



## Fire Sprinkler Technical Advisory Group Meeting Agenda

January 15, 2014 - 1:30 p.m. to 4:00 p.m.  
Tacoma Fire Marshal's Office  
3471 South 35<sup>th</sup> Street, Tacoma

### Introductions:

### Future Meeting Schedule:

- Third Wednesday of the following months:
  - April 16, 2014
  - July 16, 2014
  - October 15, 2014
- Meetings will start at 1:30 pm. and conclude no later than 4:00 p.m.
- Locations to be in the Tacoma area.

### New Business:

- 2014 Renewal Cycle**
  - Changes to the process
    - Invoicing system
    - Ability to email renewal notices
    - Change of certificate holder number
    - Ordering of stamp
- 2015 Renewal Cycle**
  - Ideas:
    - Sending of a "renewal packet" to the contractor
      1. Packet would contain the renewal forms for both the contractor and certificate holders employed
      2. Contractor has ability to indicate which license/certificates they will be responsible for.
      3. When fees are paid, the contractor would receive one packet with the license and certificates.
  - Other suggestions:

□ **2014 Legislative Session**

□ **WAC 212-80 Update:**

- Recorded with Code Revisers Office on 1-7-14; will be official 31 days after (2-7-14). Handout.
- Discussion: Removing “For Design Only”.
- Development of a “Frequently Asked Question” guide.

□ **2014 Fire Sprinkler Forum:**

- Review of 2013 Forum
- Question: Should there be a yearly Forum?
  - Topics
  - Industry and AHJ involvement

□ **Residential Sprinkler Educational Campaign**

- Faces of Fire PSA – spent \$25,000 running the PSA during “Fire Prevention Week” (October 5 to 11, 2013) around the state.
- Attended 13 presentations using the Residential Fire Sprinkler Demonstration Trailer.

<b>Year</b>	<b>Number of Demonstrations</b>
2010	9
2011	10
2012	14
2013	13
<b>Total</b>	<b>46</b>

- Training: Provided the Washington State Fire Marshal’s Association \$3,500 in funds used to sponsor a booth at the Seattle Home Show.
- Sprinkler Prop: Designed and had built a prototype Sprinkler Prop that can be used for those events where the trailer isn’t available or the right tool. This prop is made to be displayed on a table top and show the simplistic nature of the system.
  - Goal would be once a final design is settled on, to make several of these props that can be housed around the state for local use.

□ **Sprinkler Residential Demonstration Trailer:**

- The TAG would like to know when it will be used and if it will go to the Puyallup fair.
- They are still awaiting the decision of the State Fire Marshal regarding the options available for its use.
  - Gift.
  - Loan.
  - Contracted operations with minimal involvement of bureau staffing.
- TAG assured the question will be raised again for the next meeting.

□ **Training:**

- Eighteen classes in 2013; attended by 309 persons.
- Thirteen classes in 2012; attended by 299 persons.

**2013 Courses**

Class #	Course	Instructor	# of Days	Location	Dates	Attended
1	NFPA 25	Friedman	1	Shoreline	02-Apr-13	22
2	NFPA 25 AHJ	Friedman	1	Shoreline	03-Apr-13	9
3	NFPA 13 Overview	NFSA	1	Burien	09-Apr-13	12
4	Underground Piping	NFSA	1	Burien	10-Apr-13	11
5	NFPA 13 Overview	NFSA	1	Richland	16-Apr-13	17
6	Underground Piping	NFSA	1	Richland	17-Apr-13	15
7	Pumps for Fire Protection	NFSA	1	Tacoma Bates	07-May-13	21
8	Pump Layout and Sizing	NFSA	1	Tacoma Bates	08-May-13	13
9	Pumps for Fire Protection	Friedman	1	Spokane	14-May-13	11
10	Pump Layout and Sizing	Friedman	1	Spokane	15-May-13	7
13	Plan Review Policies and Procedures	NFSA	1	Burien	29-Oct-13	32
14	Commissioning and Acceptance Testing	NFSA	1	Burien	30-Oct-13	31
15	NFPA 13 Overview	Friedman	1	Lynnwood	05-Nov-13	27
16	Underground Piping	Friedman	1	Lynnwood	06-Nov-13	24
17	Plan Review Policies and Procedures	NFSA	1	Moses Lake	19-Nov-13	9
18	Commissioning and Acceptance Testing	NFSA	1	Moses Lake	20-Nov-13	9
11	NFPA 25	Friedman	1	Vancouver	17-Dec-13	25
12	NFPA 25 for AHJ's	Friedman	1	Vancouver	18-Dec-13	14
	<b>18 Days of Training</b>	<b>Total Cost</b>		<b>\$ 47,500.00</b>	<b>Total</b>	<b>309</b>
	<b>Sprinkler Forum</b>	<b>SFMO</b>	<b>1</b>	<b>Renton</b>	<b>30-Apr-13</b>	<b>45</b>

## 2012 Courses

Class #	Course	Instructor	# of Days	Location/TBD	Dates	Attended
1	Commissioning/Acceptance	AFST	2	Tacoma	March 20 - 21	23
2	NFPA 20 Pumps	AFST	2	Tacoma	March 22 - 23	21
3	NFPA 13	NFSA	2	Spokane	March 20 - 21	12
4	NFPA 20 Pumps	NFSA	1	Spokane	March 22	15
5	NFPA 13	NFSA	2	Renton	April 24 - 25	37
6	Seismic	NFSA	1	Renton	April 26	24
7	NFPA - NICET	Friedman	2	Tri-Cities	April 24 - 25	19
8	NFPA 25 AHJ	Friedman	1	Tri-Cities	April 26	11
9	NFPA 13D & 13R	Friedman	2	Spokane	Sept 25 - 26	18
10	NFPA - NICET	Friedman	2	Seattle	Oct 30 - 31	29
11	NFPA 25 AHJ	Friedman	1	Seattle	November 1	30
12	Plan Review	Parsley	2	Renton	Nov 6 - 7	30
13	Seismic - Basic/Advanced	AFST	2	Seattle	Nov 13 - 14	30
	22 Days of Training	Total Cost		\$ 50,920.00	Total	299

□ **2014 Courses (Proposed):**

<b><u>Course Title</u></b>	<b>Hours</b>	<b># of Classes</b>
Fire Service Mains and Their Appurtenances (underground)	4	4
Introduction to Sprinkler Systems	4	2
NFPA 13 – Update	4	2
Design of Sprinkler Systems for Special Storage and High Pile Storage	8	2
Residential Sprinklers: Homes to High-Rise	8	2
Spacing and location of fire sprinklers NFPA 13, Chapter 8	8	2
Advanced Seismic Protection for Sprinkler Systems	4	2
Intermediate Seismic Protection for Sprinkler Systems	4	2
Sprinkler Plan Review Hydraulics and Acceptance Testing	16	2
NFPA - Preparation for the NICET test	16	2
Estimate cost of training - \$42,000	<b>Total</b>	22

**Timeline:**

Request for Quotes – out by January 17, 2014

Review proposals – Award contracts February 14, 2014

First classes – March 2014 to May 2014; September to November 2014

□ **Sprinkler Examinations:**

- Every examination question was individually reviewed for accuracy to the following edition:
  - NFPA 13, 13D, 13R, 20 and 24 – 2010 edition
  - NFPA 25 – 2008 edition

Exam	Level 1			
	Tested	Pass	Fail	Pass %
2013	3	3	0	100
2012	8	0	8	0
2011	16	3	13	18.75
2010	4	0	4	0
<b>Total</b>	31	6	25	19.35

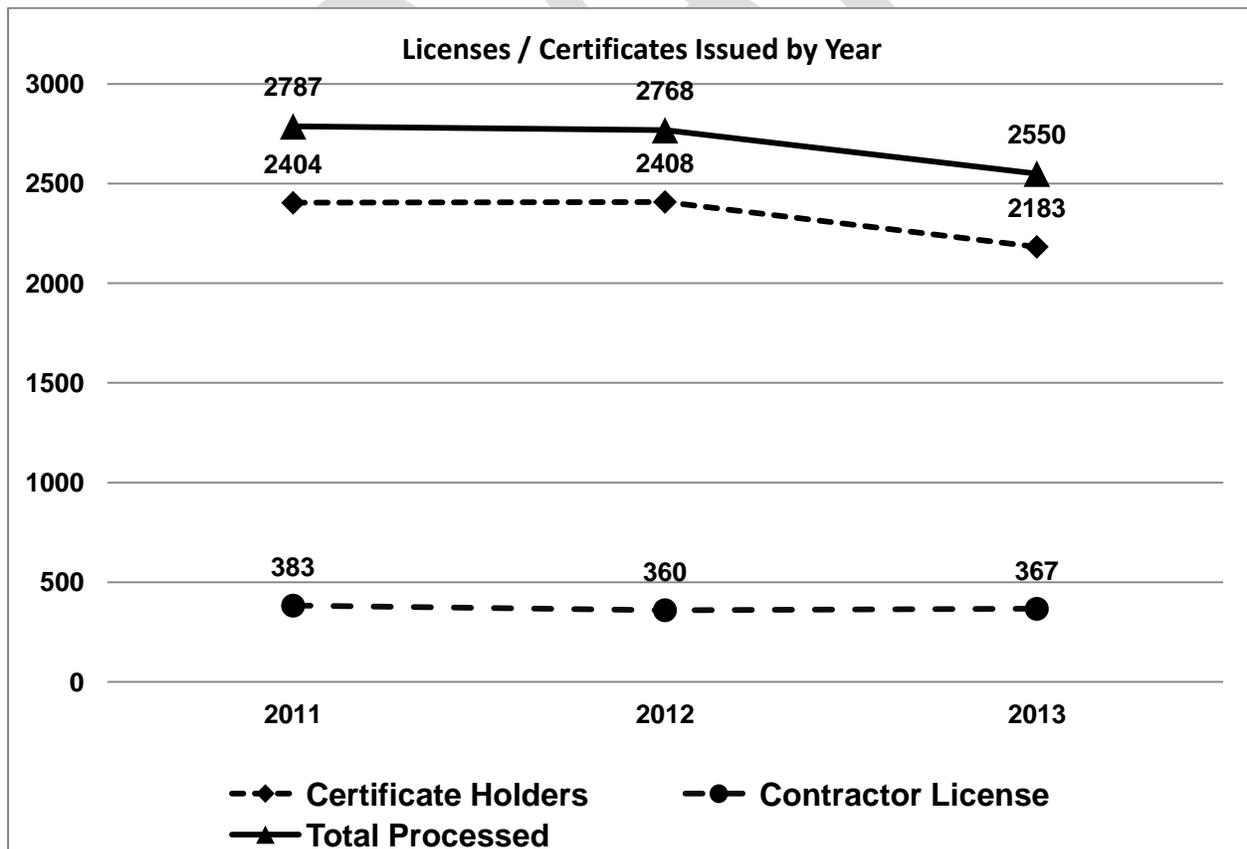
Exam	Journey Fitter			
	Tested	Pass	Fail	Pass %
2013	79	43	36	54.43
2012	65	34	31	52.31
2011	80	48	32	60.00
2010	1	0	1	0
<b>Total</b>	225	125	100	55.56

Exam	Level U			
	Tested	Pass	Fail	Pass %
2013	23	17	6	73.91
2012	33	24	9	72.73
2011	34	22	12	64.71
2010	40	23	17	57.50
<b>Total</b>	130	86	44	66.15

Exam	Residential Fitter			
	Tested	Pass	Fail	Pass %
2013	11	1	10	9.09
2012	4	0	4	0
2011	3	0	3	0
2010	0	0	0	0
<b>Total</b>	18	1	17	5.56

## Licenses and Certificates Issued:

Numbers current as of 12/31/13		2011 YTD	2012 YTD	2013 YTD
Certificate Holders	Level 1	94	77	74
	Level 2	11	8	7
	Level 3	248	249	253
	Level T 3	10	3	3
	Level U	243	231	237
	Level ITT	299	314	332
	Sprinkler Pipefitter	1499	1526	1277
	<b>Total</b>	<b>2404</b>	<b>2408</b>	<b>2183</b>
Contractor Licenses	Level 1	55	47	49
	Level 2	5	3	3
	Level 3	104	103	103
	Level U	203	190	196
	Level I & T	16	17	16
	<b>Total</b>	<b>383</b>	<b>360</b>	<b>367</b>
	<b>Total Processed Per Year</b>	<b>4175</b>	<b>6506</b>	<b>3859</b>



**Contractor License Fund:**

<b>Fire Protection Contractor License Fund 210</b> <b>Monthly Revenues/Expenditures</b> <b>For the Period July 1, 2010 to Present</b>						
<b>Date Mo-Yr</b>	<b>Fiscal Month</b>	<b>Beginning Balance</b>		<b>Expenditures (Outflows)</b>	<b>Revenues (Inflows)</b>	<b>Ending Balance</b>
July-13	1	848,029.56		50,488	2,870	800,411.15
August-13	2	800,411.15		50,195	6,010	756,226.54
September-13	3	756,226.54		47,556	979	709,649.13
October-13	4	709,649.13		89,001	68,979	689,627.02
November-13	5	689,627.02		83,983	231,748	837,392.41
December-13	6	837,392.41		54,827	121,640	904,205.41
January-14	7	904,205.41		54,827	27,980	877,358.41
February-14	8	877,358.41		54,827	10,820	833,351.41
March-14	9	833,351.41		54,826	7,750	786,275.41
April-14	10	786,275.41		54,826	0	731,449.41
May-14	11	731,449.41		54,824	19,380	696,005.41
June-14	12	696,005.41		54,824	5,510	646,691.41
July-14	13	646,691.41		99,274	6,760	554,177.41
August-14	14	554,177.41		62,473	2,100	493,804.41
September-14	15	493,804.41		62,473	2,850	434,181.41
October-14	16	434,181.41		66,223	117,890	485,848.41
November-14	17	485,848.41		70,033	209,880	625,695.41
December-14	18	625,695.41		62,473	103,780	667,002.41
January-15	19	667,002.41		62,477	23,260	627,785.41
February-15	20	627,785.41		62,476	5,240	570,549.41
March-15	21	570,549.41		62,479	15,060	523,130.41
April-15	22	523,130.41		62,482	11,480	472,128.41
May-15	23	472,128.41		62,482	5,880	415,526.41
June-15	24	415,526.41		62,483	5,820	358,863.41
<b>Period</b>				<b>Expenditures</b>	<b>Revenue</b>	<b>Monthly Avg Revenue</b>
<b>Fiscal Year 2005</b>		<b>1,328,091.31</b>		467,152.00	412,258.00	<b>34,354.83</b>
<b>Fiscal Year 2006</b>		<b>1,307,036.31</b>		532,264.00	511,209.00	<b>42,600.75</b>
<b>Fiscal Year 2007</b>		<b>1,285,323.31</b>		552,700.00	530,987.00	<b>44,248.92</b>
<b>Fiscal Year 2008</b>		<b>1,314,875.31</b>		545,271.00	574,823.00	<b>47,901.92</b>
<b>Fiscal Year 2009</b>		<b>1,273,766.02</b>		657,248.00	616,216.00	<b>51,351.33</b>
<b>Fiscal Year 2010</b>		<b>1,054,254.09</b>		767,797.93	548,276.00	<b>45,689.67</b>
<b>Fiscal Year 2011</b>		<b>1,042,071.28</b>		536,532.81	524,350.00	<b>43,695.83</b>
<b>Fiscal Year 2012</b>		<b>951,780.67</b>		612,200.61	521,910.00	<b>43,492.50</b>
<b>Fiscal Year 2013</b>		<b>848,029.56</b>		626,335.78	522,584.67	<b>43,548.72</b>
<b>Fiscal Year 2014</b>		<b>646,691.41</b>		705,004.15	503,666.00	<b>41,972.17</b>
<b>Fiscal Year 2015</b>		<b>358,863.41</b>		797,828.00	510,000.00	<b>42,500.00</b>