d'usage trimestriel – est-ce qu'une version modifiable va être disponible aux offrants gagnants.

Oui, une version modifiable peut être disponible après l'attribution du contrat.

CONFERENCE 1:

1. **We've been working on the CP portion in Dundurn. Who gets called out for emergencies, the general or the trade?**
 - The general contractor is responsible for the work. He will be the point of contact and will coordinate with the subcontractors.
2. **• Where would we find the schedule of rates?**
 - The Schedule of the Unit Rates is in the Appendix 5 to Annex A, Statement of Work. It is accessible at buyandsell.gc.ca, at the bottom of the RFSO page, in the area called Attachments, there is a link that to Appendices 1-7.
3. **• How do we purchase the tender documents?**
 - Purchase is not required, the tender documents are available at no charge at buyandsell.gc.ca for an upload. Search the buyandsell.gc.ca by the solicitation number, it will take you to the Request for Standing Offer page. At the bottom of the page there are all the documents. They may be in excel, pdf or word. You can upload them by clicking on the links.
4. **Can the Crown confirm if the solicitation documents requires a percentage bid for all 16 trades?**
 - Yes, the offer must be for all the trades of the SO, all fields must all be filled out.
5. **Page 11 of CFHA references historical usage reports. Why was the Bagotville report attached to the Kingston and Trenton files?**
 - A few reports contained a typo in the Instructions/Description field A, however the report pertains to the correct Housing Service Centre as specified in the report title.
6. **PSPC presentation page 21. Emergency services for work on stat holidays is 1.5 times of the hourly rate or the stat holiday rate? Is there a difference in coming in on a Sunday or a stat holiday (which would normally be 2.5 times).**
 - It will be 1.5 times.
7. **16 trades question. CFHA slide 8.2.**
 - Each individual RFSO will indicate which trades are required for this specific SO.
8. **40 people on the call? Is this all for one location?**
 - People are from all locations. For all the RFSOs closing on Feb 3.
9. **Is CFHA open to an alternative model that might serve occupants better?**
 - This is the model that was chosen for this process. Will see how well it goes before considering anything else.
10. **When call ups are issued, will all trades be issued on one call up or will they be separated as now?**
 - Schedule of Unit Rates codes from different trades may be on one call up, will not be separated.

11. If you have multiple trades under one call up, will the minimum call out of one trade be issued?

As per RFSO clause 8.6.5.6, the minimum amount is applicable to each call up and not to an individual SUR or trade on such call up.

12. Hazmat and pest control are excluded?

- Hazmat Consultant and Pest Control Trades are excluded from the scope. Hazmat Abatement trade is included.

13. Travel time for afterhours is being paid at straight time?

- Correct.

14. Can Crown confirm if subcontractor is required to be licensed at submission or award?

As per Mandatory Technical Criterion 4, where compulsory by the provincial legislation, the bidder must provide proof of trade certification and/or licence; and/or registration certificates for each proposed resource.

As per RFSO clause 7.13.1.3 Where the Offeror makes application to subcontract part of the Works, and Provincial Legislation requires that a Person be licensed to carry out that part of the Work, the Offeror shall produce evidence that the proposed Subcontractor and/or his/her trades people to be assigned to that part of the Work are so registered or licensed.

Annex A Statement of Work Clause 5.1 where legislation of the Province in which the site of the Work is located requires that a contractor or their resources be registered or licensed to carry out any of the Work described in the RFSO documents, the Contractor shall, within 48 hours of their receipt of a notice in writing from the Technical authority, produce evidence that they and/or their resources are so registered or licensed.

15. Is there a list of subcontractors available for each location?

- No.

16. Do we need to provide a list of subcontractors?

Yes, if requested by CFHA.

As per RFSO clause 7.17.2 Notwithstanding any list of Subcontractors which the Offeror may be required to submit as part of the offer, the Offeror shall, within 48 hours of receipt of a written request from CFHA, submit the names of Subcontractors and suppliers for the part or parts of the Work listed in the said request.

17. • Is there historical data for unit prices provided before or posted on buyandsell.gc.ca?

- The Historical SUR Usage report are posted on buyandsell in the appendix 5 folder. Please see Appendix 5, it's posted along with unit rates for each site under each standing offer. It may be separated by trade.

18. After hours work done by hourly rate or unit rates?

Afterhours work is paid by hourly rate. Please refer to RFSO clause 8.6.6 Payment for After Hours Work and Priority 1 Work.

19. Are General Contractors allowed to give multiple contact numbers for the afterhours?

- Yes, but the GC is still responsible if there is no answer.

20. Mandatory technical criteria. How strictly is this enforced, for 2 maintenance support services contracts?

- If the mandatory criteria are not answered or not properly, you will be judged nonresponsive. If the mandatory criteria is not filled out properly, PSPC will not go to the financial bid.

21. If you have multiple contracts that would meet the requirement of the technical criteria? Is that good enough?

- For MT1 and MT2 If you had multiple contracts of similar scope in place at the same time, and the aggregate of portfolio under such contracts meets the CFHA definition of a portfolio size and such contract involved coordination of 3 or more trades, we would consider it.

22. Lowest bidding contractor would get 60%?

- It depends on the structure of the RFSO. Some are 100%-0%, others are 60-40-0. Each RFSO specifies what the breakdown is. Please refer to RFSO clause 1.2.2.

23. Is the RFSO just for general contractors or can subs submit their own? Are you looking for general contractors?

- The bid has to be for all the trades listed in the requirement.

24. Is there a separate SO for electrical?

- Some RFSOs have more than one trade, others have separate trades.

25. Where do you find the RFSO numbers?

- Depends on the region. If you go on buyandsell for CFHA, page 9 and 10 shows the RFSO numbers and which trades apply.

26. Is there a checklist of which documents need to be filled in and submitted?

- No, there is no checklist, but it is summarized in the presentation.

27. Where are the presentations?

- The presentations will be posted on buyandsell.gc.ca along with any of the questions and answers.

28. • Is there any security requirements for any sites?

- No.

29. • Where do I find the General Conditions?

- Buyandsell.gc.ca, enter the number and you can read all the general conditions.

All clauses and conditions including the General Conditions identified in the Standing Offer and resulting contract(s) by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditionsmanual> issued by Public Works and Government Services Canada.

30. Epost connect or Canada post website, you have to send a link or a request in order for me to submit? Do we use the email address that is listed?

- It is not on the Canada Post website. Look at RFSO clause 2.2 (also mentioned on slide 4 of the PSPC presentation), there is an email address of bid receiving unit. Send an email there and they will tell you how to open a conversation and additional information will be provided.

31. **Financial offer. If there are multiple trades, I put the percentage per trade and add them all up at the bottom?**
- Yes, it is the sum of all the percentage bids for all the trades listed in the table that will evaluate the bid.
32. **• For submitting prices there are multiple tables SURs and hourly rates. Page 12 and 13 and 14? Are those the pages we are using?**
- Yes, you need to fill pages 13 and 14 are the pages. Also Annex B Basis of Payment has the same tables as the RFSO.
33. **• What is the turnaround time for invoices? 15th or 30th of each month? What is the turnaround for payment?**
- Invoice submissions should be as soon as possible after the completion of the work. There is a RFSO clause requiring the contractor to submit invoices within 90 day period. Once CFHA received and invoice and confirms the work completion, we have 30 days to pay. Please refer to the General Conditions to details.
34. **Will there be holdbacks?**
- Invoice will only be paid when the work is completed and accepted by HSC staff and an invoice is received, whatever is later. There are no additional holdbacks.
35. **• One can submit an RFSO for one trade?**
- Must submit all trades listed for each RFSO.
36. **• Are you looking for a general contractor?**
- There are a small number of RFSOs with only one trade/contractor, but the majority are for a combination of trades. Look at the CFHA presentation or the RFSO.
37. **• Blank spaces in the bidding document?**
- Section 1, 2, 3, 4 must be submitted. Blank sections are filled out once the Standing Offer is awarded.
38. **Percentage splits for locations? Where are these percentages identified?**
- Para 1.2.2 of each individual RFSO specifies the split. It's also mentioned at several spots throughout the document.
39. **• As an electrician, I can't just submit one price?**
- All trades listed in the RFSO must be included.
40. **• Can a general contractor from Ottawa support Bagotville?**
- Yes, as long as you provide all the trades required and able to coordinate work and meet the requirements including the timelines.
41. **• Will the general contractor be made public?**
- The notice of award will be posted on buyandsell.gc.ca
42. **To place a bid, do I have to put our name on the List of Interested Suppliers?**

- No, you just need to submit the documents that are required as per RFSO, but we do not check the vendors name on the List of Interested Suppliers.

43. Do you have a list of people that would be bidding in certain areas? Do you have a list of generals that will be bidding?

- We don't receive anything from the bid receiving unit until the RFSO is closed. We are not aware of generals and subs until then.

44. • Can you just bid for one service?

- You need to bid on all the trades required for each specific RFSO.

45. Financial evaluation: is the only item that is looked at the total evaluated price, which is the sum? Which is evaluated?

- You need to fill out the percentage bid for all of the trades. We will evaluate that the sum of the percentage bids. Yes it is about the sum.

46. • If you bid plus 400% one on trade but minus 50 on all the others, you could still be successful?

- We evaluate the total evaluated price to determine the successful bidder, but when work is done you will be paid the percentage identified for each trade for this trade's SURs.
- Bear in mind that the winner will be the lowest price that meets the mandatory criteria.

47. When evaluating the whole thing, what if they have the cheapest price but don't meet the tech criteria?

- We evaluate the mandatory criteria first. If a bidder is not responsive on the four criteria, we do not evaluate the financial bid.

48. Technical offer. There are some strict elements (equivalent experience for example). If there are four offers per location and none of them meet the requirement, will you close the deal or will you pick the best one?

- You must meet the mandatory criteria. If none of the bidders are responsive, we will evaluate next steps after that.

49. Four mandatory requirements? What are they?

- Described in the presentation page 7 and RFSO page 22-23.

50. If a bid is submitted ridiculously low, would it still be accepted?

- RFSO has a clause that allows CFHA to verify and negotiate the hourly rates if the price is abnormal but not the percentage bid.

51. PSPC slide 9 regarding certifications. List of names, owners?

- Usually directors or board members of the company.

52. What is standing offer certification?

- If you are a Former Public Servant, for example, you need to certify. Just need to sign first page of the RFSO, states that you have all three of these certifications.

CONFERENCE 2:

53. Where can I find the schedule of rates?

- The Schedule of the Unit Rates is in the Appendice 5 to Annex A, Statement of Work. it is accessible from buyandsell.gc.ca, at the bottom of the RFSO page, in the area called Attachments, there is a link that to attachments 1-7.

54. Looking at the SUR code books, the date is different than the front of the package, why?

- Duration of the codes and specs does not coincide with the duration of the SO. This is an internal procedure to allow for an additional year to review the technical content. SO is for 2 +2 option years.

55. Technical offer requirements. Do I have to send in the entire 55 pages?

- No, you need to submit the bid in 4 sections. Section I: Technical Offer where you demonstrate how you meet the mandatory technical criteria; Section II: Financial Offer; Section III: Certifications and Additional Information.
- Also, include the first page of the RFSO and include the vendor information.

56. Technical offer, page 10, 11. What format do you want the response? A letter?

- Yes, in the Technical Offer you will need to address the four mandatory criteria and include the reference form.

57. If you have a general contractor with subs and the general becomes insolvent, what process is followed?

- It would fall within the performance management process. CFHA will engage with the contract to resolve directly, but if it is an ongoing or a severe issue, the SO can be terminated. Please refer to the general conditions of the SO for details on when termination may be invoked. Please see RFSO Part 9 Performance Evaluation: Contract on the evaluation process.

58. It says the contract is worth up to \$14M for four years for Winnipeg. How was this determined? Can we assume that it will be this much?

- Paragraph 1.2.2 gives a financial estimate of the future expenditure against the Standing Offer though there is no guarantee of expending this amount. The value was based on historical expenditures and projections.

59. Is there a report of which trades were used how much and the value historically?

- Attachments in the Appendix 5 folder include a historical breakdown. The report does not include the financials but will give the information as to the volume of work.

60. For some contracts, SO is roughly \$9M. Is this for 2 or 4 years?

- RFSO paragraph 1.2.2 gives a financial estimate for 4 years including the option years.

61. Technical offer MT4 experience. Are we providing a list of personnel or including resumes for subtrades and employees?

- Yes, you need to provide the list of names of individuals/firms as well as certifications as applicable.

62. **Minimum callouts. With multiple trades is it per trade or SUR?**

- Minimum call up amount of \$80 will apply once to a call up and is not per trade.

63. **SUR usage Cold Lake. Usage states it is for Bagotville not Cold Lake.**

- This is a typo, but the header shows the correct site.

64. **Slide 9 of CFHA presentation. Have any of these been awarded? Where can we see them?**

- None of the SOs have been awarded, but some closing this coming Friday. The remainder will close on February 3rd.

65. **Pest control not included in SO? Disregard?**

- Yes, Pest Control trade is not included.

66. **Table A provides list of contracts and percentage offers. If I want to bid on 3 only, do I send in 3 tables or accumulate percentages?**

- You cannot just submit 2 or 3. You will need to bid on all trades part of the RFSO and fill out the table once.

67. **Borden. PBN number. What is it and where do you get that?**

- Procurement Business Number. Can search for it on buyandsell.gc.ca that will tell you how to get one.
Below is the link to register as a supplier to get a Procurement Business Number (PBN)
<https://buyandsell.gc.ca/for-businesses/selling-to-the-government-of-canada/register-as-a-supplier#600>

68. **Workforce and lowest bidder. If lowest bidder comes in 50% lower than historically, do you automatically award or do you investigate that they can pay proper wages? Are employees properly vetted and secured? Are they on work visas (could take away work from Canadians)?**

- Security verification of workers - all units are off site and will not have security requirements. Any exceptions where access to a base is required at a few sites will be managed on as and when required basis.
- The General contractor is responsible for subcontractors and making sure that they are compliant and that all the certificates are in place. Subs can be asked for papers on site.

69. **Can we have a workforce with visas?**

- Every worker including subcontractors must have all the documentation required by the general conditions. General contractor has the responsibility to verify if they are allowed to work.

70. **In the event of a low bid compared to historical, do you open an investigation? If someone submits a minus 50% bid, how will they keep up with the employee act and pay people? Who verifies that? Will it be investigated?**

- This is the responsibility of the bidder to submit a fair bid allowing for fair profit. If they underbid it is likely that they will be unable to fulfill their obligations under the SO, and we can terminate the Standing Offer.
- The selection is not based on lowest cost proposal. The bidder must meet mandatory technical criteria. One of these is a reference check.
- We will not negotiate on the percentage of line items but can negotiate the hourly rate before awarding.

71. **Are there protections that super low bidders get checked in on? How are they legitimately doing the work?**

- There are no provisions to deny a low bidder, but it is not in their best interest to underbid because they won't be able to do the work at a profit. The most common scenario is that the SO would be terminated for default because they cannot perform. Cannot do it upfront.

72. **Experience and qualifications of workforce. How do you prove they are qualified? Do you look at workforce of low bidders?**

- One of the mandatory criteria is the references. We also verify certifications if so required by the provincial legislation.

73. **So if all workforce is from Turkey or Iran, how do you know if they have the experience to snow clear if they don't even have experience with snow?**

- We do not verify every individual worker. The quality of the work is the responsibility of the general contractor, the SO holder. In the Mandatory criteria we seek experience and references on previous similar contracts to ensure a bidder is capable of providing quality work.

74. **Priority definitions. Can you please explain what they mean?**

Refer to SOW para 4.2

Each Call-up will indicate the completion time. The Contractor must be on site fully prepared to undertake the work and /or working within the priority response time allocated for each item of work specified in the Call-up unless otherwise agreed to in writing:

- .1 Priority 1 Respond within 1 hour
- .2 Priority 2 Respond within 24 consecutive hours
- .3 Priority 3 Respond within 7 calendar days
- .4 Priority 4 Respond within 14 calendar days
- .5 Priority 5 Respond within 28 calendar days
- .6 Priority 6 Respond as specified on the Call-up.

75. **If a work order for inspection is completed and work is identified, resulting in a version 2 of the work order, will version 1 and 2 cascade and grow and not eliminate the original inspect codes?**

- It should cascade. The initial SUR codes should not be eliminated.

76. Government thinks it will be more efficient to have one responsible contractor. What concerns did you have when first contemplating a change in structure?

- Currently we manage 230 standing offers which has many differences in quality and consistency with multiple vendors and trades. The new approach reduces to 40 standing offers. Slide 4 of CFHA presentation outlines the benefits that we've already seen in Petawawa and Gagetown and sites that used bundled approach. We've applied the lessons learned from these sites hoping to reduce administration, have one point of contact to expedite delivery and response times. The Biggest challenge has been consistency in the quality of service across all CFHA sites.

77. If quality is the biggest challenge, what protection do you have against the low bidders? Is there a process for dealing with the general contractors and verifying prices?

- We will have to accept prices. We have to rely on bidders (general contractors) to provide a sound bid that would allow for a fair profit. It's not in the bidders' best interest to underbid.

78. What happens if the SO is terminated?

- If SO is terminated, the company is in default they may not bid for next 2-3 years on other PSPC requirements.

79. Percentage offer. Why? To gain advantage or cover cost of materials?

- Have 3000 line items that describe the work. We could have gone with two approaches: providing a price per line item or a percentage bid. Percentage bid option was selected and has been successful to date. No change to approach to be made.

80. Table A and B. What is the difference?

- Table A: bidder will provide a +/- percentage bid for all the required trades to be applied to the SURs base prices listed in the Appendix 5. The majority of the work will be call up by using the SURs.
- Table B the bidder will include the journeyman hourly rates that would be used for emergency work outside of the normal business hours or when there is no SUR to describe the scope of the work required. In this case CFHA may issue a "time and material" call up.

81. Table A is the percentage offer portion against list of trades and then the sum total. If I want to bid on 3 separate trades, would I have to put the total evaluated price?

- Depends on RFSO. If there are 16 trades, you will need to submit a bid for all 16. You cannot submit for one or two trades.

82. I only wanted painting portion last time. Why would I now have to bid on all of it?

- Previously all standing offers were separate, now they are combined.

83. Does your current system offer API to integrate into our system or is it paper based? Can the two softwares communicate?

- Currently we do not have a system that can communicate with suppliers' system. Call ups are most often issued through email.

84. Can API connectivity be explored?

- We will explore, however it would be an overpromise to state anything can be put in place.

85. Is there a list of current contractors doing work?

- We do not provide lists of contractors currently engaged.

86. Percentage offer on Annex B. There are 16 trades. You have to provide percentage for each trade and then a sum at the bottom. Who fills this section?

- The bidder has to complete this section. You add all trade percentages to determine the total evaluated price. All percentages for all trades are added by the bidder.

87. Contract experience. Will you accept past contracting SOA? For example SOA and contract work with CFHA.

- Yes, we will use contracts but not SOAs. Must demonstrate actual work.

88. Is there a limit to the number of subtrades that you can have?

- No limit to the number of subcontractors that you can have to meet the requirement.

89. Where do I get a copy of the presentations?

- If you received the confirmation email, the presentations were attached. They will also be posted on buyandsell.gc.ca as an amendment.

90. Is it possible to be awarded in multiple locations?

- Yes, however you must have separate submissions for each individual SO at multiple locations.

91. A company that was doing work for DCC that was forbidden from bidding on DCC projects, will you be checking for limitations like this before award?

- PSPC and DCC have separate lists for vendors that have been suspended. PSPC will check our own lists. If we have problems or defaults they will be suspended. PSPC will not communicate with DCC.

92. Are you now looking for one contractor for all trades?

- The submission has to be for all trades, all fields need to be filled out - either by a general contractor or a group of subs getting together.
- All trades identified on RFSO must be included. One general in Edmonton.

93. Is this conference call mandatory?

- No.

94. Some contracts in rural municipalities try to prevent general contractors. What penalties are there if a general contractor fails? Financial penalties?

- This is a standing offer and not a contract. If the contractor is not able to fulfil the requirement of a call up they would be in default and the SO may be terminated. They will not be able to bid on the standing offer for a period of time.

- Once the contractor is in default they will be suspended from all PSPC procurements for a number of years.
- No financial penalty.

95. I've had much success with projects but mandatory requirements include many criteria (total value, number of projects, number of units). It may be challenging to check all the boxes. How will the evaluation process vet experience?

- Mandatory criteria is meant to verify that the contractor has some level of experience in the similar field to ensure a certain level of quality. In the mandatory criteria we are looking for the confirmation of experience managing a minimum of 2 contracts with the duration of at least 2 years carried out within the last 10 comparable in size and scope of our portfolio.
- It is important for us to confirm a company has experience with the similar work and portfolio to what we're dealing with.

96. Multi-discipline and multi-year requirement. What if experience is multiyear but not multi discipline or not enough units? How would this be evaluated?

- While some SOs are bundled for 16 trades, we are looking for experience coordinating at least three trades to confirm the ability to work with multiple crew at multiple work locations. The size of the portfolio is also very important. The bidder has to demonstrate experience of managing portfolio that is at least 75% of the numbers of units identified in the SOW.

97. Traditionally the SOs were primarily linear in scope by disciplines. It will be difficult to demonstrate the multidiscipline requirement when this is not how they've been structured to date.

No answer provided.

98. Is there a tender form for submission of the offer or is it just the percent table?

- Whatever is required in the RFSO, there are 4 sections to submit. There is no tender form.

99. Page 8, former public servant... should this simply be answered in the negative in the submission?

- Yes. If you respond "no" in the submission, nothing else is required. If "yes", then the questions following it must be answered.

100. Page 30, para 7.4.1 What is the period for making callups?

- The SO is for a period of 2 years with two additional optional one year periods. It is for an initial period of 2 years. PSPC will complete these fields upon SO award. Leave blank.

101. Page 31 section 7.5.2 who is the project authority?

- When SO is awarded, this will be determined. You do not need to fill out this information.

102. Page 37 , para 8.4.1 Period of the Contract is blank.

- You do not need to fill out this field. The submission should only include the 4 sections as previously described.

103. Who is the contracting authority for the government?

- You are not required to fill this out.

104. Annex A includes a period to 2025?

- This is the duration of the validity of the content of the SOW, not the SO.

105. Annex A page 6 and 7. What relevance do 7.1- 7.2 have? Inspection checklists.

- The checklist become applicable after award when the work is called up. Their applicability will be indicated on the call up.

106. Percentage bid. If doing landscaping with set rates and bidding a percentage bid what about the hourly rate?

- Each trade has their own percentage rate and the hourly rates.
- Total evaluated price is the sum of all trade prices. This is what is evaluated.

107. Table A and B. Hazardous materials abatement is included?

- Hazmat consultant is excluded. HAZMAT Abatement is included.

108. Is electronic transfer an option for payment?

- Payments will be made by direct deposits.

109. Can payments be issued per SUR or collaboratively?

- The payment will be issued per invoice related to a call up (i.e. Work Order). Invoice will match the call up (work order).

CONFERENCE 3

110. When you refer to the historical usage of the SUR, you gave a list of the work (SURs codes) performed in the past years. Does the last number at the end of a row mean the number of times a code was raised? I tried to figure it out. I know that I have done work. We already have a Standing Offer with the agency and I see that our work orders were not entered as it's marked as zero. Is it actual report or is it just an example?

- The total in the last column is the total number a SUR was raised. Only the SUR used will appear on the report, as such there are no entries marked 0. We need to have more details to be able to respond.

111. In the tender form, at Annex B, you have marked in some places the hourly rate... in the tender sheet, you have marked the hourly rate for the first year and the hourly rate for the second year in the two paragraphs that are there. Do you have to fill out both?

- As per ATTACHMENT 1 TO PART 3 PRICING SCHEDULE Para 6. The Schedule of Unit Rates (SUR), hourly rate(s) and unit prices, as applicable, quoted on the pricing schedule shall remain firm for a period of two years after establishment of the SO.

You do not need to complete Annex Basis of payment, only Attachment 1 to Part 3 Pricing Schedule.

112. If we want to submit bids directly in Gatineau, is that possible?

- Not to me directly, but you may submit them in person at the address provided, at 11 Laurier St., Place du Portage, Phase III. You may submit them directly to Reception, a few days in advance if you wish.

113. Are there a lot of people on the teleconference?

- We don't know how many people are participating on the call.



Request for Standing Offer for CFHA Responsive Maintenance

December 2019



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Canadian Forces Housing Agency (CFHA) – MANDATE



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CFHA delivers DND's Residential Housing Program

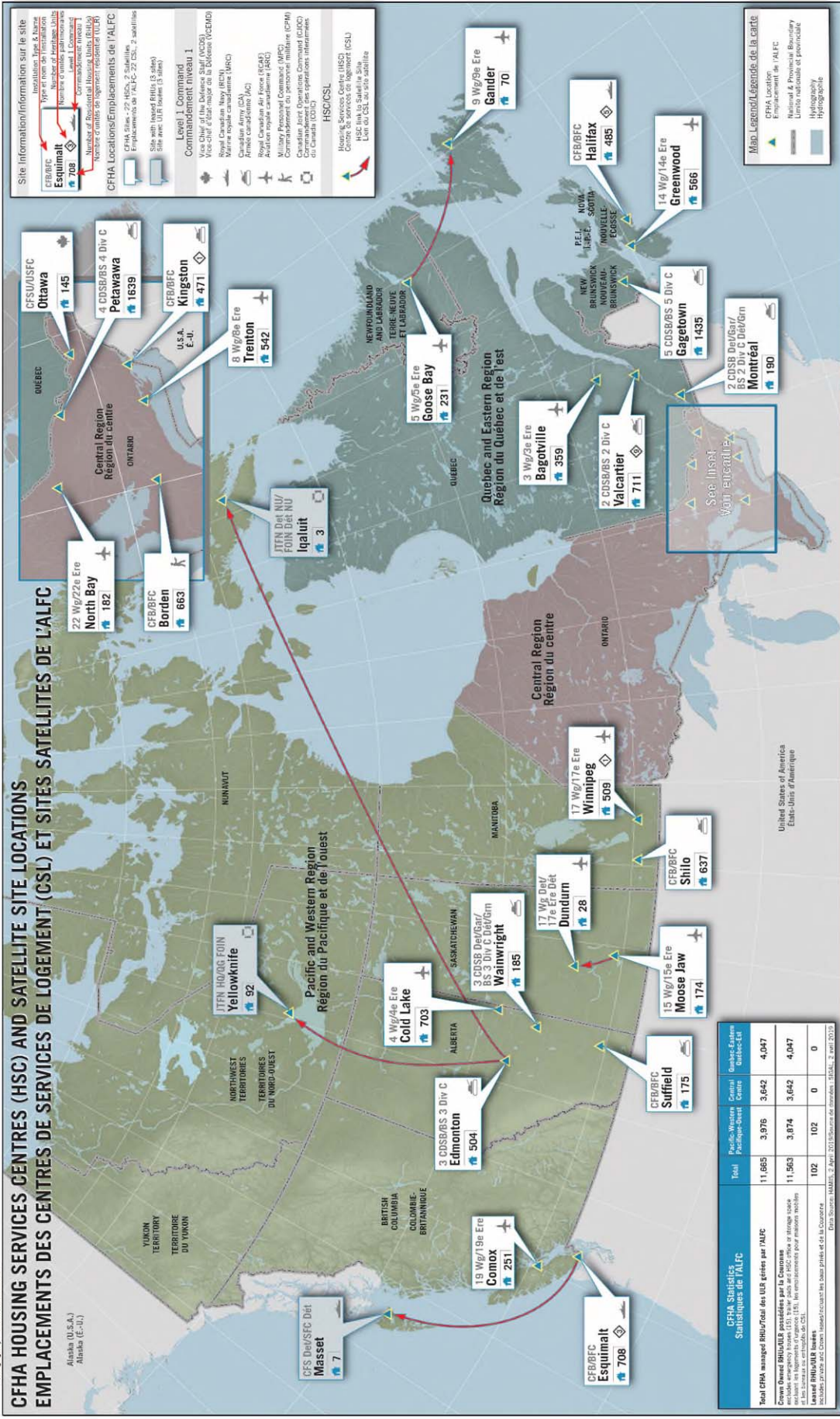
- Established as a Special Operating Agency (SOA) within DND in 1996
- Manages, operates and maintains the DND housing portfolio, which comprises 11,665 Crown-owned and leased Residential Housing Units (RHUs) at 27 locations across Canada
 - Housing portfolio totals 40% of DND buildings
 - Majority constructed in the 1950s/60s and are mostly single and semi-detached homes, with 3- and 4-bedrooms
- CFHA is responsible for allocations, rent setting and collections, occupant relations, and all real property functions for the DND housing portfolio
- CFHA's primary customers are members of the Canadian Armed Forces (CAF) and their families
- Approximately 20% of CAF members occupy DND housing



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CFHA National Map



CFHA Portfolio



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	Site*	Province	Residential Housing Unit (RHU) Type					Total Units**
			Apartment Units	Row Units	Semi- Detached Units	Single Units		
1	Bagotville	QC	6	132	128	93	359	
2	Borden	ON	12	12	480	171	663	
3	Cold Lake	AB	18		472	213	703	
4	Comox	BC	8	81	110	52	251	
5	Dundurn	SK			4	24	28	
6	Edmonton	AB			301	203	504	
7	Esquimalt	BC		95	337	276	708	
8	Gander	NL		6	16	48	70	
9	Goose Bay	NL		88	108	35	231	
10	Greenwood	NS		94	175	297	566	
11	Halifax	NS	158	14	116	197	485	
12	Kingston	ON	144	12	176	139	471	
13	Montreal	QC			96	94	190	
14	Moose Jaw	SK	6	37	119	12	174	
15	North Bay	ON		16	130	36	182	
16	Ottawa	ON		10	72	63	145	
17	Shilo	MB	30	116	288	203	637	
18	Suffield	AB			2	173	175	
19	Trenton	ON			240	308	548	
20	Valcartier	QC	107	333	161	110	711	
21	Wainwright	AB		120	60	5	185	
22	Winnipeg	MB		95	202	212	509	

*Excludes Gagetown, Petawawa, and satellite sites. ** The number of RHUs in a portfolio may fluctuate



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Maintenance Services Requirement



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- ☐ Operations and maintenance
- ☐ Repairs
- ☐ Responsive maintenance
- ☐ Lifecycle

Requirement: Maintenance Trades

		TRADE NAME
1	CF	Concrete and Foundation
2	AS	Asphalt
3	MA	Masonry
4	CP	Carpentry
5	RF	Roofing
6	HF	Hardwood Flooring
7	PT	Painting
8	VC	Resilient Tile, Sheet Flooring & Carpet
9	HZ	Hazardous Materials Abatement
10	CL	Cleaning
11	HA	Heating and Air Conditioning
12	PL	Plumbing
13	EL	Electrical
14	GC	Grass cutting
15	LA	Landscaping
16	SN	Snow Removal

Excluded from the scope are Pest Control (PC) and Hazmat Consultant (HC) trades



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Contracting Tool and Trades Combinations

Contracting Tool:

Standing Offer was determined to be the most flexible instrument for the requirement.

Most standing offers are established for multiple trades in an effort to improve CFHA service delivery and achieve the following goals:

- Reduce administration;
- Have one point of contact and one point of responsibility;
- Expedite service delivery time.
- Achieve consistent level of service across all CFHA HSC.



Requirement: Maintenance Services Standing Offers

Standing Offers:

- Are established at 22 CFHA HSC locations
- Can be for an individual trade or combination of several
- Duration: 2 year initial period + 2 option years (1 year + 1 year)
- SURs line items are selected by sites
- SURs price is determined by applying the bid percentage to the base price (as per contractor's bid)
- Work can be split between 2 or more contractors
- May have a contractor with 0% of work allocated (on a standby)



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Maintenance SOs 2020-2024

Site	SO # OC	Trades/Métiers
Borden	W3702-20BN01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Kingston	W3713-20KN01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
North Bay	W857A-21NB01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Ottawa	W3719-21WA01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Trenton	W857A-21TR01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Bagotville	W3701-21BA01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, EL, GC, LA, SN
Bagotville	W3701-21BA02/A	PL
Gander	W3709-21GR01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Goose Bay	W3710-21GB01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL
Goose Bay	W3710-21GB02/A	GC, LA, SN
Greenwood	W3711-21GW01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Halifax	W3712-21HX01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Montreal	W3716-20ML01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Montreal	W3716-20ML02/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Montreal	W3716-21ML03/A	HA
Montreal	W3716-21ML04/A	PL
Montreal	W3716-21ML05/A	EL
Valcartier	W857A-21VA01/A	GC, LA
Valcartier	W857A-21VA02/A	CF, AS, MA
Valcartier	W857A-21VA03/A	CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL
Valcartier	W857A-21VA03/A	GC, LA, SN

CFHA

Maintenance SOs 2020-2024



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Site	SO # OC	Trades/Métiers
Cold Lake	W3704-20CL01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Comox	W3705-21CX01/A	CF, AS, MA, CP, RF, HF, PT, VC, CL, HA, PL, EL
Comox	W3705-21CX02/A	HZ
Comox	W3705-21CX03/A	GC, LA, SN
Dundurn	W857A-21DN01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Edmonton	W3706-21ED01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Esquimalt	W3707-21ES01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, GC, LA, SN
Esquimalt	W3707-21ES02/A	HA, PL, EL
Moose Jaw	W3717-21MJ01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL
Moose Jaw	W3717-21MJ02/A	HA, PL
Moose Jaw	W3717-21MJ03/A	EL
Moose Jaw	W3717-21MJ04/A	GC, LA, SN
Shilo	W3721-21SL01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN
Suffield	W3723-21SD04/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL
Suffield	W3723-21SD05/A	GC, LA, SN
Wainwright	W857A-20WR01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL
Wainwright	W857A-20WR02/A	HA, PL
Wainwright	W857A-20WR03/A	EL
Wainwright	W857A-20WR04/A	GC, LA, SN
Winnipeg	W857A-21WG01/A	CF, AS, MA, CP, RF, HF, PT, VC, HZ, CL, HA, PL, EL, GC, LA, SN



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Annex A Statement of Work



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The requirement is described in RFSO Annex A Statement of Work:

- ☐ Statement of Work
- ☐ Appendix 1 Glossary of Terms
- ☐ Appendix 2 Customer Care Requirements
- ☐ Appendix 3 Safety Requirements
- ☐ Appendix 4 Waste Reporting Form
- ☐ Appendix 5 Schedule of Unit Rates
- ☐ Appendix 6 Schedule of Unit Rates Specification
- ☐ Appendix 7 Maintenance Inspection Checklists

Also included :

- Site Map
- SUR Historical Usage report



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Requirement - SURs



- Requirement is to facilitate maintenance work is expressed by the Schedule of Unit Rates codes (SUR) for each trade.
- SUR codes essentially contain all the work one can do to house components.
- Roughly 6000 line items (3000 English and 3000 French).
- Is available in both official languages.
- Have detailed specifications that includes scopes, units of measure, etc.
- Have baseline cost
- Updated every four years

SUR Structure

Work for each construction trade is defined by:

- Schedule of Unit Rates (SUR) (SOW Appendix 5)
 - General Description
 - Basic price
- Specifications
(SOW Appendices 6.1-6.17)

SOR Code	SOR Description	Unit Cost of Schedule Item
CL1000EQ	Inspect and report on work required.	42.56
CL1000FQ	Travaux requis : inspecter et faire rapport.	42.56
CL1001EQ	Coordination of multi-trade, multi-contractor tasks, per residence, per day of project activity.	42.56
CL1001FQ	Coordination des tâches liées à plusieurs corps de métiers et à plusieurs entrepreneurs, par résidence, par jour de projet.	42.56
CL1010EQ	Furniture, clean & polish where necessary, per residence.	82.79
CL1010FQ	Meubles, par résidence : nettoyer et polir au besoin.	82.79
CL1020EQ	Attic, sweep out, any size.	17.24



Price Adjustment: CPI application



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To allow for inflation and other economical factors price adjustment will be made in accordance with the percentage change in the Bank of Canada CORE Consumer Price Index (CPI):

- The price adjustment will apply to the Schedule of Unit Rates (SUR), hourly rate(s) and unit prices,
- Will take place twice: if and when Option 1 and if and when Option 2 is exercised.
- The first adjustment is calculated as the percentage change in the CPI between the January 2020 and January 2022
- The second adjustment is calculated as the percentage change in the CPI between January 2022 and January 2023
- The price adjustment will be in effect during the Option periods only (first one April 1, 2022 –Mar 31, 2023, second one April 1, 2023 – March 31, 2024)



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Annual Work Planning



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- ☐ CFHA occupants move most frequently during the months of April to September annually. This is called our Active Posting Season.
- ☐ The timing for work and resourcing is critical during this time period.
- ☐ This is not to say that CFHA is not busy during the remaining months of the year.
- ☐ SUR historical usage provided within one of the annexes can be utilized to assist you in structuring your business plans, required resources and bid submissions.



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Requirement: Work Hours (ref. SOW para 4.2)



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- Monday to Friday (excluding statutory holidays) 8 am to 5 pm
- Response Times
 - The Contractor must be on site fully prepared to undertake the work and /or working within the priority response time
 - Priority 1 Respond within 1 hour
 - Priority 2 Respond within 24 consecutive hours
 - Priority 3 Respond within 7 calendar days
 - Priority 4 Respond within 14 calendar days
 - Priority 5 Respond within 28 calendar days
 - Priority 6 Respond as specified on the Call-up.



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Requirement: Statutory Holidays (ref. SOW 4.1.2)

1. New Year's Day – January 1
2. Good Friday
3. Easter Monday
4. Victoria Day – First Monday preceding May 25
5. Quebec National Holiday – June 24 (Province of Quebec only)
6. Canada Day – July 1
7. Civic Holiday (first Monday of August in British Columbia, New Brunswick, Northwest Territories, Nunavut, and Saskatchewan, Alberta, Manitoba, Ontario, Nova Scotia, Prince Edward Island)
8. Labour Day – First Monday in September
9. Thanksgiving Day – Second Monday in October
10. Remembrance Day – November 11
11. Christmas Day – December 25
12. Boxing Day – December 26



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Requirement: Emergency Work (ref. SOW 4.2.4)



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Emergency Work

- ☐ Urgent or Emergency work during regular working hours will be identified as Priority 1 Work (1 hour response time).
- ☐ Urgent or Emergency work that was started during normal hours and that is required by the Technical authority to continue beyond normal hours will be treated as after-hours work.
- ☐ The work performed beyond normal hours will be compensated at the after-hours hourly rate.
- ☐ Urgent or Emergency work excludes work done by choice of the Contractor outside normal working hours.

Emergency After Hours Response Service (EAHRS) (ref. SOW 4.2.4.4)



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There are 5 EAHRS trades:

- ☐ Carpentry
- ☐ Roofing
- ☐ Heating and air conditioning
- ☐ Electrical,
- ☐ Plumbing



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Emergency After Hours Response Service (EAHRS) (ref. SOW 4.2.4.4)



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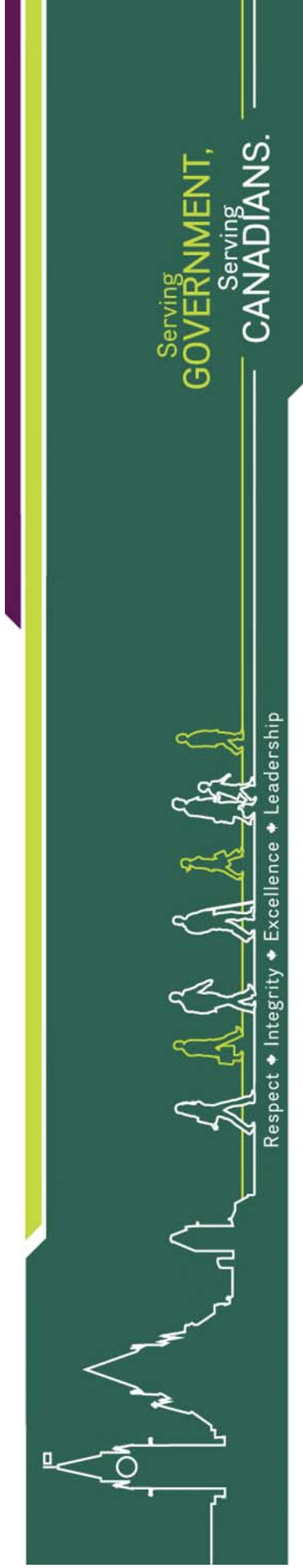
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- Required to provide tradespersons, equipment and materials for emergency repairs 24/7, 365 days per year.
- EAHRS Contractor shall be on location within one hour of notification of a requirement.
- An EAHRS response consists of rendering the situation safe, secure and/or healthy.
- Within 10 minutes of receiving an EAHRS call the contractor shall contact the occupant to obtain further details on the emergency, and if possible fix or render the situation safe while on the telephone with the occupant.



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OFFEROR'S CONFERENCE

Request For Standing Offer RFSO for the provision of Canadian Forces Housing Maintenance Services



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Serving
GOVERNMENT,
Serving
CANADIANS.

Respect ♦ Integrity ♦ Excellence ♦ Leadership

OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Solicitation Closes - L'invitation prend fin
at - à 02:00 PM
on - le 2020-02-03

Time Zone
Fuseau horaire
Eastern Standard Time
EST

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

Telephone No. - N° de téléphone

Facsimile No. - N° de télécopieur

**Name and title of person authorized to sign on behalf of Vendor/Firm
(type or print)**

**Nom et titre de la personne autorisée à signer au nom du fournisseur/
de l'entrepreneur (taper ou écrire en caractères d'imprimerie)**

Signature

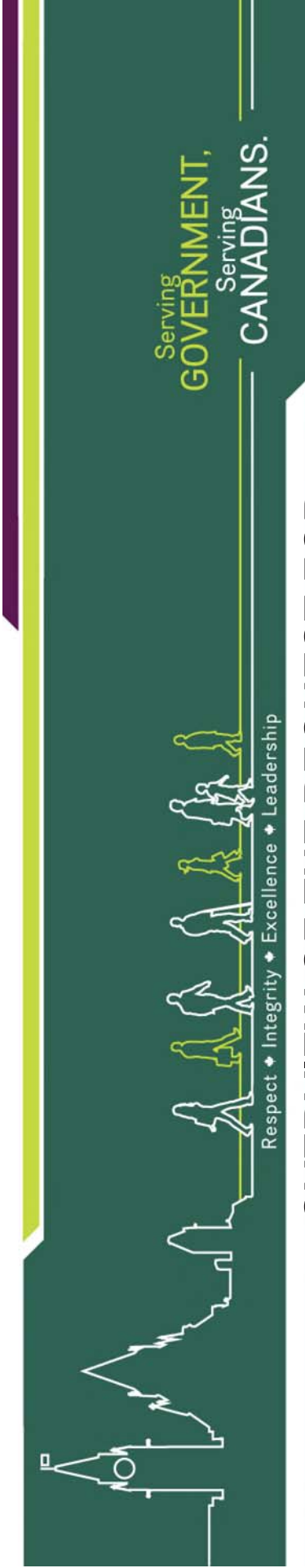
Date



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Offers must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the RFSO.

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des
soumissions - TPSGC
11 LaurierSt./ 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau
Québec
K1A 0S5

Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-02-03	Time Zone Fuseau horaire Eastern Standard Time EST
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Bid Receiving Unit, Procurement Operational
Support Division, telephone 819-420-7200.

Electronic offers are accepted by e-post. Facsimile offers are not accepted.



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

epost Connect service provided by Canada Post Corporation :

For offerors choosing to submit using epost Connect for offers closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Offers will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2006](#), or to send offers through an epost Connect message if the bidder is using its own licensing agreement for epost Connect. [08 \(2019-03-04\) Transmission by facsimile or by epost Connect](#) of Standard Instructions [2006](#).

[Late Offers](#) vs [Delayed Offers](#)



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Standard Instructions

The [2006](#) (2019-03-04) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Offers are valid for 180 days.

[Section 18 \(2012-03-02\) Conflict of interest—unfair advantage](#)



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Offer Preparation Instructions

Hard copies:

- Section I: Technical Offer (three (3) hard copies)
- Section II: Financial Offer (one (1) hard copy)
- Section III: Certifications (one (1) hard copy)
- Section IV: Additional Information (one (1) hard copy)

Electronically:

- Section I: Technical Offer
- Section II: Financial Offer
- Section III: Certifications
- Section IV: Additional Information



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Offer Submission Forms Overview

Section I: Technical Offer

Mandatory Technical Criteria: Refer to Attachment 1 to Part 4.

MT1: Organizational experience in the related field

MT2: References

MT3: Ability to meet response times

MT4: Qualified workforce

The Phased Bid Compliance Process will apply to all mandatory technical criteria.

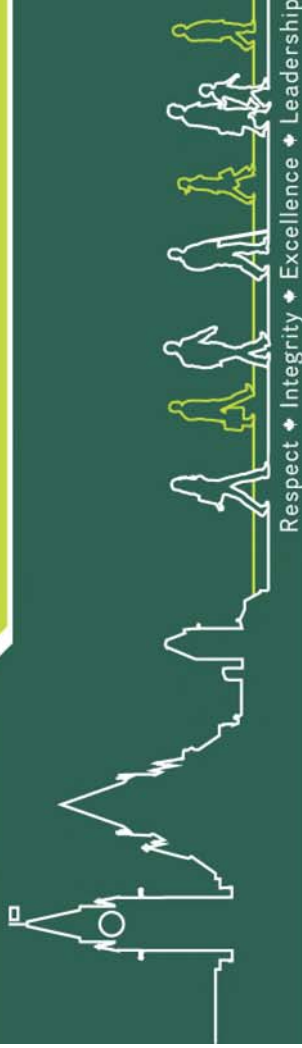
Offers which fail to meet the mandatory technical criteria will be declared non-responsive.



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Bid Submission Forms Overview

Section II: Financial Offer

Financial Evaluation

- The evaluated price of an offer will be determined in accordance with the Pricing Schedule detailed in Attachment 1 to Part 3. The evaluated price is the sum of all Percentage Offers.
- Where a quoted hourly rate is found to be significantly lower or higher than the average quoted hourly rate for a given trade at a given location, PSPC reserves the right to negotiate the hourly rate with the Offeror prior to SO award. Once SO is awarded, the price shall remain firm for a period of the SO.



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Bid Submission Forms Overview

Section III: Certifications

- 5.1.1- Integrity Provisions - Declaration of Convicted Offences, if applicable
- 5.2.1- Integrity Provisions: List of names
- 5.2.2 Federal Contractors Program for Employment Equity - Standing Offer Certification
- 5.3.1- Status and Availability of Resources
- 5.3.2- Education and Experience



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OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

Section IV: Additional information

- Legal name
- PBN
- Contact person
- Part 2, article 3, Former Public Servant, of the Request for Standing Offer: the required answer to each question; and, if the answer is yes, the required information;





OVERVIEW OF THE REQUEST FOR STANDING OFFER SECTIONS

➤ Basis of selection

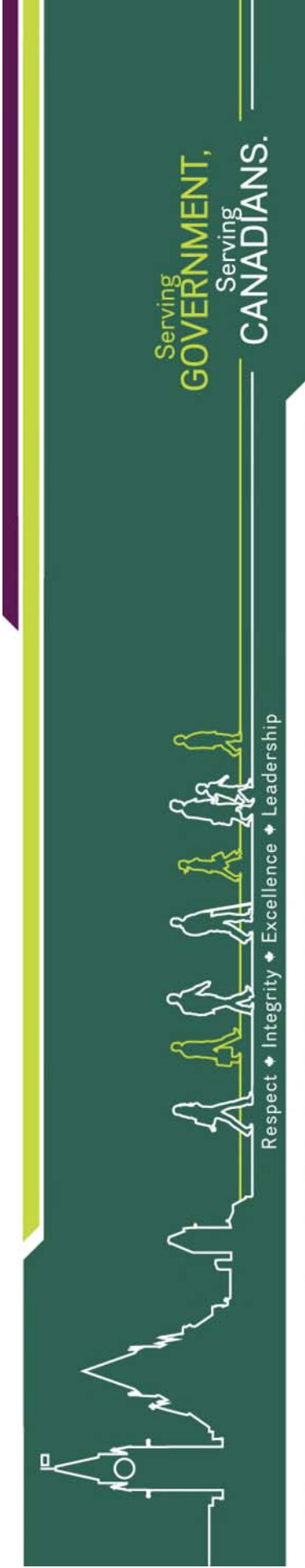
An offer must comply with the requirements of the Request for Standing Offers and meet all mandatory technical evaluation criteria to be declared responsive. The selection shall be based on the sum of the Percentage Offers for all the trades. The two (2) OR three (3) responsive offers with the lowest evaluated price will be recommended for issuance of a standing offer.



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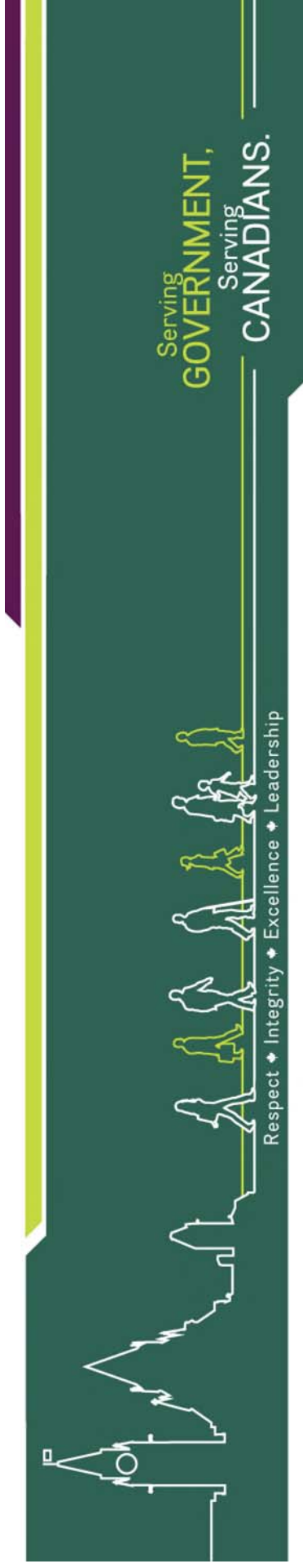
Canada



- The full RFSO copy; amendments and attachments are available online at:
<https://buyandsell.gc.ca/>

Solicitation Documents					
File	Amendment number	Language	Unique Download Event (English page)	Date added	
ABES.PROD.PW_FK.B290.E76575.EBSU000.PDF	000	English	310	2019-03-04	
ABES.PROD.PW_FK.B290.F76575.EBSU000.PDF	000	French	31	2019-03-04	
ABES.PROD.PW_FK.B290.E76575.EBSU001.PDF	001	English	47	2019-03-19	
ABES.PROD.PW_FK.B290.F76575.EBSU001.PDF	001	French	5	2019-03-19	
ABES.PROD.PW_FK.B290.E76575.EBSU002.PDF	002	English	39	2019-03-20	
ABES.PROD.PW_FK.B290.F76575				-03-20	
Attachments					
File	Amendment number	Language			
appendi x a-appendice a.zip	Not available	Bilingual			
annexes.zip	Not available	Bilingual			





STANDING OFFER CLAUSES

[2005 \(2017-06-21\) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.](#)

Section 06 (2014-09-25) Withdrawal

the Offeror must provide no less than 30 days' written notice to the Standing Offer Authority

the Offeror that voluntarily withdraws from the SO will not be allowed to resubmit interest on the same SO for the duration of that SO



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STANDING OFFER CLAUSES

Period of the Standing Offer

2 years plus two (2) additional 1 year optional periods

Security

There is no security requirement applicable to the Standing Offer.

Identified Users

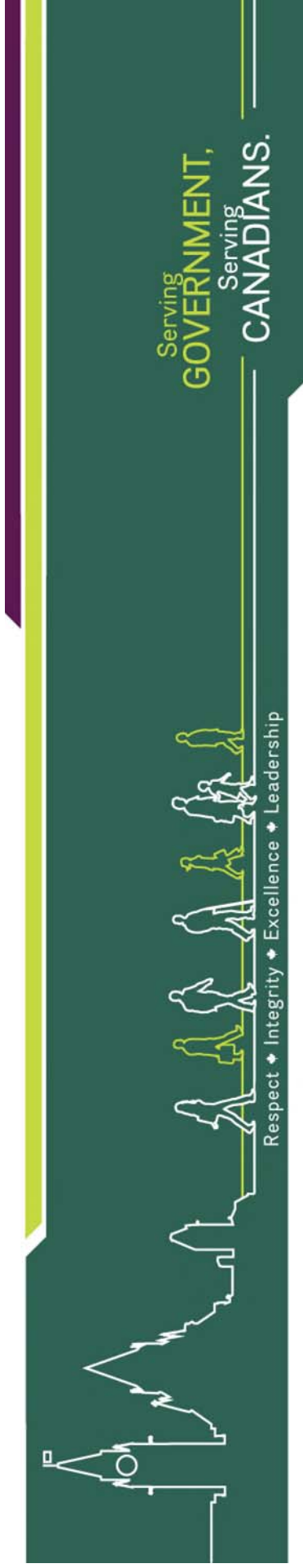
The Identified User authorized to make call-ups against the Standing Offer is Canadian Forces Housing Agency.



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STANDING OFFER CLAUSES

Call-up Procedures

The Identified User will establish the scope of services to be performed.

For three offerors (60%; 40% and 0%): ideal business distribution percentage which has been established as follows; 60% of the business for the top ranked Offeror, 40% for the 2nd ranked Offeror, and 0% for the 3rd ranked Offeror

For two Offerors (100% and 0%): The *Call-ups* will be issued such that the highest ranked Offeror will perform the majority of the work. Canada may offer work to other than the highest ranked Offeror when, in the opinion of Canada, scheduling of work and / or, *Offeror* availability and / or, *Offeror* workload would dictate such distribution.



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STANDING OFFER CLAUSES

Compliance: continuous compliance with the certifications provided by the Offeror with its offer or precedent to issuance of the Standing Offer (SO), and the ongoing cooperation in providing additional information are conditions of issuance of the SO and failure to comply will constitute the Offeror in default

the Offeror shall comply with all codes, laws and regulatory provisions that are applicable to the performance of the Work or any part thereof

the Offeror shall obtain all permits and hold all certificates and licenses for the performance of the Work.

the Offeror shall produce evidence that the proposed Subcontractor and/or his/her trades people to be assigned to that part of the Work are so registered or licensed.



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STANDING OFFER CLAUSES

Insurance Requirements

The Offeror must forward to the Standing Offer Authority within ten (10) days after the date of award of the Standing Offer, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force.

ANNEX C

- 1. COMMERCIAL GENERAL LIABILITY INSURANCE**
- 2. ENVIRONMENTAL IMPAIRMENT LIABILITY INSURANCE**



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RESULTING CONTRACT CLAUSES (CALL UPS OR WORK ORDERS)

General Conditions

[2035 \(2018-06-21\), General Conditions - Higher Complexity - Services, apply to and form part of the Contract.](#)

Workers' Compensation

Prior to commencement of Work, at the time of Substantial Performance of the Work, and prior to issuance of the Certificate of Completion,

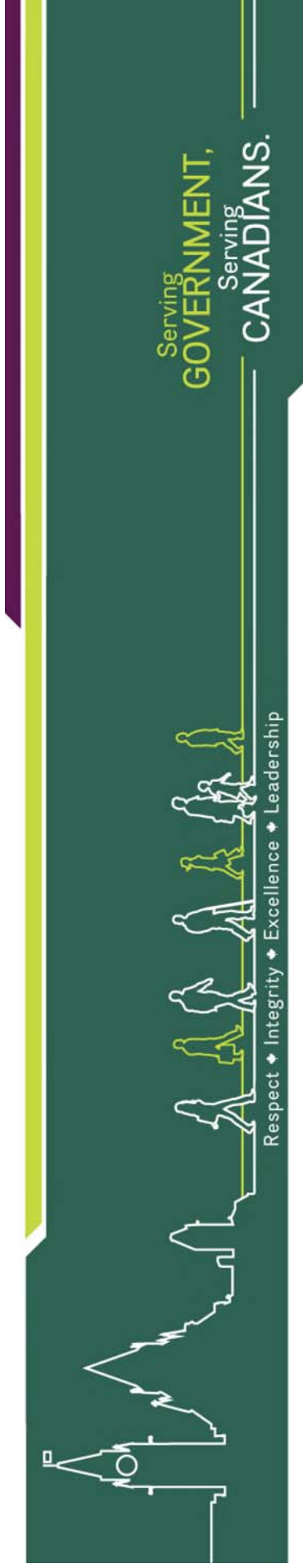
At any time during the term of the Contract, when requested by Canada,



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RESULTING CONTRACT CLAUSES (CALL UPS OR WORK ORDERS)

Payment

Firm Price

Firm Hourly Rates

Other Direct Expenses – Hot Work Permit Fees

Limitation of expenditure

CPI: The price adjustment will be made in accordance with the percentage change in the Bank of Canada CORE Consumer Price Index (CPI). The Schedule of Unit Rates (SUR), hourly rate(s) and unit prices, as applicable, will be adjusted at the two-year anniversary of the start date of the SO by calculating the percentage change in the CPI between the January 2020 and January 2022.

Percentages in Table A will not be adjusted.



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RESULTING CONTRACT CLAUSES (CALL UPS OR WORK ORDERS)

Call-up Price:

Unforeseen items of work arising during the term of the SO which are not in the SUR shall be done by hourly rates plus the applicable laid-down cost of Materials with a 10% mark-up (applied to the Material only).

Where items are only available in pre-set quantities or measurements, the Contractor will be paid the laid-down cost with a 10% mark-up of the Material used only.

Contractor shall be paid for each Call-up a minimum of eighty dollars (\$80), or the actual invoice amount if it exceeds the minimum amount.



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RESULTING CONTRACT CLAUSES (CALL UPS OR WORK ORDERS)

Call up Price:

Payment for After Hours Work and Priority 1 Work (as per SOW, section 4): emergency work outside the normal working day (ref. Annex A, SOW, Para 4.2)

payment shall be made at the after-hours hourly rates multiplied by the number of hours worked.

The after-hours hourly rates will be calculated at 1.5 times the regular hourly rate indicated on the Offer Form

The contractor will be reimbursed at the regular hourly rate for the total travel time (the sum of To and From the Contractor's business address), rounded up to the next hour to a maximum of 2 hours



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RESULTING CONTRACT CLAUSES (CALL UPS OR WORK ORDERS)

Where the Contractor begins work on a Priority 1 Call Up within the normal work day and continues until after 5pm, he will be paid the value of the SUR code(s) (if applicable) plus their % Offer, plus the time spent after 5pm at the after-hours hourly rate.

Materials used will be paid at a laid down cost plus a 10% mark-up.

Materials will be supplied FOB Destination including all delivery charges.

Methods of Payment

Single Payment upon delivery and acceptance.



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RESULTING CONTRACT CLAUSES (CALL UPS OR WORK ORDERS)

Pre-Commencement Meeting

A pre-commencement meeting is mandatory for the Contractor prior to commencing any work.

The Contractor is to supply the Technical Authority with a copy of its safety policy as required by the applicable Provincial Occupational Safety and Health Regulations.



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Any resulting questions must be submitted in writing to

Amanda Assi

Amanda.assi@tpsgc-pwgsc.gc.ca

Maxime Dallaire

Maxime.dallaire@tpsgc-pwgsc.gc.ca

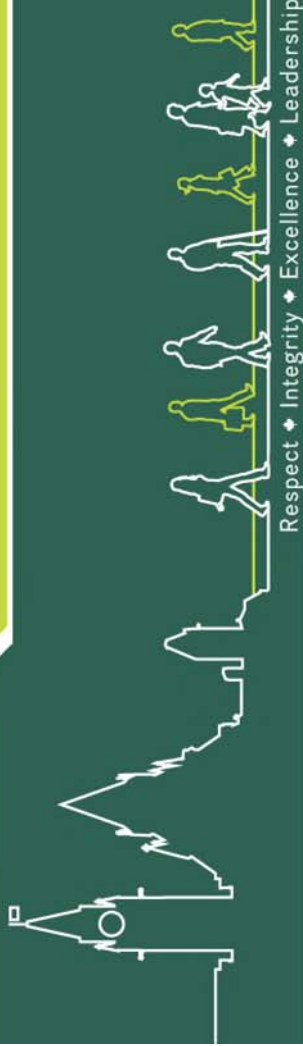
seven (7) calendar days before the Request for Standing Offers (RFSO) closing date



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Thank you for your participation!



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SUR Code Selection List - English

Liste des Taux Unitaires - Anglais

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

GENERAL

SOR Code	SOR Description	Unit	Base Price
HA1000EV	Inspect and report on work required.	EA	45.20
HA1001EV	Coordination of multi-trade, multi-contractor tasks, per residence, per day of project activity.	EA	21.30
HA1095EV	Winter watchman, includes 4.5 m (14 ft-9 1/8 in) elect cord, plug and light socket with red bulb - Supply and install.	EA	109.80
HA1145EV	Fireplace fan motor - Replace.	EA	433.80
HA1150EV	Fireplace fan switch - Replace.	EA	69.40
HA1170EV	Smoke alarm or Carbon Monoxide detector, 9 Volt (1) or AA (2) battery, as per manufacturer's instructions - Replace.	EA	20.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

SERVICE AND INSPECTION

SOR Code	SOR Description	Unit	Base Price
HA1010EV	Air duct system, house - Clean.	EA	433.80
HA1032EV	Chimney, B-vent / liner - Inspect and report.	EA	92.40
HA1036EV	Furnace and HRV, including replace air filters adjust and relight - Inspect, report, clean and service.	EA	197.20
HA1045EV	Furnace and HWT, including replace air filters adjust and relight - Inspect, report, clean and service.	EA	202.20
HA1046EV	Furnace, HWT and HRV, including replace air filters adjust and relight - Inspect, report, clean and service.	EA	244.10
HA1051EV	Furnace, HWT and HRV, including replacement of fuel oil filter (oil furnace), air filter, nozzle, and clean out - Inspect, report, clean and service.	EA	283.50
HA1052EV	Furnace, filter rack - Replace or supply and install.	EA	92.40
HA1055EV	Boiler - Inspect, report, clean, and service.	EA	386.50
HA1056EV	Furnace, including replace air filters adjust and relight - Inspect, report, clean and service.	EA	155.50
HA1057EV	HRV - Inspect, report and service.	EA	82.60
HA1067EV	Gas fireplace - Inspect, report and service.	EA	159.00
HA1105EV	Ventor motor - Clean and service.	EA	43.40
HA1110EV	Flame rod gas furnaces - Clean and service.	EA	52.10
HA1165EV	Forced air heating system air flows, per housing unit - Balance.	EA	60.70
HA2390EV	Furnace air filters, disposable - Replace.	EA	16.50
HA2391EV	Smoke alarm, Carbon Monoxide detector or Combination unit (smoke alarm/CO detector), operation, per dwelling (up to 10 alarms) - Check.	EA	41.70
HA2397EV	Central air conditioning, (furnace mounted units), per residence - Inspect, report and service.	EA	205.10
HA2399EV	HWT, gas, conventional, or power vented - Inspect, report and service.	EA	92.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONER - GENERAL

SOR Code	SOR Description	Unit	Base Price
HA1246EV	Central air conditioner unit, level - Resecure.	EA	98.60

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONER - UNITS

SOR Code	SOR Description	Unit	Base Price
HA1220EV	Central air conditioner, minimum 14 SEER, complete system includes coils, lines, electrical, refrigerant disposal, mounting, brackets, up to 2 tonnes - Supply and install.	EA	4,067.60
HA1230EV	Central air conditioner, minimum 14 SEER, complete system includes coils, lines, electrical, refrigerant disposal, mounting, brackets, up to 2 tonnes - Replace.	EA	4,252.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONER - CONDENSER

SOR Code	SOR Description	Unit	Base Price
HA1240EV	Air conditioner Condenser - Clean.	EA	113.40
HA1242EV	Air conditioner Condenser capacitor - Replace.	EA	58.50
HA1244EV	Air conditioner Condenser contactor - Replace.	EA	96.10
HA1245EV	Air conditioner Condenser fan motor - Replace.	EA	766.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONING - DRAIN

SOR Code	SOR Description	Unit	Base Price
HA1247EV	Air conditioner drain line fitting - Replace.	EA	51.80
HA1250EV	Air conditioner drain line - Flush.	EA	43.20
HA1255EV	Air conditioner drain line - Replace.	M	18.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONER - ELECTRICAL

SOR Code	SOR Description	Unit	Base Price
HA1260EV	Air conditioner low voltage wire, includes disconnect and reconnect, per Air conditioner unit - Clean.	EA	30.80
HA1262EV	Air conditioner disconnect box - Replace.	EA	73.90
HA1264EV	Air conditioner low voltage wire (18/2) - Replace.	M	30.80
HA1265EV	Air conditioner liquid tight connector for high voltage wire - Replace.	EA	27.10
HA1266EV	Air conditioner liquid tight insulation for high voltage wire - Replace.	M	30.80
HA1267EV	Air conditioner high voltage wires (12/2) - Replace.	M	16.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONER - EVAPORATOR

SOR Code	SOR Description	Unit	Base Price
HA1270EV	Air conditioner evaporator, TX valve - Replace.	EA	258.90
HA1271EV	Air conditioner evaporator, using evaporator cleaner - Clean.	EA	234.20
HA1272EV	Air conditioner evaporator coil - Replace.	EA	936.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR CONDITIONER - LINE SET

SOR Code	SOR Description	Unit	Base Price
HA1280EV	Air conditioner line set filter - Replace.	EA	351.30
HA1281EV	Air conditioner line set 3/8 in or 3/4 in, first metre, includes all associated fittings and insulation - Replace.	EA	246.60
HA1282EV	Air conditioner line set 3/8 in or 3/4 in, includes all associated fittings and insulation. To be used with code HA1281 for each additional metre - Replace.	M	37.00
HA1283EV	Air conditioner line set insulation - Replace.	M	18.50
HA1290EV	Air conditioner refrigerant, per line set - Replace.	EA	246.60
HA1292EV	Air conditioner line set, using dye or nitrogen - Check.	EA	221.80

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR OUTLETS AND INLETS - GRILLES AND REGISTERS TO MATCH CP

SOR Code	SOR Description	Unit	Base Price
HA2550EV	Supply air grille / register, operable, floor, wall or ceiling mounted, 100 mm x 210 mm (4 in x 20 in), metal - Replace or supply and install.	EA	35.10
HA2552EV	Supply air grille / register, operable, floor, wall or ceiling mounted, 100 mm x 210 mm (4 in x 20 in), metal, per additional grille - Replace or supply and install.	EA	23.40
HA2554EV	Return air grille, inoperable, floor, wall or ceiling mounted, any size, metal, first grille - Replace or supply and install.	EA	53.70
HA2556EV	Return air grille, inoperable, floor, wall or ceiling mounted, any size, metal, per additional grille when combined with HA2554 - Replace or supply and install.	EA	42.10
HA2558EV	Supply air grille / register, operable, floor, wall or ceiling mounted, non-standard size, metal, first grille - Replace or supply and install.	EA	40.90
HA2560EV	Return air grille, inoperable, heavy duty, return air or supply air, metal - Replace or supply and install.	EA	67.80
HA2561EV	Supply air grille / register, operable, floor, wall or ceiling mounted, non-standard size, metal, per additional grille when combined with HA2558 - Replace or supply and install.	EA	29.20
HA2562EV	Supply air grille / register, operable, floor mounted, any size, plastic - Replace or supply and install.	EA	32.00
HA2566EV	Return air grille, inoperable, floor mounted, from hardwood to standard steel, includes repair to hardwood floor as required - Replace or supply and install.	EA	200.30
HA2567EV	Grille or Register, in wall, floor or ceiling - Resecure.	EA	21.30

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR OUTLETS AND INLETS - LOUVERS

SOR Code	SOR Description	Unit	Base Price
HA2578EV	Louver, aluminum, 356 mm x 610 mm (1 ft-2 in x 2 ft), includes screen - Replace or supply and install.	EA	52.50
HA2582EV	Louver, aluminum, 457 mm x 610 mm (1 ft-6 in x 2 ft), includes screen - Replace or supply and install.	EA	62.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

AIR OUTLETS AND INLETS - VENTS

SOR Code	SOR Description	Unit	Base Price
HA1994EV	Vent connector pipe, single wall c/w fittings and elbows (for gas fired furnaces and HWT), sizes up to and including 152.4mm (6 in) - Replace or supply and supply.	M	104.10
HA1995EV	Double wall vent pipe (B-vent), existing vent from bottom of the existing double wall vent to the basement side of the chimney chase, includes 1 ea -B- vent elbow, 1 each -B- vent draft hood connector, up to 305 mm (12 in) of -B- vent and fire stop. (For units with internal chimney chase) - Replace or supply and install.	EA	274.60
HA1996EV	Double wall vent pipe (B-vent), existing vent from bottom of the existing double wall vent to the basement side of the chimney chase, includes 1 ea -B- vent elbow, 1 each -B- vent draft hood connector, up to 305 mm (12 in) of -B- vent and fire stop. (For units with external chimney chase) - Replace or supply and install.	EA	457.60

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

BOILERS - GENERAL

SOR Code	SOR Description	Unit	Base Price
HA1300EV	Boiler, seasonal - Shut down.	EA	38.20
HA1310EV	Boiler, seasonal, including chemical levels adjustment. - Start up.	EA	113.70
HA1320EV	Hydronic heating, bleeder, from radiator type to manual thumb wheel type - Replace.	EA	57.20
HA1330EV	Radiator, per unit - Bleed air and re-tighten.	EA	26.10
HA1340EV	Radiator, complete unit, (max 18 Rads), per housing unit - Bleed air and re-tighten.	EA	130.10

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

BOILERS - BOILER REPAIRS

SOR Code	SOR Description	Unit	Base Price
HA1420EV	Boiler, zone valve - Replace.	EA	246.40
HA1430EV	Boiler, cast iron radiator - Remove.	EA	65.90
HA1475EV	Boiler, backflow preventer - Replace.	EA	246.40
HA1480EV	Boiler, circulating pump - Replace.	EA	568.30
HA1510EV	Boiler, TandP valve, safety relief,. up to 2.5 cm (1 in) - Replace.	EA	142.40
HA1515EV	Boiler, combination pressure relief and pressure regulator - Replace.	EA	284.60
HA1516EV	Boiler, combination pressure and temperature dial, 635 mm (2 ft-1 in) - Replace.	EA	142.40
HA1520EV	Boiler, automatic air vent - Replace.	EA	113.70
HA1530EV	Boiler, zone valve actuator and sensor - Replace.	EA	272.50
HA1540EV	Boiler, thermostatic radiator valve, includes control - Replace.	EA	302.80
HA1550EV	Boiler, spring coupler - Replace.	EA	76.40
HA1630EV	Boiler, expansion tank, glass sight gauge valve, brass - Replace.	EA	227.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

BOILERS - BOILERS UNITS AND TANKS

SOR Code	SOR Description	Unit	Base Price
HA1700EV	Boiler, medium efficiency gas, std control, 26.3 kW (90 000 BTU) - Replace.	EA	4,165.20
HA1730EV	Hydronic expansion tank - Replace.	EA	433.80

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONING

PUMPS - CONDENSATE AND CIRCULATION

SOR Code	SOR Description	Unit	Base Price
HA1800EV	Pumps, furnace condensate pump - Replace.	EA	204.80
HA1820EV	Pumps, circulator, bearing assembly with Impeller, 1/12 hp - Replace or supply and install.	EA	341.10
HA1840EV	Pumps, circulator, 1/12 hp, whole unit complete - Replace or supply and install.	EA	927.60
HA1860EV	Pumps, circulator, coupler, cast iron, for 1/12 - 1/6 hp - Replace or supply and install.	EA	94.60
HA1890EV	Pumps, circulator, bearing assembly and motor - Check and lubricate.	EA	47.70
HA1910EV	Pumps, circulator motor, 1/12 hp - Replace or supply and install.	EA	487.70
HA1930EV	Pumps, Recirculator, 1/25 hp, complete unit - Replace or supply and install.	EA	252.40
HA1941EV	Pumps, circulator, 1/6 hp, complete unit - Replace or supply and install.	EA	1,596.60

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

DUCTS

SOR Code	SOR Description	Unit	Base Price
HA1060EV	Duct hangers - Repair / replace.	EA	9.60
HA1945EV	Branch lines, Y- or -T- fittings - Supply and install.	EA	94.60
HA1950EV	Duct, 200 mm x 355 mm (7 7/8 in x 1 ft-2 in) - Replace.	M	87.10
HA1955EV	Duct, 200 mm x 510 mm (7 7/8 in x 1 ft-8 in) - Replace.	M	128.70
HA1960EV	Duct elbow, 300 mm x 355 mm (11 3/4 in x 1 ft-2 in) - Replace.	EA	94.60
HA1965EV	Duct elbow, 300 mm x 510 mm (11 3/4 in x 1 ft-8 in) - Replace.	EA	136.30
HA1975EV	Duct, furnace plenum, up to 200 mm x 510 mm (7 7/8 in x 1 ft-8 in) - Replace.	EA	85.00
HA1976EV	Duct, volume damper, 30 gauge, galvanized, 177 mm to 200 mm (7 in to 7 7/8 in) - Replace or supply and install.	EA	31.50
HA1985EV	Duct reducer, up to 200 mm x 408 mm (7 7/8 in x 1 ft-4 in) to 200 mm x 355 mm (7 7/8 in x 1 ft-2 in) - Replace.	EA	94.60
HA1986EV	Furnace duct, boot on duct - Resecure.	EA	19.10
HA1987EV	Furnace, duct branch and register, 150 mm to 200 mm (6 in x 7 7/8 in) diam. Includes volume damper - Replace.	M	66.30
HA1988EV	Warm air supply runs 127 mm (5 in) including all supports, boots at main and floor, air diffusers, damper with key, including elbows and cutting of holes - Replace or supply and install.	M	69.40
HA1989EV	Warm air supply runs 152.4 mm (6 in) including all supports, boots at main and floor, air diffusers, damper with key, including elbows and cutting of holes - Replace or supply and install.	M	83.30
HA1990EV	Patch hole in duct work up to 406.4 mm x 406.4 mm (16 in x 16 in) - Supply and install.	EA	43.40
HA1991EV	Patch hole in duct work up to 406.4 mm x 406.4 mm (16 in x 16 in) if used with other HA line item - Supply and install.	EA	26.10
HA1992EV	Insulated flexible duct, up to 152.6mm (6 in), includes mounting hardware - Replace or supply and install.	M	18.50
HA1993EV	Flexible plenum adapter, any size - Replace or supply and install.	EA	173.50
HA1997EV	Fresh air duct, includes patching duct up to 406 mm x 406 mm (16 in x 16 in) - Remove and dispose.	EA	30.80

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

GAS - GENERAL

SOR Code	SOR Description	Unit	Base Price
HA2010EV	Furnace, gas, high efficiency forced air, direct drive, 11.72 kW (40 MBH), 17.57 kW (60 MBH), 23.40 kW (80 MBH) or 29.3kW (100 MBH) as per CFHA representative - Replace.	EA	3,081.40
HA2020EV	Furnace, gas, high efficiency forced air, direct drive, 35.10 kW (120 MBH) including filter rack, plenum connectors, and condensate pump - Replace.	EA	3,697.80
HA2060EV	Pilot light, set / light - Check.	EA	43.40
HA2061EV	Venting, screen, size to suit, up to 3 screens per housing unit - Replace or supply and install.	EA	71.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

GAS - GAS REPAIRS

SOR Code	SOR Description	Unit	Base Price
HA2100EV	Gas furnace, spark ignitor - Replace.	EA	170.00
HA2110EV	Gas furnace, pilot burner assembly - Replace.	EA	102.40
HA2120EV	Gas furnace, automatic gas control valve - Replace.	EA	473.80
HA2130EV	Gas furnace, electric ignition system, includes control module and ignitor - Replace.	EA	662.90
HA2142EV	Gas furnace / water heater / fireplace, thermocouple, flame sensor or rod, includes relight pilot - Replace.	EA	111.00
HA2143EV	Gas furnace / water heater / fireplace, thermopile - Replace.	EA	147.50
HA2144EV	Gas furnace / water heater / fireplace, ignitor assembly - Replace.	EA	144.00
HA2150EV	Gas furnace, hot surface ignitor - Replace.	EA	175.30
HA2160EV	Gas furnace, electronic module - Replace.	EA	477.30
HA2170EV	Gas, furnace back pressure switch - Replace.	EA	161.40
HA2180EV	Gas, furnace burners and orifices - Clean, adjust and relight.	EA	94.60
HA2190EV	Gas, burner from boiler - remove.	EA	94.60
HA2210EV	Gas, burner in furnace - Replace.	EA	378.30
HA2215EV	Gas, supply flexible connector - Replace.	EA	51.20
HA2220EV	Gas, safety shut-off valve - Replace.	EA	270.80
HA2230EV	Gas, supply cock - Replace.	EA	65.90
HA2240EV	Gas, supply pressure regulator - Replace.	EA	171.80
HA2243EV	Gas leak (Tightening of fittings only), includes all fittings on affected line - Check and repair	EA	78.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

GAS AND OIL REPAIRS

SOR Code	SOR Description	Unit	Base Price
HA2241EV	Furnace, run capacitor for direct drive motor - Replace	EA	69.40
HA2300EV	Furnace, blower and motor combination - Replace.	EA	634.30
HA2310EV	Furnace, blower shaft and bearings - Replace.	EA	265.50
HA2312EV	Furnace, combustion air pot - Replace.	EA	94.60
HA2320EV	Furnace, fan and limit controls - Replace.	EA	197.00
HA2325EV	Furnace, fan - Repair.	EA	104.10
HA2328EV	Furnace, gas, flame sensor or flame rod - Replace.	EA	104.10
HA2330EV	Furnace, belt drive / direct drive fan motor - Replace.	EA	416.50
HA2340EV	Furnace, flow switch - Replace.	EA	314.10
HA2350EV	Furnace, low voltage fuse - Replace.	EA	38.20
HA2360EV	Furnace, pulley and belt - Replace.	EA	145.70
HA2370EV	Furnace, transformer, low voltage - Replace.	EA	85.00
HA2375EV	Furnace, fan summer / winter switch, with all associated wiring, mounted on furnace - Replace or supply and install.	EA	94.60
HA2400EV	Furnace, fan belt - Replace.	EA	43.40
HA2410EV	Furnace, CO2 and CO test (both tests) - Conduct and report.	EA	104.10
HA2420EV	Furnace, bearings on blower, per set - Replace.	EA	123.20
HA2440EV	Furnace, purge fan, Mid Efficiency - Replace.	EA	539.80
HA2445EV	Furnace, induced blower assembly, High Efficiency - Replace.	EA	805.30
HA2447EV	Furnace, drip leg - Replace.	EA	121.50
HA2450EV	Furnace, blower and pulley - Replace.	EA	302.80
HA2460EV	Furnace, blower and pulley - Remove / rework and reinstall.	EA	113.70
HA2480EV	Furnace, boiler / furnace, draft control damper, motorized - Replace.	EA	142.40
HA2485EV	Furnace, panel / door switch - Replace.	EA	57.20

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

HRV / ERC - MECHANICAL VENTILATION SYSTEMS

SOR Code	SOR Description	Unit	Base Price
HA1211EV	HRV, includes all necessary fittings and connectors and controls, set-up, and balancing - Replace.	EA	3,081.40
HA1212EV	HRV, includes all necessary ducting, fittings and connectors, controls, set-up, and balancing - Supply and install.	EA	3,697.80
HA1213EV	HRV / ERV, air intake and exhaust damper motor assembly - Replace.	EA	197.20
HA1214EV	HRV / ERV, filter core - Replace, supply and install.	EA	135.60
HA1215EV	HRV / ERV, fan motor - Replace, Supply and install.	EA	363.60
HA1216EV	HRV / ERV, main control - Replace, supply and install.	EA	219.40
HA1217EV	HRV / ERV, 20 minute timer - Replace, supply and install.	EA	40.20
HA1218EV	HRV / ERV, interior all dampers - Replace.	EA	92.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

PIPING - GENERAL

SOR Code	SOR Description	Unit	Base Price
HA2899EV	Gas line for gas stove, valve below floor level, includes cap off line after valve and test for leaks - Remove and relocate.	EA	132.80
HA2900EV	Rad coil, air vent, pneumatic valve - Replace.	EA	115.40
HA2910EV	Rad coil, air vent, pneumatic valve, additional in same unit when combined with HA2900 - Supply and install.	EA	57.20
HA2920EV	Element, rad coil - Clean.	EA	65.90
HA2930EV	Element, rad coil, additional in same unit when combined with HA2920 - Clean.	EA	17.30
HA2938EV	Mechanical joint, leak on drain pipe - Fix.	EA	34.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

PIPING - BLACK IRON

SOR Code	SOR Description	Unit	Base Price
HA3000EV	Pipe section, up to 51 mm (2 in) black iron - Remove.	M	37.00
HA3010EV	Pipe section, up to 19 mm (3/4 in) black iron, includes pipe stays and one fitting per cut length - Replace or supply and install.	M	78.00
HA3020EV	Pipe section, 25 mm (1 in) black iron, includes pipe stays and one fitting per cut length - Replace or supply and install.	M	80.70
HA3030EV	Pipe section, 32 mm (1 1/4 in) black iron, includes pipe stays and one fitting per cut length - Replace or supply and install.	M	112.80
HA3040EV	Pipe section, 38 mm (1 1/2 in) black iron, includes pipe stays and one fitting per cut length - Replace or supply and install.	M	116.30
HA3050EV	Pipe section, 51 mm (2 in) black iron, includes pipe stays and one fitting per length - Replace or supply and install.	M	144.00
HA3055EV	Black iron fitting, up to 19.05 mm (3/4 in) - Replace or supply and install.	EA	24.60
HA3065EV	Black iron fitting, 25.4 mm (1 in) to 31.75 mm (1 1/4 in) - Replace or supply and install.	EA	34.60
HA3075EV	Black iron fitting, 38.1 mm (1 1/2 in) to 50.8 mm (2 in) - Replace or supply and install.	EA	39.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

PIPING - PLASTIC

SOR Code	SOR Description	Unit	Base Price
HA3400EV	Pipe CPVC, S636, 13 mm (1/2 in), includes one fitting or adapter per cut length - Replace or supply and install.	M	17.30
HA3420EV	Pipe CPVC, S636, 19 mm (3/4 in), includes one fitting or adapter per cut length - Replace or supply and install.	M	26.10
HA3460EV	Pipe ABS, PVC, CPVC or S636, 51 mm (2 in), includes one fitting per cut length - Replace or supply and install.	M	47.40
HA3470EV	Pipe, ABS, PVC, CPVC or S636, 75 mm (3 in), includes one fitting or adapter per each cut length - Replace or supply and install.	M	55.60
HA3480EV	Fittings, up to 51 mm (1/2 in to 2 in), ABS / PVC / CPVC / S636, per fitting - Supply and install.	EA	26.50
HA3546EV	Pipe, solvent weld, 100 mm (4 in) cap - Supply and install.	EA	26.10
HA3561EV	Concentric vent (CVENT) kit, PVC - Replace or supply and install.	EA	184.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

THERMOSTATS

SOR Code	SOR Description	Unit	Base Price
HA4030EV	Thermostat, low voltage, programmable - Replace.	EA	160.20
HA4042EV	Thermostat, 10 m (32 ft-9 3/4 in) maximum run - Relocate.	EA	113.70
HA4043EV	Thermostat - Resecure.	EA	49.30
HA4044EV	Thermostat, low voltage, non-programmable, includes all associated wiring and materials, up to 10 m (32 ft-9 3/4 in) - Supply and install.	EA	226.50
HA4045EV	Thermostat, low voltage, non-programmable - Replace.	EA	112.80
HA4046EV	Thermostat wiring, 18/3, 18/2. Concealed in the wall - Replace	M	10.50
HA4047EV	Thermostat wiring, 18/4, 18/5. Concealed in the wall - Replace.	M	11.20
HA4050EV	Thermostat, low voltage, programmable, includes all associated wiring and materials, up to 10 m (32 ft-9 3/4 in) - Supply and install.	EA	273.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

VALVES - PRESSURE REDUCING

SOR Code	SOR Description	Unit	Base Price
HA4076EV	Valve, pressure reducing valve, any size - Replace or supply and install.	EA	142.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

HEATING & AIR CONDITIONNING

VENTING

SOR Code	SOR Description	Unit	Base Price
HA4100EV	Chimney, T cap, prefabricated, gas, double wall, galv. steel, 150 mm (6 in) diam. - Supply and install.	EA	142.40
HA4110EV	Chimney, T cap, prefabricated, gas, double wall, galv. steel, 150 mm (6 in) diam. - Replace.	EA	161.40
HA4142EV	Flue liner, aluminum, 102 mm (4 in) - 153 mm (6 in), includes caps and tees if required - Replace or supply and install.	M	37.80

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

GENERAL

SOR Code	SOR Description	Unit	Base Price
PL1000EV	Inspect and report on work required.	EA	45.20
PL1001EV	Coordination of multi-trade, multi-contractor tasks, per residence, per day of project activity.	EA	21.30
PL1097EV	Plastic access hatch, up to 355 mm x 355 mm (up to 14 in x 14 in), PVC, includes patch and paint surrounding area where required - Replace or supply and install.	EA	82.20
PL1098EV	Steel access hatch, 203 mm x 203 mm up to 305 mm x 305 mm (8 in x 8 in up to 12 in x 12 in), includes patch and paint surrounding area where required - Supply and install.	EA	108.10

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

SERVICE AND INSPECTION

SOR Code	SOR Description	Unit	Base Price
PL4770EV	Sump pump - Inspect and service.	EA	111.50
PL4813EV	Back Water valve device - Inspect and service.	EA	91.40
PL5200EV	Flow through residential sprinkler system, per residence - Inspect and report.	EA	96.20
PL5205EV	HWT / Sump Pump / Back Water Valve, per residence - Inspect and service.	EA	252.40
PL5220EV	Boiler - Inspect and report clean, and service.	EA	294.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

EXCAVATION

SOR Code	SOR Description	Unit	Base Price
PL1002EV	Backhoe / excavator and operator, per half day - Excavate and backfill.	EA	622.00
PL1003EV	Backhoe / excavator and operator, per full day - Excavate and backfill.	EA	961.20
PL1004EV	By hand - Excavate and backfill.	HR	45.20
PL1005EV	Backhoe / excavator and operator, per hour - Excavate and backfill.	EA	226.20
PL1011EV	Bobcat / excavator and operator, per hour.	EA	113.10
PL1012EV	Bobcat / excavator and operator, per half day.	EA	508.90
PL1013EV	Bobcat / excavator and operator, per full day.	EA	848.10
PL5505EV	Float fee for equipment (bobcat / excavator) includes drop off and pick up	EA	200.00
PL5510EV	Hydrovac, per hour.	EA	200.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

WINTERIZING / DEWINTERIZING

SOR Code	SOR Description	Unit	Base Price
PL1008EV	Boiler system (blow supply and returns with compressed air until void of water and / or treated water) - Drain.	EA	167.60
PL1010EV	Winterize house, includes drain all water lines, anti-freeze all traps, purge all water lines with compressed air until void of water. To be used after closure of curb stop by Authority Having Jurisdiction.	EA	73.80
PL1020EV	De-winterize house, turn on water, check all fixtures, light all pilots. To be used after opening of curb stop by Authority Having Jurisdiction.	EA	63.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPE THAWING AND ASSOCIATED REPAIR

SOR Code	SOR Description	Unit	Base Price
PL1025EV	Frozen or damaged pipe, 12.7 mm - 19 mm (1/2 in - 3/4 in) copper includes any fittings required, one split - Repair.	EA	48.00
PL1027EV	Frozen or damaged pipe, 12.7 mm - 19 mm (1/2 in - 3/4 in) copper includes any fittings required, each additional split when combined with PL1025 - Repair.	EA	30.10
PL1035EV	Pipe, frozen. Per housing unit (1 hour on site) - Thaw.	EA	83.90
PL1067EV	Roof vent - Thaw.	EA	63.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FLOOD / SEWER BACK UP

SOR Code	SOR Description	Unit	Base Price
PL1070EV	Flood / sewer back up, includes assessment, drying and clean up, for basement floors impacted by sewer back up/flood, per vacant RHU - Restore.	EA	565.40
PL1080EV	Flood / sewer back up, includes assessment, drying and clean up, for basement floors impacted by sewer back up/flood, per occupied RHU - Restore.	EA	678.50
PL1085EV	Flood / sewer back up, by IICRC certified firm, including assessment, development of a plan and drying goals, drying and clean up, for basement floors and equipment impacted by sewer back up/flood, per vacant RHU - Restore.	EA	1,696.20
PL1086EV	Flood / sewer back up, by IICRC certified firm, including assessment, development of a plan and drying goals, drying and clean up, for basement floors and equipment impacted by sewer back up/flood, per occupied RHU - Restore.	EA	2,261.60
PL1091EV	Flood / sewer back up, by IICRC certified firm, including assessment, development of a plan and drying goals, drying and clean up, for basement floors, equipment and building materials impacted by sewer back up/flood, per vacant RHU - Restore.	EA	2,827.00
PL1092EV	Flood / sewer back up, by IICRC certified firm, including assessment, development of a plan and drying goals, drying and clean up, for basement floors, equipment and building materials impacted by sewer back up/flood, per occupied RHU - Restore	EA	3,392.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

AUGERING AND CAMERA

SOR Code	SOR Description	Unit	Base Price
PL1028EV	Drain tile (perimeter foundation drain) up to 30 m (100 ft) - Auger and flush.	EA	167.60
PL1029EV	Drain tile (perimeter foundation drain), additional increments of 15 m (50 ft) when combined with PL1028 - Auger and flush.	EA	42.10
PL1030EV	Sanitary sewer lateral, from main clean out, up stack or towards street main, up to 15 m (50 ft) - Auger.	EA	164.30
PL1032EV	Sanitary sewer lateral, from fixture to main stack, per fixture - Auger.	EA	91.40
PL1034EV	Sanitary sewer lateral, from fixture to main stack, per additional fixture when combined with PL1032 - Auger.	EA	55.40
PL1050EV	Sanitary sewer lateral, up to 30 m (100 ft) - Auger.	EA	184.40
PL1060EV	Sanitary sewer lateral, additional increments of 15 m (50 ft) when combined with PL1050 - Auger.	EA	67.10
PL1063EV	Sanitary sewer lateral, up to 30 m (100 ft) in length - Camera and provide report.	EA	264.80
PL1064EV	Sanitary sewer laterals - Power flush.	EA	251.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

CURB STOP

SOR Code	SOR Description	Unit	Base Price
PL1105EV	Curb stop - Locate	EA	33.50
PL1110EV	Curb stop - Locate and / or open and / or close.	EA	45.30
PL1115EV	Curb stop - Open and close.	EA	33.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FLEXIBLE COUPLINGS

SOR Code	SOR Description	Unit	Base Price
PL1130EV	Fernco coupling, any size or combination, up to 76.2 mm X 101.6 mm (3 in x 4 in) - Replace or supply and install.	EA	31.20
PL1135EV	Fernco coupling, 76.2 mm x 101.6 mm (3 in x 4 in) up to 101.6mm X 101.6mm (4 in X 4 in) - Replace or supply and install.	EA	33.50
PL1137EV	Fernco coupling, 101.6mm X 101.6 mm (4 in X 4 in) up to 101.6 mm X 152 mm (4 in x 6 in) - Replace or supply and install.	EA	38.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

COCKS

SOR Code	SOR Description	Unit	Base Price
PL1222EV	Hose bib, washer - Replace or supply and install.	EA	36.00
PL1240EV	Recessed connection box, washer, includes hose bibs - Replace.	EA	134.10
PL1250EV	Sillcock - Replace.	EA	73.80
PL1260EV	Sillcock - Remove.	EA	27.60
PL1265EV	Sillcock, non-freeze. Includes vaccum breaker self draining, up to 355.6 mm (14 in) in length, excludes drilling hole - Replace or supply and install.	EA	108.90
PL1270EV	Sillcock vaccum breaker, self draining, on existing sillcocks - Supply and install.	EA	41.90
PL1275EV	Sillcock, handle - Replace or supply and install.	EA	27.60

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

CORING

SOR Code	SOR Description	Unit	Base Price
PL5500EV	Hole, up to 152 mm (6 in) diameter, masonry, through brick or block - Core	EA	226.20
PL5520EV	Hole, up to 152 mm (6 in) diameter, wood assembly - Core	EA	55.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - GENERAL

SOR Code	SOR Description	Unit	Base Price
PL1099EV	Single lever faucet cartridge (under lifetime warranty) - Replace.	EA	36.90
PL1100EV	Faucet cartridge (2 handle), includes seats per pair - Replace.	EA	70.40
PL1300EV	Drain, pop up mechanism - Adjust-rework.	EA	25.90
PL1310EV	Drain, stopper and chain - Replace.	EA	19.20
PL1320EV	Faucet, hot and cold indicators - Replace.	EA	12.00
PL1335EV	Faucet, O rings, per faucet - Replace and lubricate.	EA	30.20
PL1340EV	Faucet, washers and O rings and seats, per pair - Replace.	EA	45.30
PL1346EV	Fixture, porcelain chips, per fixture - Repair.	EA	87.90
PL1381EV	Supply line, flexible, up to 508 mm (20 in), braided - Replace or supply.	EA	26.80
PL1382EV	Supply line, flexible, up to 305 mm (12 in), braided - Replace or supply.	EA	18.40
PL1383EV	Supply line, 9 mm x 13 mm (3/8 in x 1/2 in) compression adaptor, flex lines - Replace.	EA	18.10
PL1386EV	Supply lines, flexible, braided, any length, when using with another PL code - Replace.	EA	18.10
PL1387EV	Escutcheon ring, any size - Replace or supply and install.	EA	13.40
PL1390EV	Tap aerator - Replace.	EA	18.10
PL1395EV	Dishwasher hook-up, includes all pipes, connectors, supply and drain fittings, within 1524 mm (5 ft) from sink - Supply and install.	EA	228.80
PL1396EV	Fixture / valve, per fixture - Retighten or secure.	EA	12.00
PL1397EV	Dishwasher hook-up, drain cap - Supply and install.	EA	16.90
PL4090EV	P-trap, ABS, adjustable, less cleanout, 2 union type, 32 mm to 51 mm (1 1/4 in to 2 in) - Replace or supply and install.	EA	50.30

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHROOM DRAINS

SOR Code	SOR Description	Unit	Base Price
PL1400EV	Drain, P-trap, includes removal and re-fit mechanical - Unclog.	EA	55.40
PL1410EV	Drain, P-trap, chrome or ABS, 31.75 mm (1-1/4 in), with same as per CFHA representative - Replace.	EA	27.60
PL1430EV	Drain, P-trap adapter, ABS, 38 mm x 31.75 mm (1 1/2 in x 1 1/4 in) - Replace.	EA	18.40
PL1440EV	Drain, patented overflow, plug and chain - Replace.	EA	69.60
PL1450EV	Drain, patented overflow, pop-up - Replace.	EA	82.20
PL1460EV	Drain, tailpiece, 31.75 mm (1-1/4 in) - Replace.	EA	36.90
PL1470EV	Drain, tailpiece extension, 31.75 mm (1-1/4 in) - Replace or supply and install.	EA	35.20
PL1490EV	Drain, tailpiece gasket and / or tailpiece nut, 31.75 mm (1-1/4 in) - Replace.	EA	33.50
PL1495EV	Drain, bathroom, waste and P-trap union trap with cleanout, includes complete patented overflow, all ABS pipe and fittings (including if required a 38 mm (1 1/2 in) Fernco adapter and trap adapter) - Replace.	EA	108.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHROOM FAUCETS

SOR Code	SOR Description	Unit	Base Price
PL1610EV	Faucet, bathroom - Remove and reinstall or remove and dispose.	EA	36.90
PL1620EV	Faucet, bathroom, single lever - Replace.	EA	238.10
PL1630EV	Faucet, bathroom, two handle - Replace.	EA	137.40
PL1640EV	Faucet, bathroom, handle set, per set - Replace	EA	36.90
PL1642EV	Faucet, bathroom, cartridge, washerless, per pair - Replace.	EA	73.80
PL1644EV	Faucet, bathroom, cartridge, washerless - Replace.	EA	46.10
PL1650EV	Faucet, bathroom, cartridge (two handle), per set - Replace.	EA	61.20
PL1660EV	Faucet, bathroom, cartridge (single lever) - Replace.	EA	109.80
PL1661EV	Faucet, bathroom, handle, single lever - Replace.	EA	38.00
PL1665EV	Faucet, bathroom, washers and valve stem O rings, all, per set complete - Replace.	EA	36.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHROOM SINKS

SOR Code	SOR Description	Unit	Base Price
PL1700EV	Basin - Remove.	EA	36.90
PL1710EV	Basin and faucet - Remove and reinstall.	EA	82.20
PL1720EV	Basin, wall hung, includes braided flexible supply lines - Replace or supply and install.	EA	247.20
PL1740EV	Basin, pedestal, includes braided flexible supply lines - Replace or supply and install.	EA	320.20
PL1760EV	Basin, for vanity, enamel steel, includes braided flexible supply lines - Replace or supply and install.	EA	201.20
PL1800EV	Basin and faucet - Secure.	EA	27.60
PL1810EV	Basin, wall hung - Secure.	EA	55.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHROOM VANITIES

SOR Code	SOR Description	Unit	Base Price
PL1812EV	Vanity top, includes all plumbing disconnections / reconnections - Remove and reinstall.	EA	100.50
PL1813EV	Vanity / laundry tub / pedestal sink includes all plumbing / fixtures disconnections / reconnections - Remove and reinstall.	EA	91.40
PL1814EV	Countertop with integrated bowl for bathroom vanity, up to 635 mm x 635 mm (2 ft-1 in x 2 ft-1 in) - Replace.	EA	309.90
PL1816EV	Countertop with integrated bowl for bathroom vanity, over to 635 mm x 635 mm (2 ft-1 in x 2 ft-1 in) - Replace.	EA	413.20
PL1820EV	Vanity and countertop, any size - Remove and dispose.	EA	67.10

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHTUBS

SOR Code	SOR Description	Unit	Base Price
PL1900EV	Bathtub, enameled steel, includes new waste and overflow - Replace.	EA	823.00
PL1902EV	Bathtub, acrylic / fibreglass, includes new waste and overflow - Replace.	EA	1,037.00
PL1905EV	Bathtub / shower, 3 piece, acrylic / fibreglass, includes new waste and overflow - Replace or supply and install.	EA	2,743.10
PL1906EV	Bathtub / shower, 2 piece, acrylic / fibreglass, includes new waste and overflow - Replace or supply and install.	EA	2,133.50
PL1910EV	Bathtub / shower, any type - Remove and dispose.	EA	135.50
PL1912EV	Bathtub / shower, any type - Remove and reinstall.	EA	338.80
PL1914EV	Bathtub reversal, in addition to supply and install or replace, when used with PL1900 -PL1906 - Remove and reinstall.	EA	313.40
PL1940EV	Bathtub / shower dress / trim kit , per set - Remove and reinstall.	EA	55.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHTUB DRAINS

SOR Code	SOR Description	Unit	Base Price
PL2010EV	Drain stopper, pop-up drain, stopper and rod - Adjust.	EA	36.90
PL2020EV	Drain stopper, pop-up drain, stopper and rod - Replace or supply and install.	EA	82.20
PL2030EV	Waste and overflow - Reseal.	EA	55.40
PL2040EV	Waste and overflow, Includes 38 mm (1 1/2 in) ABS trap union type less clean out and 38 mm x 38 mm (1 1/2 in x 1 1/2 in) Fernco - Replace.	EA	142.50
PL2050EV	Drain stopper, plug and chain - Replace or supply and install.	EA	19.20
PL2060EV	Drain stopper, tip toe drain stop - Replace or supply and install.	EA	33.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - BATHTUB FAUCETS

SOR Code	SOR Description	Unit	Base Price
PL2100EV	Bathtub spout without diverter - Replace.	EA	58.90
PL2110EV	Bathtub spout with diverter - Replace.	EA	67.70
PL2112EV	Bathtub faucet, Delta repair kit - Supply and install.	EA	58.90
PL2120EV	Bathtub / shower faucet, 2 handle, includes spout, shower head and arm and all necessary connections, fittings and Tub and Shower rough-in - Replace.	EA	272.60
PL2130EV	Bathtub / shower faucet, single lever, with temperature balance, includes spout, shower head and arm, Trim Kit, all required connections and fittings and Tub and Shower rough-in - Replace.	EA	408.00
PL2140EV	Bathtub / shower, diverter valve (entire valve) - Replace.	EA	106.80
PL2150EV	Bathtub / shower, diverter valve, includes removal, lubrication and reinstallation - Clean.	EA	80.20
PL2160EV	Bathtub / shower, diverter spout set - Remove and reset.	EA	39.20
PL2161EV	Bathtub / shower, single lever handle - Replace.	EA	64.80
PL2180EV	Bathtub / shower faucet, handle set, per set - Replace	EA	39.20
PL2185EV	Bathtub / shower faucet, dress / trim kit - Replace.	EA	115.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - KITCHEN FAUCETS

SOR Code	SOR Description	Unit	Base Price
PL2500EV	Faucet, kitchen, 2 handle - Replace.	EA	164.30
PL2520EV	Faucet, kitchen, spout, includes related o-rings and fittings - Replace.	EA	63.70
PL2530EV	Faucet, kitchen, spray hose, with spray head - Replace.	EA	50.30
PL2540EV	Faucet, kitchen, single lever - Replace.	EA	228.80
PL2560EV	Faucet, kitchen - Remove and dispose.	EA	30.10
PL2570EV	Faucet, kitchen - Remove and reinstall.	EA	63.70
PL2590EV	Faucet, kitchen, cartridge, single lever - Replace.	EA	109.80
PL2610EV	Faucet, kitchen, handles, per set - Replace.	EA	36.90
PL2624EV	Faucet, kitchen, lever cap for faucet - Replace.	EA	40.30
PL2626EV	Faucet, kitchen, single lever handle - Replace.	EA	64.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - KITCHEN DRAINS

SOR Code	SOR Description	Unit	Base Price
PL2700EV	Drain, kitchen, crumb cup - Replace.	EA	18.10
PL2710EV	Drain, kitchen, basket strainer complete with crumb cup, tail piece and tail piece gasket - Replace.	EA	63.70
PL2720EV	Drain, kitchen, tail piece gasket, 38 mm (1 1/2 in) - Replace.	EA	27.60
PL2730EV	Drain, kitchen, tail piece nut, 38 mm (1 1/2 in) - Replace.	EA	29.30
PL2732EV	Drain, P-trap, ABS or chrome, 31.75 mm to 38 mm (1 1/4 in to 1 1/2 in), (2 union type without cleanout) - Replace.	EA	38.00
PL2733EV	Drain, kitchen, single bowl, waste and P-trap union trap with cleanout, includes complete strainer assembly, dishwasher WYE, all ABS pipe and fittings (including if required a 38 mm (1 1/2 in) Fernco adapter and trap adapter) - Replace.	EA	108.90
PL2735EV	Drain, kitchen, double bowl, waste and P-trap union traps less cleanouts, includes complete strainer assembly, dishwasher WYE, all ABS pipe and fittings (including if required a 38 mm (1 1/2 in) Fernco adapter and trap adapters) - Replace.	EA	163.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - KITCHEN SINKS

SOR Code	SOR Description	Unit	Base Price
PL2800EV	Kitchen sink - Remove and dispose.	EA	36.90
PL2805EV	Countertop cut-out for kitchen sink, includes drilling for faucets if necessary - Cut-out.	EA	34.70
PL2810EV	Kitchen sink, stainless steel, single bowl, ledge back. Includes strainer basket, tailpiece, tailpiece nut, and top hat gasket - Replace or supply and install.	EA	292.50
PL2820EV	Kitchen sink, stainless steel, double bowl (1 large and 1 small space saving OR 2 standard size), ledge back. Includes strainer baskets, tailpiece, tailpiece nut, and top hat gasket - Replace or supply and install.	EA	457.60
PL2862EV	Kitchen sink, includes new sealant - Remove or reinstall.	EA	80.50
PL2870EV	Kitchen sink and faucet, includes new sealant - Remove and reinstall.	EA	108.90
PL2880EV	Kitchen sink and faucet - Secure.	EA	27.60
PL2890EV	Kitchen sink, cover plate for fixture hole - Replace or supply and install.	EA	27.60

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - LAUNDRY TUBS

SOR Code	SOR Description	Unit	Base Price
PL3010EV	Laundry tub, single, PVC, 457 mm - 610 mm (18 in - 24 in), as per specification - Replace or supply and install.	EA	222.30
PL3040EV	Laundry tub - Remove and dispose.	EA	55.40
PL3059EV	Laundry tub faucet, complete with automatic trap seal primer drain, includes brass nipple with vinyl drain (excludes excavation) - Replace or supply and install.	EA	126.20
PL3060EV	Laundry tub faucet - Replace or supply and install.	EA	117.30
PL3061EV	Laundry tub faucet spout - Replace.	EA	30.50
PL3063EV	Laundry tub faucet - Resecure to wall.	EA	15.20
PL3070EV	Laundry tub faucet - Remove and dispose.	EA	27.60
PL3071EV	Laundry, standpipe, when used with replace laundry tub code, includes new P-trap and all associated fittings - Replace or supply and install.	EA	30.50
PL3072EV	Laundry, standpipe, includes new P-trap and all associated fittings - Supply and install.	EA	83.90
PL3091EV	Laundry drain, single bowl, waste and P-trap less cleanout, includes all ABS pipe and fittings, 2 unions, complete strainer assembly if necessary, fernco and trap adapter as required - Replace.	EA	108.90
PL3092EV	Laundry drain, double bowl, waste and P-trap less cleanout, includes all ABS pipe and fittings, 2 unions, complete strainer assembly if necessary, fernco and trap adapter as required - Replace.	EA	163.50
PL5230EV	Laundry tub, includes levelling - Resecure to wall.	EA	35.20

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - SHOWERS

SOR Code	SOR Description	Unit	Base Price
PL3100EV	Shower head, brass, Low flow - Replace or supply and install.	EA	90.10
PL3140EV	Shower head, hand held - Supply and install.	EA	91.40

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - WATER CLOSETS (TOILETS) - GENERAL

SOR Code	SOR Description	Unit	Base Price
PL3212EV	Water closet, tank to bowl gasket, kit includes washers, nuts and bolts. Can't Leak or approved acceptable alternative - Replace.	EA	36.90
PL3215EV	Water closet, includes remove and replace if required, includes new wax ring and flange bolts - Un-plug.	EA	90.10
PL3230EV	Water closet, (when used with another PL code), includes new wax ring - Remove and reinstall.	EA	72.70
PL3240EV	Water closet, includes lined tank, seat, wax seal, flexible braided supply, all interior mechanisms, tank to bowl gasket and tank Bolts and flange bolts - Replace.	EA	439.10
PL3245EV	Water closet, elongated tall barrier free design, includes lined tank, seat, wax seal, flexible braided supply, all interior mechanisms, tank to bowl gasket and tank Bolts and flange bolts - Replace or supply and install.	EA	540.90
PL3250EV	Water closet, includes new braided flexible supply, new wax ring and flange bolts - Remove and reinstall.	EA	132.20
PL3260EV	Water closet, bowl - Secure.	EA	27.60
PL3295EV	Water closet, tank lid - Replace.	EA	63.70
PL3298EV	Water closet, lead stubs, includes changing brass flange - Redress.	EA	36.90
PL3299EV	Water closet - Remove and dispose.	EA	50.30

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

FIXTURES - WATER CLOSET - REPAIRS

SOR Code	SOR Description	Unit	Base Price
PL1500EV	Water closet flange, includes removal and re-install of water closet and new wax seal - Resecure	EA	78.10
PL1510EV	Water closet, extra wax seal when used with another PL code - Supply and install.	EA	8.40
PL1520EV	Water closet drain, ABS flange, includes removal and re-install of water closet and new wax seal- Replace.	EA	73.80
PL3300EV	Water closet, ball cock - Replace.	EA	55.40
PL3310EV	Water closet, bowl caps, per pair - Supply and install.	EA	10.90
PL3330EV	Water closet, douglas valve, (flush valve), includes gasket, and flapper - Replace.	EA	63.70
PL3340EV	Water closet, flapper - Replace.	EA	24.00
PL3350EV	Water closet, float and rod - Replace.	EA	30.10
PL3360EV	Water closet, handle and arm - Replace.	EA	24.00
PL3370EV	Water closet, lead bend, with ABS plastic, includes removal and re-install of water closet, new wax ring and all necessary piping and couplings to stack - Replace.	EA	480.70
PL3380EV	Water closet, wax ring, with 'can't leak' wax ring, includes flange bolts and removal and re-install of water closet - Replace.	EA	63.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

HOT WATER TANKS (HWT) - GENERAL

SOR Code	SOR Description	Unit	Base Price
PL3412EV	HWT - Remove and reinstall	EA	180.30
PL3418EV	HWT, anode rod - Replace.	EA	92.30
PL3422EV	HWT, rinse out sediment - Flush.	EA	74.50
PL3440EV	HWT, T and P valve, any size - Replace.	EA	108.20
PL3441EV	HWT, drain valve, with bronze valve - Replace.	EA	101.50
PL3450EV	HWT, dielectric union - Replace.	EA	44.00
PL3460EV	HWT, dip tube and 2 dielectric unions - Replace.	EA	82.90
PL3632EV	Thermostatic Mixing Valve, Master Mixing Valve, at the HWT, maximum setting 49 C, includes piping, adapters and all fittings - Replace or supply and install.	EA	211.50
PL3643EV	HWT pan - Replace or supply and install.	EA	84.20

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

HOT WATER TANKS (HWT) - GAS

SOR Code	SOR Description	Unit	Base Price
PL3599EV	HWT, gas burner assembly - Replace.	EA	148.00
PL3600EV	HWT, gas, hot surface ignitor - Replace.	EA	170.90
PL3605EV	HWT, gas, flame rod sensor - Replace.	EA	101.60
PL3610EV	HWT, gas, vapour sensor - Replace.	EA	28.30
PL3620EV	HWT, gas valve on power vented tanks - Replace or supply and install.	EA	480.70
PL3621EV	HWT, FVIR technology, gas, zinc coated, conventional vent, 150 L (33 gal.), includes replacement of TandP valves, 2 dielectric unions, adapters and all fittings - Replace.	EA	1,028.80
PL3631EV	HWT, FVIR technology, gas, zinc coated, conventional vent, 180 L (40 gal.), includes replacement of TandP valves, 2 dielectric unions, adapters and all fittings - Replace	EA	1,162.50
PL3635EV	HWT, gas, power ventor - Replace.	EA	550.00
PL3636EV	HWT, FVIR technology, gas, zinc coated, direct or power vented as per CFHA representative, 150 L (33 gal.) , includes replacement of TandP valves, 2 unions, adapters and all fittings - Replace.	EA	1,307.60
PL3637EV	HWT, FVIR technology, gas, zinc coated, direct or power vented as per CFHA representative, 180 L (40 gal.) includes replacement of TandP valves, 2 unions, adapters and all fittings - Replace.	EA	1,538.30
PL3638EV	HWT, FVIR technology, gas, zinc coated, direct or power vented as per CFHA representative, 190 L (42 gal.) includes replacement of TandP valves, 2 unions, adapters and all fittings - Replace.	EA	1,778.70
PL3641EV	HWT, FVIR technology, gas, zinc coated, conventional vent, 190 L (42 gal.), includes replacement of TandP valves, 2 dielectric unions, adapters and all fittings - Replace.	EA	1,402.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - GENERAL

SOR Code	SOR Description	Unit	Base Price
PL1065EV	Piping, water hammer shock absorber - Replace or supply and install.	EA	88.00
PL3760EV	Drain cover, floor, any size, perforated - Replace.	EA	33.50
PL3780EV	Pipe supports, strap, perforated metal - Supply and install.	EA	11.80
PL3790EV	Pipe, galvanized, includes fittings - Remove and dispose.	M	16.80
PL3850EV	Pipe, water, foam insulation, up to 25 mm (1 in) - Replace or supply and install.	M	9.70

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - MJ CLAMPS

SOR Code	SOR Description	Unit	Base Price
PL3710EV	MJ Clamps, mechanical joint, 38 mm (1 1/2 in) - Replace or supply and install.	EA	18.40
PL3730EV	MJ Clamps, mechanical joint, 51 mm (1 in) - Replace or supply and install.	EA	25.90
PL3750EV	MJ Clamps, mechanical joint, 75 mm (3 in) - Replace or supply and install.	EA	36.90
PL3755EV	MJ clamps, mechanical joint, 100 mm (4 in) - Replace or supply and install.	EA	47.00
PL3770EV	MJ leak on drain pipe - Repair.	EA	33.80

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - PLASTIC

SOR Code	SOR Description	Unit	Base Price
PL3900EV	Pex tubing, 13mm (1/2 in), includes all fittings and adaptors - Replace.	M	31.70
PL3905EV	Pex tubing, 19mm (3/4 in), includes all fittings and adaptors - Replace.	M	40.70
PL3910EV	Pex tubing, 25mm (1 in), includes all fittings and adaptors - Replace.	M	57.60
PL3920EV	Pipe, cast iron / copper, galvanized / DWV, with ABS plastic, 51 mm (2 in), including all fittings and adaptors - Replace.	M	104.50
PL3930EV	Pipe, cast iron / copper / galvanized / DWV, with ABS plastic, 32 mm to 75 mm (1 1/4 in to 3 in), including all fittings and adaptors - Replace.	M	121.70
PL3940EV	Pipe, ABS, PVC, CPVC or S636, 32 mm (1 1/4 in), includes one fitting adapter per each cut length - Supply and install.	M	37.80
PL3950EV	Pipe, ABS, PVC, CPVC or S636, 32 mm to 38 mm (1 1/4 in to 1 1/2 in), includes one fitting or adapter per each cut length - Replace or supply and install.	M	33.10
PL3960EV	Pipe ABS, PVC, CPVC or S636, 51 mm (2 in), includes one fitting per cut length - Replace or supply and install.	M	47.40
PL3970EV	Pipe, ABS, PVC, CPVC or S636, 75 mm (3 in), includes one fitting or adapter per each cut length - Replace or supply and install.	M	55.60
PL3980EV	Pipe, ABS, PVC, CPVC or S636, 100 mm (4 in), includes one fitting or adapter per each cut length - Replace or supply and install.	M	67.10
PL4000EV	Pipe, drainage, PVC, 3 m (10 ft) lengths, SDR 35, 100 mm (4 in) diameter, does not include excavating - Replace or supply and install.	M	32.30
PL4005EV	Pipe PVC schedule 40, 13 mm (1/2 in), includes one fitting or adapter per cut length - Replace or supply and install.	M	33.50
PL4007EV	Pipe PVC schedule 40, 19 mm (3/4 in), includes one fitting or adapter per cut length - Replace or supply and install.	M	41.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - PLASTIC - FITTINGS

SOR Code	SOR Description	Unit	Base Price
PL1120EV	Lead and oakum joint in cast iron pipe and replace with a ABS adapter and PC4 - Replace.	EA	125.70
PL3973EV	Fittings, up to 51 mm (2 in), ABS / PVC / CPVC / S636, per fitting - Supply and install.	EA	26.50
PL3975EV	Fittings, 75 mm (3 in) ABS, PVC, CPVC, S636 - Replace or supply and install.	EA	33.80
PL3977EV	Fittings, 100 mm (4 in) ABS, PVC, CPVC, S636 - Replace or supply and install.	EA	39.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - PLASTIC - EXPENSION JOINTS

SOR Code	SOR Description	Unit	Base Price
PL4010EV	Pipe, expansion joint, ABS, up to 51 mm (2 in) - Replace or supply and install.	EA	55.40
PL4030EV	Pipe, expansion joint, ABS, 76 mm (3 in) - Replace or supply and install.	EA	69.60

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - PLASTIC - SOLVENT WELD

SOR Code	SOR Description	Unit	Base Price
PL4125EV	Pipe, solvent weld, 100 mm (4 in) TY or 45 degree Y, 45 degree bend, 90 degree bend, 22 degree bend - Replace or supply and install.	EA	58.70
PL4150EV	Pipe, solvent weld, 100 mm (4 in) coupling - Supply and install.	EA	67.10
PL4155EV	Pipe, solvent weld, 100 mm (4 in) cleanout - Supply and install.	EA	55.40
PL4160EV	Pipe, solvent weld, 100 mm (4 in) ABS x PVC connector - Supply and install.	EA	36.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - COPPER

SOR Code	SOR Description	Unit	Base Price
PL4210EV	Pipe, copper, all sizes, includes fittings - Remove and dispose.	M	7.40
PL4212EV	Pipe, adapter, 38 mm (1 1/2 in) ABS to 38 mm (1 1/2 in) copper - Replace or supply and install.	EA	36.90
PL4216EV	Pipe, adapter, 13 mm (1/2 in) to 19 mm (3/4 in) - Replace or supply and install.	EA	25.40
PL4220EV	Pipe, copper, clips (13 mm, 19 mm, 25 mm) (1/2 in, 3/4 in, 1 in) - Replace or supply and install.	EA	1.20
PL4240EV	Pipe, copper, P-trap, 38 mm (1 1/2 in) - Replace.	EA	97.20
PL4250EV	Pipe, copper, 3.2 mm (1/8 in), includes clips and one fitting per cut length - Replace or supply and install.	M	13.40
PL4280EV	Pipe, copper, 6.4 mm (1/4 in) - Replace.	M	16.90
PL4290EV	Pipe, copper, 13 mm (1/2 in), includes clips and one fitting per cut length - Replace or supply and install.	M	40.60
PL4310EV	Pipe, copper, 19 mm (3/4 in), includes clips and one fitting per cut length - Replace or supply and install.	M	77.50
PL4330EV	Pipe, copper, 25 mm (1 in), includes clips and one fitting per cut length - Replace or supply and install.	M	81.20
PL4350EV	Pipe, copper, 32 mm (1 1/4 in), includes clips and one fitting per cut length - Replace or supply and install.	M	102.60
PL4410EV	Pipe, copper, 51 mm (2 in), includes clips and one fitting per cut length - Replace or supply and install.	M	126.60
PL4420EV	Pipe / tubing, copper, 19.05 mm (3/4 in) Soft, Type K - Replace or supply and install.	M	41.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

PIPING - COPPER - FITTINGS

SOR Code	SOR Description	Unit	Base Price
PL4440EV	Fittings, all types, 13 mm - 25 mm (1/2 in - 1 in), copper, per fitting for first fitting - Replace or supply and install.	EA	28.10
PL4441EV	Fittings, all types, 13 mm - 25 mm (1/2 in - 1 in), copper, per additional fitting when combined with PL4440 - Replace or supply and install.	EA	12.00
PL4450EV	Fittings, all types, 32 mm - 51 mm (1 1/4 in - 2 in), copper, per fitting - Replace or supply and install.	EA	55.80
PL4451EV	Fittings, all types, 32 mm - 51 mm (1 1/4 in - 2 in), copper, per additional fitting when combined with PL4450 - Replace or supply and install.	EA	12.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

SUMP PUMPS

SOR Code	SOR Description	Unit	Base Price
PL4705EV	Sump pump, pedestal, light duty - Replace.	EA	238.10
PL4710EV	Sump pump, pedestal, heavy duty - Replace.	EA	362.10
PL4720EV	Sump pump, submersible, includes pit, trench and lateral (7.5 m), air sealed removable lid, electrical, all fittings and adaptors as per specification - Install.	EA	2,823.90
PL4725EV	Sump pump, submersible, trench and lateral, additional meter - Install.	M	119.80
PL4730EV	Sump pump, submersible - Replace.	EA	329.40
PL4785EV	Check valve, ABS, 38.1mm (1-1/2 in) and fittings. Lift check valve - Replace or supply and install.	EA	67.10

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

VALVES - GENERAL

SOR Code	SOR Description	Unit	Base Price
PL4850EV	Water Valve, supply valve, humidifier - Remove and repair / cap.	EA	36.00
PL4870EV	PRV on domestic water service line. 13 mm,19 mm (1/2 in , 3/4 in) - Supply and install.	EA	125.70
PL4880EV	Pressure gauge (0 -120 PSI) (0 -827 kPa) on domestic water service line. 13mm,19mm (1/2 in, 3/4 in) - Supply and install.	EA	41.90

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

VALVES - ANGLE STOP VALVES

SOR Code	SOR Description	Unit	Base Price
PL4800EV	Angle stop valve, water supply - Remove.	EA	30.10
PL4804EV	Angle stop valve - Replace.	EA	48.00

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

VALVES - BACKWATER

SOR Code	SOR Description	Unit	Base Price
PL4810EV	Backwater valve, floor drain type, any size - Replace or supply and install.	EA	82.20
PL4811EV	Backwater Valve, Main house sanitary sewer line - Replace or supply and install.	EA	422.10
PL4812EV	Backwater Valve and Access Box, Main house sanitary sewer line - Replace or supply and install.	EA	850.30

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

VALVES - BALL VALVES

SOR Code	SOR Description	Unit	Base Price
PL4805EV	Chrome fixture valve, mini ball valve, straight or angle, 13 mm (1/2 in) - Replace or supply and install.	EA	26.80
PL4807EV	Chrome fixture valve, mini ball valve, straight or angle, 13 mm (1/2 in), includes braided supply lines up to 508 mm (20 in) in length - Replace or supply and install.	EA	48.60
PL4900EV	Valve, ball valve, 13 mm (1/2 in) - Replace or supply and install.	EA	46.60
PL4920EV	Valve, ball valve, 19 mm (3/4 in) - Replace or supply and install.	EA	55.80
PL4940EV	Valve, ball valve, 25 mm (1 in) - Replace or supply and install.	EA	64.30
PL4950EV	Valve, ball valve, 31.75 mm (1 1/4 in) or 38.1 mm (1 1/2 in) - Replace or supply and install.	EA	106.50

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

VALVES - COMPRESSION VALVES

SOR Code	SOR Description	Unit	Base Price
PL5000EV	Valve, compression stop, 13 mm (1/2 in) - Replace or supply and install.	EA	64.30
PL5020EV	Valve, compression stop, 19 mm (3/4 in) - Replace or supply and install.	EA	70.30

CFHA SCHEDULE OF UNIT RATES - WAINWRIGHT 2020-2024

PLUMBING

VALVES - GATE VALVES

SOR Code	SOR Description	Unit	Base Price
PL5100EV	Valve, gate valve, 13 mm (1/2 in) - Replace or supply and install.	EA	55.40
PL5120EV	Valve, gate valve, 19 mm (3/4 in) - Replace or supply and install.	EA	63.70
PL5140EV	Valve, gate valve, 25 mm (1 in) - Replace or supply and install.	EA	74.50