BLS Subcommittee
Medic One/EMS Strategic Plan & Levy Reauthorization

Thursday, March 8,
2018 1:00 PM – 3:00 PM
Renton Fire Station #14
1900 Lind Ave SW, Renton

Chair: Denis Law, Mayor of Renton
Alternate: Vic Kave, Councilmember, City of Pacific

Agenda

➢ Opening Remarks & Introductions (10 minutes)

➢ Report from Other Subcommittees (10 minutes)

➢ Follow-up and Discussion on Information Requested (45 minutes)
  - Data requests for allocation discussion
  - Population info
  - Economic Forecast
  - Funding

➢ BLS Priorities (45 minutes)

➢ Next Steps (10 minutes)

Future Meetings of the BLS Subcommittee
Thursdays, 1:00 pm - 3:00 pm at various Renton sites

April 5, 2018  Renton City Hall, Council Chambers, 7th Floor  1055 South Grady Way
May 3, 2018  Renton City Hall, Council Chambers, 7th Floor  1055 South Grady Way
June 7, 2018  Renton Fire Station 14  1900 Lind Ave SW
July 12, 2018  Renton City Hall, Council Chambers, 7th Floor  1055 South Grady Way
August 9, 2018  Renton City Hall, Council Chambers, 7th Floor  1055 South Grady Way
September 6, 2018  Renton City Hall, Council Chambers, 7th Floor  1055 South Grady Way
October 4, 2018  TBD
Medic One/EMS Strategic Plan & Levy Reauthorization

EMS STAKEHOLDER PRINCIPLES

As regional EMS Stakeholders, we are committed to these fundamental principles:

1. **REGIONAL SYSTEM**
   The Medic One/EMS system is based on partnerships that are built on regional, collaborative, cross-jurisdictional coordination. This seamless cohesion allows the system to excel in pre-hospital emergency care.

2. **TIERED MEDICAL MODEL**
   The medical model, with its tiered system and intensive dispatch, EMT and paramedic training and protocols, has led to our success in providing high quality patient care throughout the region.

3. **PROGRAMS & INNOVATIVE STRATEGIES**
   State of the art science-based strategies and programmatic leadership have allowed us to meet the needs and expectations of our residents and our system.

4. **FOCUS ON COST EFFECTIVENESS AND EFFICIENCIES**
   The Medic One/EMS system has maintained financial viability and stability due to the region’s focus on operational and financial efficiencies, effectiveness and cost savings.

5. **MAINTAINING AN EMS LEVY AS FUNDING SOURCE**
   The EMS levy is a reliable and secure source of funding our world-renowned system.
EMS Advisory Task Force:

Thursday, April 26, 2018  1 pm – 3 pm  Tukwila Community Center
Tuesday, July 31, 2018  1 pm – 3 pm  2100 Building Community Room B
Tuesday, October 16, 2018  1 pm – 3 pm  Tukwila Community Center

SUBCOMMITTEES:

**Advanced Life Support (ALS)**  
*Tuesdays from 1:00 – 3:00, South Seattle location*
February 15, 2018  Renton Fire Station 14
March 15, 2018  1:30 – 3:30  **2100 Building Community Room B**
April 10, 2018  2100 Building, Community Room A
May 8, 2018  2100 Building, Community Room A
June 12, 2018  2100 Building, Community Room A
July 10, 2018  TENTATIVE - 2100 Building
August 14, 2018  TENTATIVE - 2100 Building
September 11, 2018  TENTATIVE - 2100 Building
October 9, 2018  TENTATIVE - 2100 Building

**Basic Life Support (BLS)**  
*Thursdays from 1:00 – 3:00, various Renton sites*
February 8, 2018  Renton Fire Station 14
March 8, 2018  Renton City Hall, Council Chambers, 7th Floor
April 5, 2018  Renton Fire Station 14
May 3, 2018  Renton City Hall, Council Chambers, 7th Floor
June 7, 2018  Renton Fire Station 14
July 12, 2018  Renton City Hall, Council Chambers, 7th Floor
August 9, 2018  Renton City Hall, Council Chambers, 7th Floor
September 6, 2018  Renton City Hall, Council Chambers, 7th Floor
October 4, 2018  TBD

**Regional Services (RS)**  
*Tuesdays from 1:00 – 3:00, Renton location*
February 20, 2018  City of Seattle Joint Training Facility
March 20, 2018  Renton Highlands Library conference room
April 17, 2018  Renton Highlands Library conference room
May 15, 2018  Renton Highlands Library conference room
June 19, 2018  TENTATIVE - Renton Highlands Library
July 17, 2018  TENTATIVE - Renton Highlands Library
August 21, 2018  TENTATIVE - Renton Highlands Library
September 18, 2018  TENTATIVE - Renton Highlands Library

**Finance**  
*Tuesdays or Thursdays 1:00 – 3:00, Kirkland location*
February 1, 2018 (Thursday)  Renton Fire Station 14 (1900 Lind Ave SW
April 19, 2018 (Thursday)  Peter Kirk Room, Kirkland City Hall
July 24, 2018 (Tuesday)  Peter Kirk Room, Kirkland City Hall
September 25, 2018 (Tuesday)  Peter Kirk Room, Kirkland City Hall
LOCATIONS:

Renton Fire Station 14
1900 Lind Ave SW, Renton Phone: (425) 430-7000

City of Seattle Joint Training Facility
9401 Myers Way South, Seattle Phone: (206) 386-1600

The 2100 Building
2100 24th Ave S, Seattle Phone: (206) 407-2100

Renton City Hall
1055 South Grady Way, Renton Phone: (425) 430-6400

Kirkland City Hall
123 5th Ave, Kirkland, WA Phone: (425) 587-3000

Renton Highlands Library conference room
2801 NE 10th Street, Renton Phone: (425) 277-1831
EMS Advisory Task Force
Medic One/EMS Levy Reauthorization Calendar

JANUARY 2018

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

Econ forecasts: 3/7-3/14; 7/18-7/27; 8/17-8/27 2/14/2018

Task Force
Finance Subcommittee
ALS Subcommittee
BLS Subcommittee
Ragional Services Subcommittee

Changes made from previous version:
March ALS meeting moved (back by 2 days)
July FINANCE meeting moved (up by 2 days)
September FINANCE meeting moved (up by 2 days)
October TASK FORCE meeting moved (pushed back to the next week)
KC EMS BLS-Only & All BLS Responses - Key Points:
- BLS responses have steadily increased at a rate of 2-7% annually
- Approximately 80% of BLS responses involved BLS-only resources
- Approximately 20% of BLS responses involved both BLS and ALS resources
- Zone 1 responds to approximately 40% of all BLS responses
- Zone 3 responds to approximately 60% of all BLS responses
KC EMS ALS Responses & Cancelled Calls by BLS - Key Points:

- On average, ALS responds to approximately 30,000 calls jointly with BLS
- On average, approximately 17% of ALS responses are cancelled enroute by BLS
- BLS cancelled calls for ALS increased in Zone 3 and is being discussed with the Dispatch Workgroup
KC EMS Low-Acuity Responses & BLS-Only Responses - Key Points:

- On average, agencies respond to approximately 32,000 low-acuity calls annually
- Low-acuity calls (IDCs Y/T, no patient, cancelled calls) account for approximately 25% of all BLS-only calls
- Zone 1 responds to approximately 40% of all low acuity calls
- Zone 3 responds to approximately 60% of all low acuity calls

**LOW-ACUITY RESPONSES & BLS-ONLY RESPONSES (2012-2016)**

<table>
<thead>
<tr>
<th>INCIDENT YEAR</th>
<th>KC EMS Low Acuity BLS Responses</th>
<th>KC EMS BLS-Only Responses (Estimates)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>34,809</td>
<td>113,792</td>
</tr>
<tr>
<td>2015</td>
<td>32,644</td>
<td>105,550</td>
</tr>
<tr>
<td>2014</td>
<td>30,487</td>
<td>100,240</td>
</tr>
<tr>
<td>2013</td>
<td>30,545</td>
<td>96,080</td>
</tr>
<tr>
<td>2012</td>
<td>29,813</td>
<td>94,606</td>
</tr>
</tbody>
</table>

**LOW-ACUITY CALLS BY ZONE (2012-2016)**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>LOW-ACUITY CALLS</th>
<th>Zone 1</th>
<th>Zone 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>18,013</td>
<td>11,800</td>
<td>6,213</td>
</tr>
<tr>
<td>2013</td>
<td>18,352</td>
<td>12,193</td>
<td>6,159</td>
</tr>
<tr>
<td>2014</td>
<td>19,045</td>
<td>11,442</td>
<td>7,603</td>
</tr>
<tr>
<td>2015</td>
<td>20,645</td>
<td>11,999</td>
<td>8,646</td>
</tr>
<tr>
<td>2016</td>
<td>19,878</td>
<td>14,931</td>
<td>4,947</td>
</tr>
</tbody>
</table>
King County’s Changing Demographics

Investigating Recent Growth Trends

Chandler Felt, Demographer
King County Office of Performance, Strategy and Budget
King County Emergency Medical Services, January 31, 2018

Contact info:
(206) 263 – 9693
Chandler.felt@kingcounty.gov

Long range trend: steady growth

The county’s population has grown 70% in 37 years. Fairly steady growth, although somewhat faster in just the last 4 years.
Long range trend: steady growth

The county’s population has grown 70% in 37 years. Fairly steady growth, although somewhat faster in just the last 4 years.
More than half of our recent growth is immigration

King County Population Trend by Place of Birth

<table>
<thead>
<tr>
<th>Year</th>
<th>Native-born</th>
<th>Foreign-born</th>
<th>Total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>1,366,700</td>
<td>140,600</td>
<td>1,507,300</td>
</tr>
<tr>
<td>2000</td>
<td>1,468,700</td>
<td>268,300</td>
<td>1,737,000</td>
</tr>
<tr>
<td>2011</td>
<td>1,544,500</td>
<td>395,100</td>
<td>1,939,600</td>
</tr>
</tbody>
</table>

Where is our growth coming from?

King County residents speak 170 different languages

Major Languages Spoken in King County

- Spanish: 102,000
- Ukrainian: 10,000
- Russian: 17,700
- Vietnamese: 30,200
- Chinese: 51,000
- Korean: 21,100
- Japanese: 11,300
- Tagalog: 22,900
- Hindi, Punjabi: 18,400
- Somali, Amharic: 23,400
- Ger, French: 20,400
- Other: 73,500
- Total: 401,900
Three broad subareas of King County:

- Seattle-Shoreline
- Eastside
- South King County

Population growth: more than 600,000 in 27 years
Growth is shifting FROM South King County TO Seattle
Since 2010, Growth of Senior Pop All Over
Over-65 pop by subarea, 1990 - 2016

Projected Growth of Seniors in King County
20-year change: boomers, young adults, pre-schoolers

Unincorporated King County: dwindling share of population

Change in Jurisdictions, 1980 – 2016
(Population in thousands)
20+ years of shifting growth patterns: redirecting growth from rural and fringe into center

Percent of New Housing Units in Puget Sound Region, 1991 - 2013

really

What future trends can we expect?

• Continuing population growth in Puget Sound.
• Continuing increase in diversity of cultures...??
• Perhaps Probably increasing disparity between communities.
• Growth in Seattle and the suburban cities - less growth on the fringe.
• Pop growth and housing price increase: slowing soon?
• Continuing shift from unincorporated into cities – or not
2018 King County Economic and Revenue Forecast (Abridged for BLS Subcommittee)

Presentation to the Medic One/EMS Financial Subcommittee

Originally presented: February 1st, 2018

Dave Reich
Office of Economic and Financial Analysis
Overview

2017 continued many of the trends we’ve seen since the end of the recession

Lots of worry about “episodic volatility” due to a very stable genius
But overall economic conditions were pretty good
Growth will finish around 2%-2.5% (we’ve averaged 2.2% this expansion)
Job adds around 170K/month
Unemployment at 4.1% in December
Fed raises FF rate target three times in 2017

2018 looks faster, lower and higher

Growth looks to pick up a little on fiscal stimulus and momentum (2.5% - 2.8%)
Should achieve second longest expansion on record (after April, 2018)
Unemployment may fall to lowest level since the 1960s (<3.8%)
Inflation likely to pick up a little
Housing market continues growth

Biggest risk/uncertainty; federal gov., stock market
...And unemployment is reaching levels not seen for years

Unemployment Rates: U.S. & King County
Recession (bar), King County (bar), U.S. U3 (line), U.S. U6 (line)
Source: Bureau of Labor Statistics

OEFA
King County

U-6
U-3
KC

Jan-06  Jan-07  Jan-08  Jan-09  Jan-10  Jan-11  Jan-12  Jan-13  Jan-14  Jan-15  Jan-16  Jan-17
This reduced labor slack is leading to rising wages.
CPI Inflation is expected to be pretty stable

U.S. Inflation Growth
Source: FRED, Blue Chip Indicators, IHS Global Insight
2017 was another year of growth for King County’s economy

King County Economic Indicators
2017 actuals vs. 20 year average
Source: PSEF, Case-Shiller, WA DOR, BLS

- Employment Growth: 3.6% (2017), 1.6% (20 year average)
- House Prices: 12.8% (2017), 5.3% (20 year average)
- Taxable Sales: 5.0% (2017), 4.4% (20 year average)
- Inflation: 3.2% (2017), 2.5% (20 year average)
Local job growth for seventh straight year with more likely to come!

King County Annual Employment Growth

With Actuals and Forecast bars

Source: King County Forecast Model Q4 2017
Employment growth by industry has been variable

### Employment Growth by Sector

Total growth from 2000 to 2017

Source: WA ESD

<table>
<thead>
<tr>
<th>Sector</th>
<th>Growth Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ./Health</td>
<td>44.7%</td>
</tr>
<tr>
<td>Information</td>
<td>40.6%</td>
</tr>
<tr>
<td>Leisure</td>
<td>37.4%</td>
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<tr>
<td>Pro/Bus Services</td>
<td>28.4%</td>
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<tr>
<td>Other Serv</td>
<td>26.0%</td>
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<tr>
<td>Government</td>
<td>16.0%</td>
</tr>
<tr>
<td>Construction</td>
<td>14.0%</td>
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<tr>
<td>Trade/Tran/Util</td>
<td>0.2%</td>
</tr>
<tr>
<td>Financial</td>
<td>-11.1%</td>
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<tr>
<td>Manufacturing</td>
<td>-21.9%</td>
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</table>
The KC forecast for 2018-2019 calls for growth but at a little slower pace.
King County New Construction

In billions $, with Actuals and Forecast bars
Source: King County Department of Assessments
EMS Levy Amounts (Actuals vs. Inflation+Population)

EMS Levy Amounts (2002-2019)
EMS Actuals (2019 Forecast) & EMS Inflation + Population Estimates
Source: KC DOA, OEFA
EMS Levy Amounts with Levy Reset each Levy Period

EMS Levy Amounts w/ Levy Rate Reset each Levy Period

EMS Actuals & EMS Inflation + Population with Levy Rate Reset

Source: KC DOA, OEFA
King County
Office of Economic and Financial Analysis

BLS Total Funding
(breaks out BLS Allocation, BLS Core Services, and CMT/Alts to CMT)

<table>
<thead>
<tr>
<th>Year</th>
<th>Reg'l Supp/Initiatives*</th>
<th>CMT &amp; CMT Alts</th>
<th>BLS Core Services</th>
<th>Basic Life Support</th>
<th>Advanced Life Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>$3</td>
<td>$9</td>
<td>$10</td>
<td>$9</td>
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<td>2016</td>
<td>$10</td>
<td>$14</td>
<td>$15</td>
<td>$16</td>
<td>$40</td>
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<tr>
<td>2017 Est</td>
<td>$11</td>
<td>$14</td>
<td>$15</td>
<td>$16</td>
<td>$40</td>
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</table>

In Millions

BLS Total Funding
(combines BLS Allocation, BLS Core Services, and CMT/Alts to CMT)

<table>
<thead>
<tr>
<th>Year</th>
<th>Reg'l Supp/Initiatives*</th>
<th>Basic Life Support</th>
<th>Advanced Life Support</th>
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<tbody>
<tr>
<td>2002</td>
<td>$3</td>
<td>$9</td>
<td>$20</td>
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<tr>
<td>2017 Est</td>
<td>$11</td>
<td>$14</td>
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In Millions

*Includes audit
<table>
<thead>
<tr>
<th>Type of Funding</th>
<th>BLS Allocation</th>
<th>BLS Core Services</th>
<th>Programs Available to All BLS Agencies</th>
<th>Targeted Regional Approaches - BLS</th>
<th>RSSI Programs Supporting BLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>How Distributed, Used, and examples</td>
<td>Distributed based on allocation to all agencies; can be to cover any BLS expense.</td>
<td>Distributed based on allocation to all agencies. Can be used for equipment, unplanned expenses or added/supplemental programs. Primary use has been for power stretchers &amp; defibs, pooled to support agency portion of CMT costs. When funding for an aid car was lost, Bellevue used $s to keep an aid car in service.</td>
<td>Funding available to all BLS Agencies. Programs include or require specific scopes of work and some type of application. Includes BLS QI &amp; Training SI, Small Grants for EMS Agencies; BLS Small Grants for Injury Prevention, E&amp;E, Taxi Vouchers, Alternatives to CMT</td>
<td>Programs targeting specific areas that have eligibility requirements, includes programs such as CMT, Reg’l EMT Initial Training SI</td>
<td>Services provided by levy to BLS Providers. Include RSSI programs such as Regional Medical Direction, Regional QI, Regional Records Management including ESO NEMSIS and other dataset, Online Training - EMT &amp; PCE, CBT Workshops, Taxi Vouchers, Nurseline, Vulnerable Populations SI (VPSI), Communities of Care</td>
</tr>
<tr>
<td>Subcommittee actions</td>
<td>Total amount of funding, yearly increase formula &amp; methodology for allocating to BLS agencies reviewed and recommended by BLS Subcommittee.</td>
<td>BLS Subcommittee review to determine if continue, if so, potential modifications and funding level.</td>
<td>BLS Subcommittee can choose to review and make recommendations to Regional Services Subcommittee.</td>
<td>Review in both BLS and Regional Services Subcommittees depending on project</td>
<td>These services reviewed in Reg’l Services Subcommittee as part of the levy planning process and adjusted to meet needs of providers.</td>
</tr>
<tr>
<td>How funded</td>
<td>Annual Allocation</td>
<td>Biennial allocation</td>
<td>Funding by project</td>
<td>Funding by project</td>
<td>Funding by service or project</td>
</tr>
<tr>
<td>2014-2017 $s</td>
<td>$65,508,662</td>
<td>$2,355,835</td>
<td>$888,701</td>
<td>$3,352,886</td>
<td>$15,511,413</td>
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<tr>
<td>2014-2017 Avg</td>
<td>$16,377,166</td>
<td>$785,278</td>
<td>$347,499</td>
<td>$1,076,416</td>
<td>$4,020,782</td>
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<tr>
<td>% of BLS Total</td>
<td>75%</td>
<td>3%</td>
<td>1%</td>
<td>4%</td>
<td>18%</td>
</tr>
</tbody>
</table>

TOTAL | $87,617,498 |

3/8/2018