

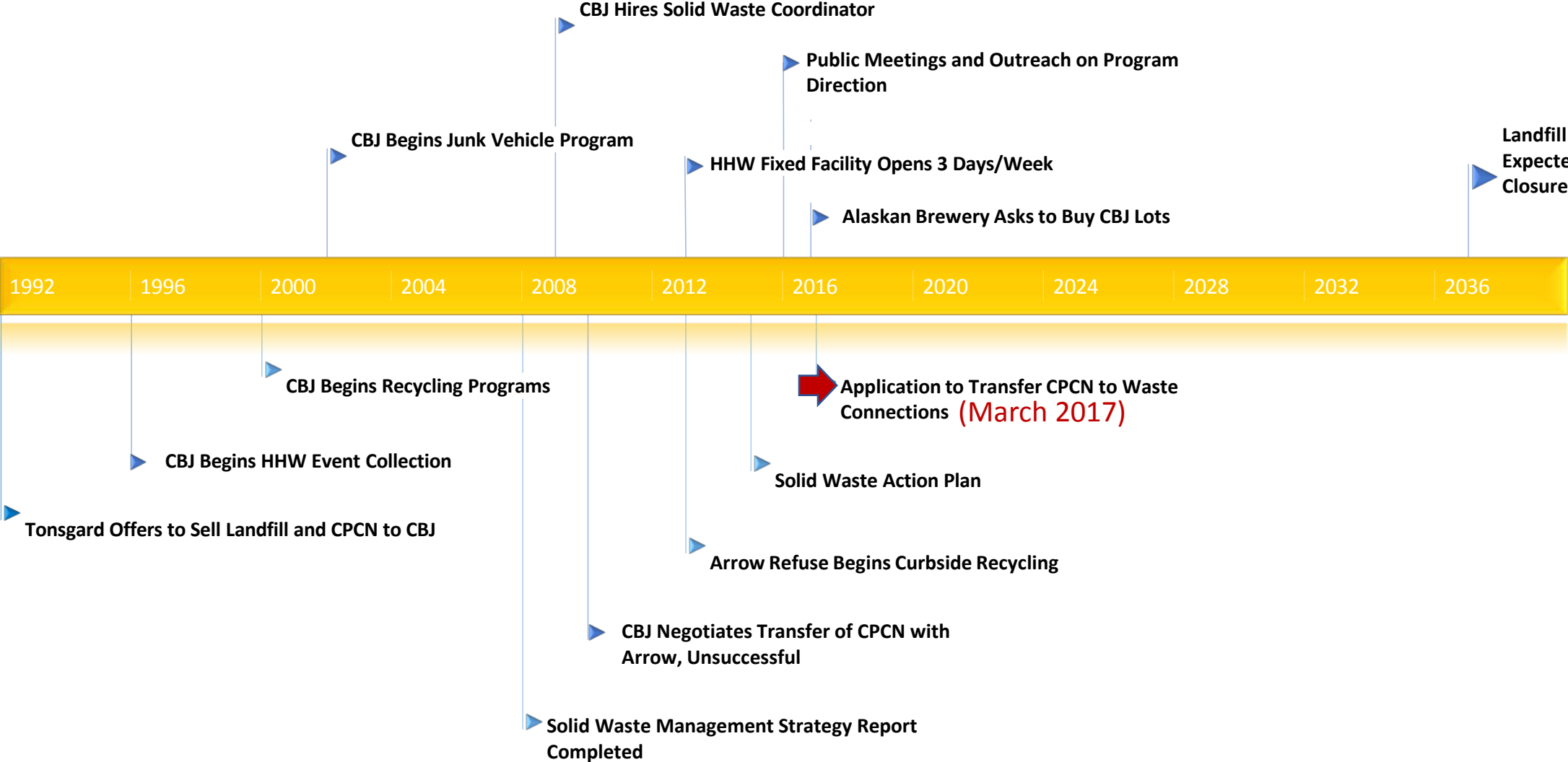
Assembly Goal 2017: Ensure that Juneau has a functioning local solid waste disposal option into the future.



The CBJ RecycleWorks Program protects the health and safety of our community and environment and aims to maximize diversion of wastes from the landfill.

Waste Management in Juneau

Major Events Timeline



Capitol Landfill is an Asset to our Community

From Capitol Landfill Juneau:

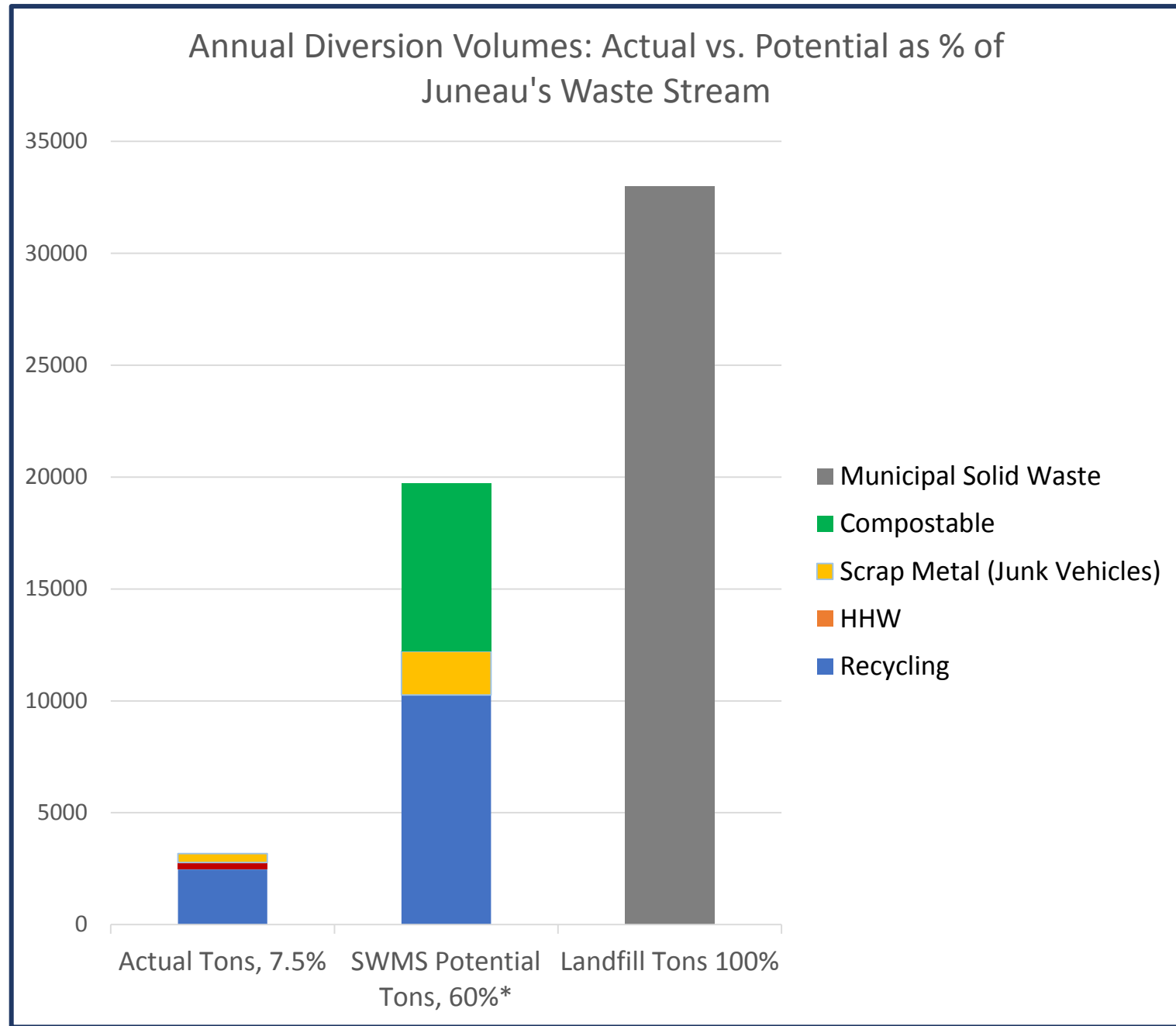
“Every 100 tons of recycling that we divert from the landfill keeps our landfill open another day for materials that are not reusable.”

If Juneau diverted 60% of waste from the landfill for two years, we would extend its life another year.

From the Mat-Su Borough landfill:

“Waste kept from the landfill generates savings of just over \$0.25 a pound. This is the cost of a pound of trash over a 5 year period. Five years is the lifespan of a landfill cell. The longer we keep that cell open through space saving measures, the more we save.”

<https://www.matsugov.us/recycling>



* Based on Solid Waste Management Strategy Report 2008, waste composition model.

Public Health and Safety Benefits of the Program and Waste Diversion

Junk Vehicle Program

- Prevents **Public Health and Safety Hazards** by keeping junk vehicles from being abandoned on public and private property.
- **Diverts waste** from the landfill to prolong its life.
- Communities without the program spend more money removing abandoned cars from streets and properties.



Recycling



- **Diverts waste** from the landfill to prolong its life.
- Reduces Green House Gas Emissions.

Household Hazardous Waste Program

- Prevents **Public Health and Safety Hazards** in the community.
- **Diverts waste** from the landfill including toxic, corrosive, acidic wastes.
- May reduce CBJ's liability in site contamination events.

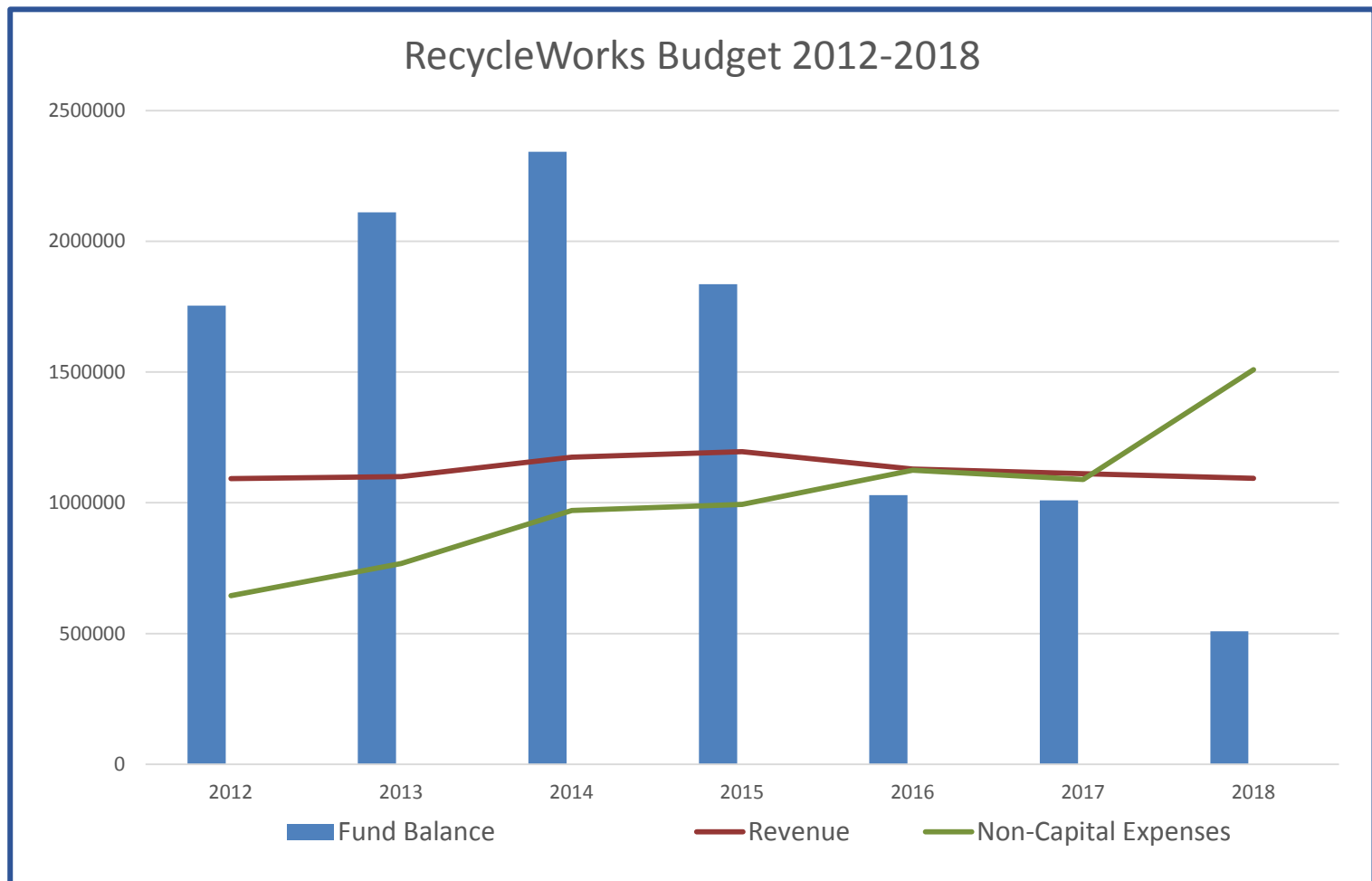


Composting Potential



- **Potential to divert waste** from the landfill.
- Recycled locally and creates a marketable product.
- CBJ is not currently composting.

RecycleWorks Costs Increasing and Revenue Decreasing



Material Sales (Revenue)

On average, material values fell 40% since FY 14. Recyclable Materials are market commodities; prices rise and fall with international market trends. Metal prices and mixed paper are rising slightly this year.



Contract Cost (57% of FY17 O&M budget)

On average, costs rose 25%-40% since FY 15. Junk Vehicle will increase 300% in FY18. RecycleWorks manages 7 major contracts for service, shipping, disposal and recycling.



Staff Cost (18% of FY17 O&M budget)

FY 17 budget added the appropriate allocation for Director and admin, .25 FTE for supervisor and .25 FTE for operator of drop box program. FY 18 budget proposes to increase operator by .75 FTE.

Capital Expenditures FY 15 - FY 18

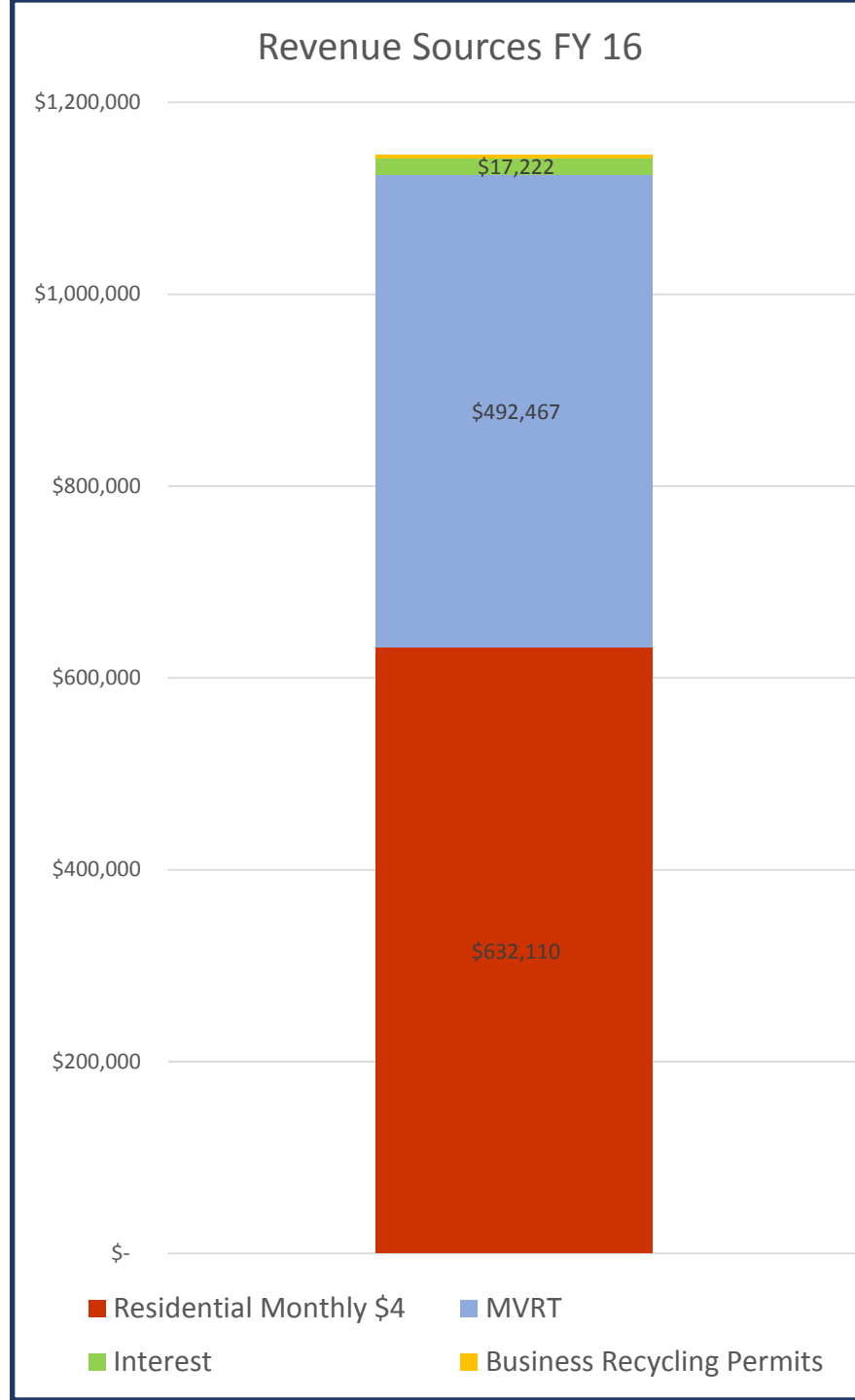
FY15	\$ 700,000	New Baler Purchased to Allow Expansion of Recycling Programs - Drop Boxes, Schools, Commercial
FY16	\$ 850,000	RecycleWorks buys Streets out of HHW building by constructing sand/salt storage structure at 7 mile
FY17	\$ 63,000	Drop Box Containers located around community to increase access and convenience for recycling
FY18	\$ 105,000	Add'l Drop Boxes and Partial Funding for a Burn Box to incinerate marine flares, medical waste and pharmaceuticals

CBJ Program User Rates

- Rates are established under CBJ Code Chapter 36.12 and 69.30
- \$4 fee established 2004

Residential Recycling and HHW	\$4	Monthly	Per Unit Residence
Motor Vehicle Registration Tax (MVRT)	\$22	Annual	Non Commercial Passenger
Business Recycling*	\$100	Annual	HHW fees by Material and lb.

*700 commercial water and wastewater accounts are billed monthly at commercial rates. RecycleWorks processes about 20-40 voluntary business recycling permits per year program and averages \$2000-\$4000 in annual permit fee revenue.

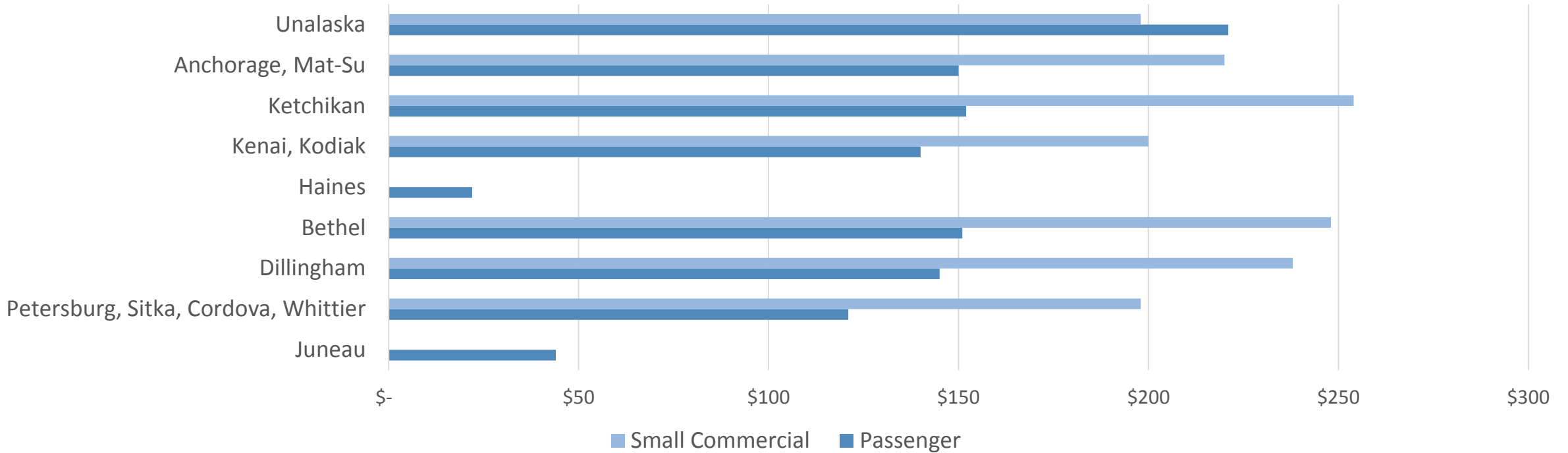


Comparable Program User Rates

Program Rates for Recycling and HHW Programs

City	Monthly Fee
Juneau	\$4
Ketchikan and Borough	\$18

Motor Vehicle Registration Biennial Tax Rates in Alaska



**Small Commercial is 5001 lbs to 12,000 lbs and Tour Buses (tour bus excluded from Anchorage and Mat Su).*

Alaskan Brewing Company (AKB) would like to expand west and purchase CBJ Water Utility and Salt Box Lots.



Water Utility – Relocation of Water Uses

- Water Shop, Equipment Storage, SCADA system and offices are located here.
- The public does not access these buildings for any programs.
- AKB is currently leasing space in one of the buildings.

RecycleWorks – HHW Public Program Relocation

Opportunity for the Consolidation of Programs

- New location could be a One Stop Drop Off for HHW, Recycling, Composting and Scrap Metal (Junk Vehicles).
- Public has proved that **convenience = increased program usage and increased diversion from landfill** with higher volumes brought to the HHW fixed facility and the wild success of the drop box program.
- Potential for operational efficiencies and lower O&M costs, staff can work between programs. Currently we have 3 programs under three contracts in three locations and offsite offices.

4 Locations Considered

1. Valley Shop, Barrett Avenue

2 acres, 6000 SF Building
Constructed 1974



Pros

- CBJ owns the land.

Cons

- Space is tight; either Water Utility or HHW could fit here with minimal building upgrades.
- Collocating Water Utility and RecycleWorks HHW would require building additions.
- Less convenient location may reduce volumes received at HHW.
- Consolidated RecycleWorks is not possible on this site, baling of recycling could happen here with a new covered structure, but not main public drop off for recycling. Junk Vehicles and Composting would be elsewhere.

2. Channel Construction Property, Anka Street

5.5 acres, \$3.3M sale price
7500 SF Building



Pros

- Site can accommodate consolidated RecycleWorks programs, assumes Water Utility moves to Valley Shop.
- Convenient location for public, little change to existing public access and adjacent to Junk Vehicle contract operation.
- Land sale may include option to buy adjacent 1 acre property with Junk Vehicle operation when ready to sell in a few years.
- Much of the site is paved already.

Cons

- Site can accommodate a pilot composting program only or a junk vehicle program (without purchasing adjacent site).
- Covered structure for Recycling would need to be built.

3. Lemon Creek, old Gravel Pit

3-6 acres, undeveloped



Pros

- Site can accommodate consolidated RecycleWorks programs and has room for full composting program, assumes Water Utility moves to Valley Shop.
- Location convenient and accessible at edge of developed Lemon Creek areas.

Cons

- Requires access road and utilities to be constructed,
- May affect future land use potential.
- Opportunity Cost for development of land.

4. Capitol Disposal Landfill, Lemon Creek

Waste Management (WM) proposes building a new recycling and HHW building at landfill and operating programs under a 10 year contract.



Pros

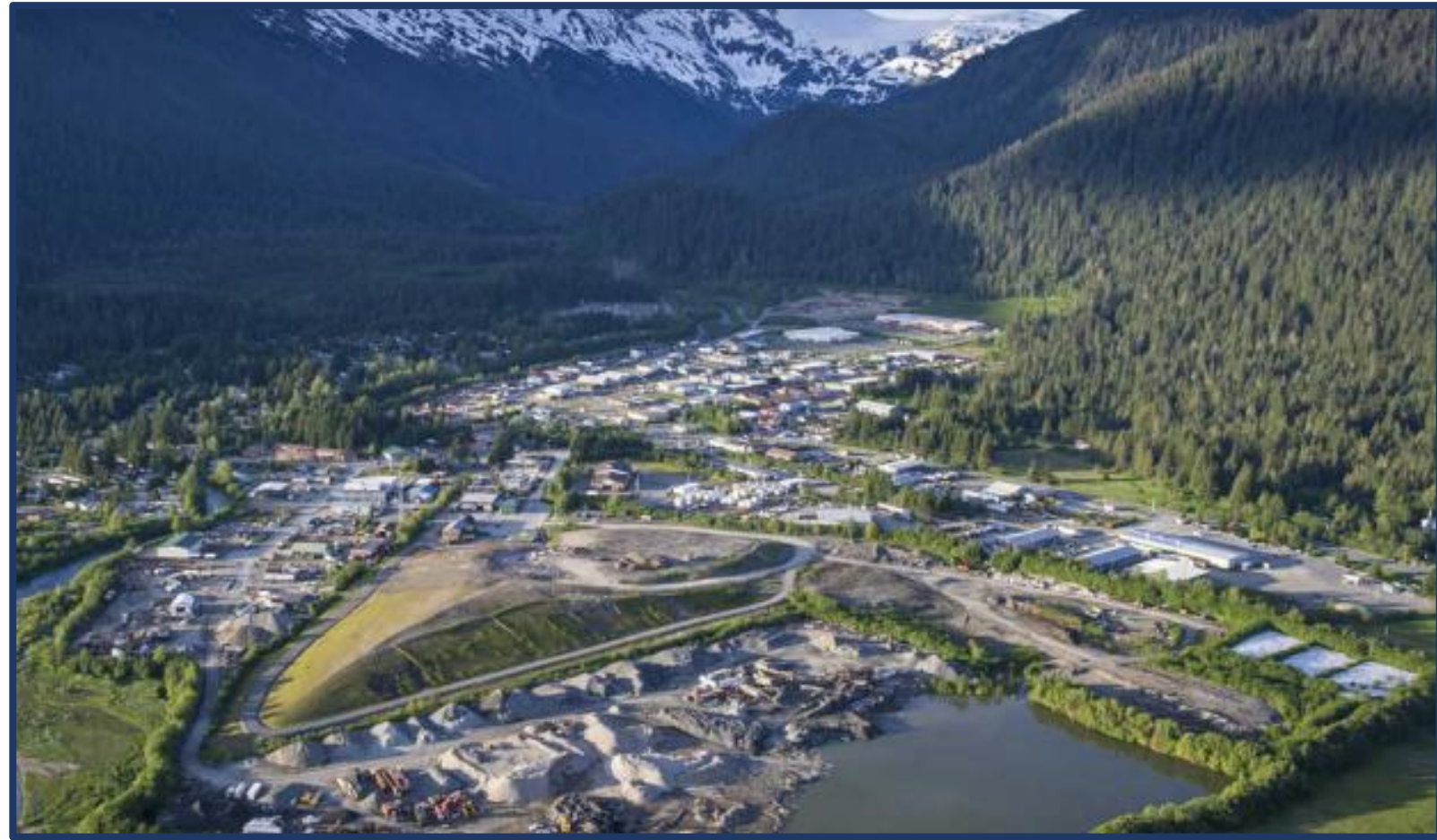
- Site can accommodate consolidated RecycleWorks programs, assumes Water Utility moves to Valley Shop.
- Convenient location, public accustomed to recycling at landfill.

Cons

- At end of 10 year contract, CBJ would not own the facility.

Does maximizing diversion from the landfill meet the Assembly goal to

‘Ensure that Juneau has a functioning local solid waste disposal option into the future?’



If yes, the next steps for consideration are:

1. Go to the Lands Committee with information on Alaskan Brewery land sale and potential relocation and consolidation of programs.
2. Go to the Finance Committee with analysis on program costs and user rate revenue required to sustain the program.