Fee Schedule: Boilers, Pressure Vessels and Refrigeration

TECHNICAL SAFETY BC FEE SCHEDULE: BOILERS, PRESSURE VESSELS & REFRIGERATION					
DESCRIPTION	**Effective January 1, 2023**	**2024 (Proposed)**	**2025 (Proposed)**	**UNITS**	**GST**
CONTRACTOR LICENSING					
New Boiler Contractor Licence	$ 470	$ 503	$ 523	per unit	No
New Boiler Contractor Licence with Quality Control Program	$ 1,058	$ 1,132	$ 1,177	per unit	No
Boiler Contractor Renewal Licence Renewal (if renewed within one year after expiry). If renewed later than 1year after expiry, then new boiler contractor Licence fee is charged.	$ 196	$ 210	$ 218	per unit	No
Audit or Re-audit / Interview to obtain or maintain contractors Licence. Interview is part of the contractor Licensing process.	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	No
Testing Agency Certificate of Recognition (minimum of 5 hour charge)	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Testing Agency Certificate of Recognition renewal (1 hour charge)	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
QUALIFIED WORKER CERTIFICATION AND EXAMINATION					
Exams / Papers					
Evaluation of Qualification (Non-refundable). Power Engineers, Pressure Welders, Boiler Operators, Refrigeration Operators, IFO and Safety Awareness	$ 112	$ 120	$ 125	one time fee	Yes
Evaluation of Qualification (Non-refundable). Power Engineers and Pressure Welders with Canadian education and international work experience (Maximum 5.5 hours)	$ 271	$ 290	$ 302	per hour	Yes
Evaluation of Qualification (Non-refundable). Power Engineers of international worker	$ 1,565	$ 1,675	$ 1,742	one time fee	Yes
First and Second class Power Engineer exam (Paper, In-person) [1 & 2]	$ 162	$ 220	$ 229	per exam	Yes
Second, Third, Fourth and Fifth Class Power Engineer exam, Boiler Operators, Refrigeration Operators exam (Digital, In-person) [1 & 2]	$ 162	$ 189	$ 197	per exam	Yes
Class A Pressure Welder Practical exam (Practical, In-person) [1 & 2]	$ 309	$ 331	$ 344	per exam	Yes
Ice Facility Operator exam (Digital, Remote) [1 & 2]	$ 237	$ 179	$ 186	per exam	Yes
Ice Facility Operator exam (Digital, In-person) [1 & 2]	$ 237	$ 189	$ 197	per exam	Yes
Safety Awareness, Oil Well exam (Digital, Remote) [1 & 2]	$ 162	$ 179	$ 186	per exam	Yes
Safety Awareness, Oil Well exam (Digital, In-person) [1 & 2]	$ 162	$ 189	$ 197	per exam	Yes
Power Engineer and Pressure Welder Renewal	$ 110	$ 118	$ 123	per unit	Yes
Exam Re-marking Fee	$ 78	$ 83	$ 86	per exam	Yes
Note: *1: This fee applies to new examinations and re-examinations* *2: Fee for examination will be assessed based on the examination written date and not the application date*					
Certification					
Interim "A" Certificate of Qualification, initial and renewal. In force for 12 months or less.	$ 318	$ 340	$ 354	per site	Yes
Interim "B" Certificate of Qualification, initial and renewal. In force for 60 days or less (initial) or 30 days or less (renewal).	$ 238	$ 255	$ 265	per site	Yes
Granting of Certificate of Qualification					
(a) Power Engineers					
(i) 1st Class	$ 478	$ 511	$ 531	per unit	Yes
(ii) 2nd Class	$ 398	$ 426	$ 443	per unit	Yes
(iii) 3rd Class	$ 279	$ 299	$ 311	per unit	Yes
(iv) 4th Class	$ 200	$ 214	$ 223	per unit	Yes
(iv) 5th Class	$ 200	$ 214	$ 223	per unit	Yes
(b) Boiler, Refrigeration and Oil Well Operator	$ 175	$ 187	$ 194	per unit	Yes
INSTALLATION PERMITS					
Boiler Installation or Alteration Permit Notes: 1. Permit fee does not include inspection. Inspection hours will be charged in addition. 2. Water Heaters are considered boiler, for the above requirement. - Unless exempted from BC REG 104/2004 Section 3	$ 157	$ 168	$ 175	per unit	No

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TECHNICAL SAFETY BC FEE SCHEDULE: BOILERS, PRESSURE VESSELS & REFRIGERATION					
DESCRIPTION	**Effective January 1, 2023**	**2024 (Proposed)**	**2025 (Proposed)**	**UNITS**	**GST**
Refrigeration Installation or Alteration Permit: - More than 125 kW prime mover nameplate capacity rating using Group AI, A2 or B1 refrigerant - More than 25 kW prime mover nameplate capacity rating using Group A3, B2 or B3 refrigerant Note: Permit fee does not include inspection. Inspection hours will be charged in addition.	$ 157	$ 168	$ 175	per unit	No
Refrigeration Installation or Alteration Permit: *(Decal applicable for all refrigeration equipment conforming to CSA B52 section 5.2 within the following parameters)* - Using Group AI, A2 or B1 refrigerant and having a capacity >5kW to not more than125 kW prime mover nameplate rating, or - Using Group A3, B2 or B3 refrigerant and having a capacity >5kW to not more than 25 kW prime mover nameplate rating Note: 1: The refrigeration contractor is to supply a declaration of installation that includes details of: - equipment type - certification standard - date and location of installation 2: A decal is to be applied to the unit 3: An assessment will be carried out to determine if an inspection is required	$ 34	$ 36	$ 37	per unit	No
Inspection Fees	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Re-inspection Fees: Inspections for non-compliance purposes will be billed on an hourly basis. Please refer to the 'Hourly Rates' section.	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
OPERATING PERMITS					
High Pressure Boilers, Low Pressure Boilers, Thermal Fluid Boilers					
(a) with a heating surface to 25 m2 inclusive	$ 289	$ 309	$ 321	per permit	No
(b) with a heating surface more than 25 m2 to 50 m2 inclusive	$ 437	$ 468	$ 487	per permit	No
(c) with a heating surface more than 50 m2 to 100 m2 inclusive	$ 531	$ 568	$ 591	per permit	No
(d) with a heating surface more than 100 m2 to 500 m2 inclusive	$ 773	$ 827	$ 860	per permit	No
(e) with a heating surface more than 500 to 1,000 m2 inclusive	$ 1,499	$ 1,604	$ 1,668	per permit	No
(f) with a heating surface more than 1,000 to 2,000 m2 inclusive	$ 1,740	$ 1,862	$ 1,936	per permit	No
Additional charge per 1,000 m2 of heating surface over 2,000 m2 rounded up to the nearest 1,000 m2	$ 580	$ 621	$ 646	per 1,000 m2	No
Hot Water Boilers					
(a) with a heating surface to 25 m2 inclusive (a.1) for Potable Water Heaters (with boiler capacity up to 500,000 BTU/hr inclusive)	$ 145	$ 155	$ 161	per permit	No
(b) with a heating surface more than 25 m2 to 50 m2 inclusive (b.1) for Potable Water Heaters (with boiler capacity greater than 500,000 BTU/hr)	$ 173	$ 185	$ 192	per permit	No
(c) with a heating surface more than 50 m2 to 100 m2 inclusive	$ 192	$ 205	$ 213	per permit	No
(d) with a heating surface more than 100 m2 to 500 m2 inclusive	$ 289	$ 309	$ 321	per permit	No
(e) with a heating surface more than 500 m2 to 1,000 m2 inclusive	$ 531	$ 568	$ 591	per permit	No
(f) with a heating surface more than 1,000 m2 to 2,000 m2 inclusive	$ 677	$ 724	$ 753	per permit	No
Additional charge per 1,000 m2 of heating surface over 2,000 m2 rounded up to the nearest 1,000 m2	$ 240	$ 257	$ 267	per 1,000 m2	No
Digesters					
Shell volumetric measurement not more than 280 m3	$ 580	$ 621	$ 646	per permit	No
Shell volumetric measurement more than 280 m3	$ 926	$ 991	$ 1,031	per permit	No
Pressure Vessels					
Regular Service	See Table B (Pressure Vessels Fee Table)	See Table B (Pressure Vessels Fee Table)	See Table B (Pressure Vessels Fee Table)	per permit	No
Designated Service	See Table C (Pressure Vessels Fee Table)	See Table C (Pressure Vessels Fee Table)	See Table C (Pressure Vessels Fee Table)	per permit	No
Special Service	See Table D (Pressure Vessels Fee Table)	See Table D (Pressure Vessels Fee Table)	See Table D (Pressure Vessels Fee Table)	per permit	No
LPG Service	See Table E (Pressure Vessels Fee Table)	See Table E (Pressure Vessels Fee Table)	See Table E (Pressure Vessels Fee Table)	per permit	No

Fee Schedule: Boilers, Pressure Vessels and Refrigeration

TECHNICAL SAFETY BC FEE SCHEDULE: BOILERS, PRESSURE VESSELS & REFRIGERATION					
DESCRIPTION	**Effective January 1, 2023**	**2024 (Proposed)**	**2025 (Proposed)**	**UNITS**	**GST**
Refrigeration Plants					
More than 125 kW prime mover nameplate capacity rating using Group AI, A2 or B1 refrigerant	$ 425	$ 455	$ 473	per permit	No
More than 25 kW prime mover nameplate capacity rating using Group A3, B2 or B3 refrigerant	$ 425	$ 455	$ 473	per permit	No
PLANT REGISTRATION OPERATING PERMITS					
1st class	$ 173	$ 185	$ 192	per permit	No
2nd class	$ 160	$ 171	$ 178	per permit	No
3rd class	$ 139	$ 149	$ 155	per permit	No
4th class	$ 116	$ 124	$ 129	per permit	No
5th class	$ 104	$ 111	$ 115	per permit	No
SPECIAL PLANT REGISTRATION FEES - RISK ASSESSED & GENERAL SUPERVISION PLANTS					
Registration of Special Plant (One time registration includes up to 5 hours documentation review, additional review charged at hourly rate)	$ 1,083	$ 1,159	$ 1,205	per registration	No
Initial Safety Audit Inspection by a safety officer	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Biennial Safety Audit (inspected every 2 years)	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Biennial Renewal Certificate of Special Plant Registration (inspected every 2 years)	$ 76	$ 81	$ 84	per certificate	Yes
Boiler / PV Additional Inspection on Request	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Re-inspection Fees. Assessed when an inspection of a previous non-compliance is performed. (minimum 1 hour)					
Boilers	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Hot Water Boilers	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Digesters	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Pressure Vessels	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
Refrigeration	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
MANUFACTURING SHOP INSPECTION, AUDITS, DESIGN REVISIONS & REGISTERED DESIGN					
Manufacturing Shops and Audit Hourly	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
DESIGN REGISTRATION (Fees are subject to change in a separate program improvement and fee consultation in the upcoming years)					
ASME Welding Procedure Registration	$ 234	$ 234	$ 234	per unit	Yes
Reciprocal Design Registration[1]	$ 334	$ 334	$ 334	per unit	Yes
Standard Design Registration[2 & 5]	$ 699	$ 699	$ 699	per unit	Yes
Complex Design Registration[3]	$ 1,281	$ 1,281	$ 1,281	per unit	Yes
Exceptional Design Registration[4]	$ 3,772	$ 3,772	$ 3,772	per unit	Yes
Application Cancellation Fee[6]	$ 451	$ 451	$ 451	per unit	Yes
Administrative Cancellation Fee[7]	$ 130	$ 130	$ 130	per unit	Yes
Expedited Service A - initial review within 10 business days[5]	2x applicable fee above	2x applicable fee above	2x applicable fee above	per unit	Yes
Expedited Service B - initial review within 5 business days[5]	3.5x applicable fee above	3.5x applicable fee above	3.5x applicable fee above	per unit	Yes

Notes:

1: A design which has been previously registered by another Province in Canada and has a Canadian Registration Number (CRN). Both the design documentation and the proof of registration in another Province must be included with the application.

2: Boiler, pressure vessel, pressure piping, pressure fitting designs whose application contents are consistent with the published guidance material and are not likely to require any substantial review effort to verify compliance.

3: Applications may be reclassified by TSBC as "complex" following submission where there is a large scope of design review effort resulting from::

- dependence upon application of engineering judgement rather than prescriptive design code clauses
- unfamiliarity with applicable codes, standards, design practices or registration process
  - and/or significant communication exchanges are required due to the applicant's lack of responsiveness in responding to questions and issues which may arise during the registration process

4: Applications may be reclassified by TSBC as "exceptional" following submission where, in addition to the factors considered for "complex", reviews as defined above, one or more of

- the design is novel
- codes and standards are unique, unfamiliar or new to the Province of BC
- very large scope of review requiring multiple days of dedicated effort

5: Turn-Around Times - Standard Design Registration and Expedited Services

Fee Schedule: Boilers, Pressure Vessels and Refrigeration

TECHNICAL SAFETY BC FEE SCHEDULE: BOILERS, PRESSURE VESSELS & REFRIGERATION					
DESCRIPTION	**Effective January 1, 2023**	**2024 (Proposed)**	**2025 (Proposed)**	**UNITS**	**GST**
TSBC works to an average turn-around time of 20 - 30 business days for the initial engineering review of standard design registrations, dependent on the volume of applications. Complete registration time is dependent upon the quality of the application and timeliness of the applicant's responses during the process. Two options for expedited service (A & B) are available dependent on the volume of applications and response times for the initial engineering review under each service are provided above.					
6: Applied to boiler, pressure vessel, pressure piping, pressure fitting designs in the event that an application is cancelled by the applicant or rejected by TECHNICAL SAFETY BC after engineering review has occurred. This fee is in lieu of any design registration fee.					
MISCELLANEOUS					
Custom Reports & Searches (per Technology)	Admin Hourly Rate	Admin Hourly Rate	Admin Hourly Rate	per hour	Yes
Replacement / Duplicate Standard Certificate of Qualification or Wallet Card (each)	$ 73	$ 80	$ 83	per unit	Yes
Application for each copy of a certificate of inspection	$ 73	$ 80	$ 83	per unit	Yes
Application for variance from the Code	Safety Services Rate	Safety Services Rate	Safety Services Rate	per hour	Yes
HOURLY RATES					
Administrative Rate Normal working hours, Monday to Friday inclusive (except holidays), 8:00 a.m. to 4:30 p.m.	$ 73	$ 80	$ 83	per hour	Yes
Overtime working hours Monday to Friday inclusive (except holidays), 4:30 p.m. to 8:00 a.m., per hour, charged at 1.5x Administrative rate	$ 110	$ 120	$ 125	per hour	Yes
Saturdays, Sundays and Holiday working hours, per hour, charged at 2x Administrative rate	$ 146	$ 160	$ 166	per hour	Yes
Safety Services Rate Normal working hours, Monday to Friday inclusive (except holidays), 8:00 a.m. to 4:30 p.m. Plus expenses incurred where applicable. - Physical Inspections, minimum 1 hour - Remote Inspection, minimum 30 minutes	$ 196	$ 196	$ 204	per hour	Yes
Overtime working hours Monday to Friday inclusive (except holidays), 4:30 p.m. to 8:00 a.m., per hour, charged at 1.5x Safety Services rate	$ 294	$ 294	$ 306	per hour	Yes
Saturdays, Sundays and Holiday working hours, per hour, charged at 2x Safety Services rate	$ 392	$ 392	$ 408	per hour	Yes
Professional Services Rate Normal working hours, Monday to Friday inclusive (except holidays), 8:00 a.m. to 4:30 p.m. Plus expenses incurred where applicable	$ 276	$ 295	$ 307	per hour	Yes
Overtime working hours Monday to Friday inclusive (except holidays), 4:30 p.m. to 8:00 a.m., per hour, charged at 1.5x Professional Services rate	$ 414	$ 443	$ 461	per hour	Yes
Saturdays, Sundays and Holiday working hours, per hour, charged at 2x Professional Services rate	$ 552	$ 590	$ 614	per hour	Yes
Plus expenses incurred, where applicable					
Late Payment Fees may be charged on overdue accounts	$ 73	$ 78	$ 81	per unit	Yes
NSF Cheques A charge will be levied when cheques are returned "NSF"	$ 45	$ 48	$ 50	per unit	Yes
v03/10/23					

TECHNICAL SAFETY BC

Fee Schedule: Boilers, Pressure Vessels and Refrigeration

Pressure Vessels Fee Tables — January 1, 2023

Table B Regular Service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	49	79	122	165	207	244
	1-2M	74	105	147	190	232	269
	2-3M	98	128	170	212	254	290
	3-4M	122	152	196	237	279	316
	4-5M	145	175	217	260	303	339
	>5M	170	201	242	284	327	364

Table C Designated service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	100	165	244	327	408	489
	1-2M	148	213	291	376	455	538
	2-3M	196	260	339	422	502	585
	3-4M	242	308	386	470	550	632
	4-5M	287	353	432	516	595	678
	>5M	338	402	482	564	645	727

Table D Special service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	152	244	367	489	611	734
	1-2M	226	317	440	562	685	808
	2-3M	294	385	508	631	753	876
	3-4M	369	460	584	706	827	951
	4-5M	437	528	651	774	896	1019
	>5M	509	600	723	847	968	1091

Table E LPG Service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	34	48	77	101	127	152
	1-2M	45	61	91	112	139	165
	2-3M	66	81	110	133	160	184
	3-4M	77	94	122	145	171	198
	4-5M	90	104	133	156	181	208
	>5M	105	119	149	172	199	224

Pressure Vessels Fee Tables — 2024 Proposed

Table B Regular Service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	52	85	131	177	221	261
	1-2M	79	112	157	203	248	288
	2-3M	105	137	182	227	272	310
	3-4M	131	163	210	254	299	338
	4-5M	155	187	232	278	324	363
	>5M	182	215	259	304	350	389

Table C Designated service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	107	177	261	350	437	523
	1-2M	158	228	311	402	487	576
	2-3M	210	278	363	452	537	626
	3-4M	259	330	413	503	589	676
	4-5M	307	378	462	552	637	725
	>5M	362	430	516	603	690	778

Table D Special service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	163	261	393	523	654	785
	1-2M	242	339	471	601	733	865
	2-3M	315	412	544	675	806	937
	3-4M	395	492	625	755	885	1018
	4-5M	468	565	697	828	959	1090
	>5M	545	642	774	906	1036	1167

Table E LPG Service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	36	51	82	108	136	163
	1-2M	48	65	97	120	149	177
	2-3M	71	87	118	142	171	197
	3-4M	82	101	131	155	183	212
	4-5M	96	111	142	167	194	223
	>5M	112	127	159	184	213	240

Pressure Vessels Fee Tables — 2025 Proposed

Table B Regular Service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	54	88	136	184	230	271
	1-2M	82	116	163	211	258	300
	2-3M	109	142	189	236	283	322
	3-4M	136	170	218	264	311	352
	4-5M	161	194	241	289	337	378
	>5M	189	224	269	316	364	405

Table C Designated service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	111	184	271	364	454	544
	1-2M	164	237	323	418	506	599
	2-3M	218	289	378	470	558	651
	3-4M	269	343	430	523	613	703
	4-5M	319	393	480	574	662	754
	>5M	376	447	537	627	718	809

Table D Special service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	170	271	409	544	680	816
	1-2M	252	353	490	625	762	900
	2-3M	328	428	566	702	838	974
	3-4M	411	512	650	785	920	1059
	4-5M	487	588	725	861	997	1134
	>5M	567	668	805	942	1077	1214

Table E LPG Service

	Length	<5M	5-10M	10-15M	15-20M	20-25M	>25M
Diameter	<1M	37	53	85	112	141	170
	1-2M	50	68	101	125	155	184
	2-3M	74	90	123	148	178	205
	3-4M	85	105	136	161	190	220
	4-5M	100	115	148	174	202	232
	>5M	116	132	165	191	222	250