



**Seldovia City Council  
Laydown  
February 10, 2020**

Pages 3-5 Lollipop Park Committee Report 02/10/20

Pages 6-16 City Manager's Report

*NOTES*

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**Committee Members:**

Shannon Custer

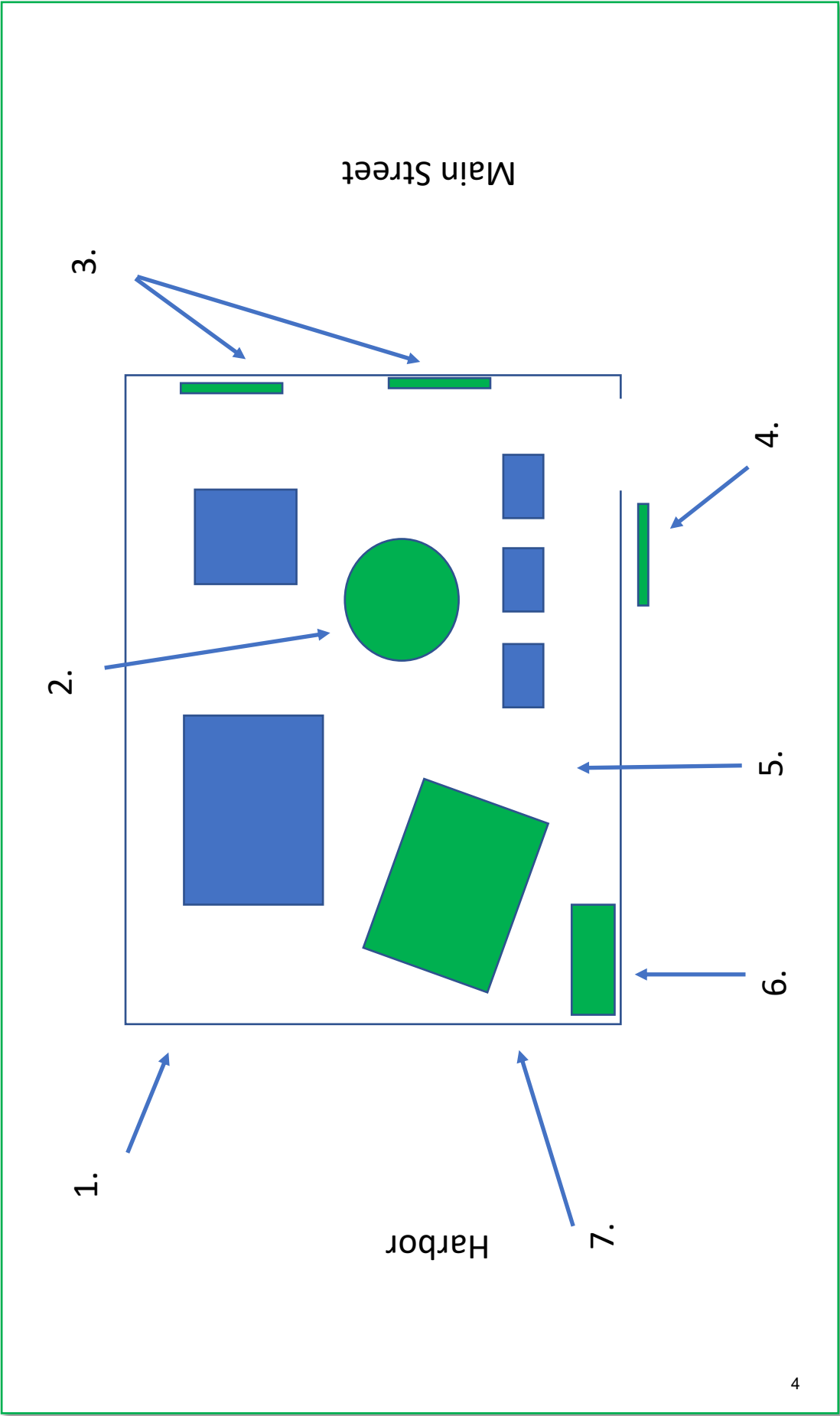
Dianne Gruber

Laurel Hilts

Kate Hohman-Billmeier

**Committee Recommendations  
as of 2/10/20:**

- 1. FENCING** Extend the harbor-side fencing two feet toward the water.  
**\$ Purchased Fencing Materials, Freight, and City Labor**
  
- 2. CLIMBABLE DOME**  
Remove the spring-based equipment and replace it with a climbable dome.  
**\$ Purchased Material & Playground Equipment, Freight, and City Labor  
(Equipment priced at \$4,200)**
  
- 3. PLAY PANELS**  
Mount two interactive panels along the fencing.  
**\$ Purchased Material & Playground Equipment, Freight, and City Labor  
(Equipment priced at \$5,400)**
  
- 4. INTERPRETIVE SIGN**  
Commission a new sign with the park name and interpretive artwork featuring baby creatures of the land and sea.  
**\$ Artist and Printing Costs, Installation Materials and City Labor  
(Approximately \$1,200)**
  
- 5. PEA GRAVEL**  
Lay pea gravel to even out the playground at nine inches of height.  
**\$ City Material, Machinery and Labor**
  
- 6. BENCH**  
Place a bench along the fencing for parents/baby sitters to sit.  
**\$ Purchased Equipment, Freight, and City Labor  
(Equipment priced in a range of \$1,000)**
  
- 7. SEE-SAW**  
Remove the two foundation pieces from equipment that has been removed and add a 4-seat see-saw.  
**\$ Purchased Material & Playground Equipment, Freight, and City Labor  
(Equipment priced at \$10,000)**



Climbable Dome  
Age: 2-12 years  
Area Required: 19 X 19



See-Saw  
Age: 2-12 years  
Area Required: 17 X 24

Sample Interactive Panel  
Age: 5-12 years



Sample Bench





To: Mayor Lent and Seldovia City Council  
From: Cassidi Cameron  
Subject: City Manager's Report  
Date: February 10, 2020

### **CITY MANAGER REPORT**

- FY2021 Budget Season
- 2020 Alaska Counts Census Outreach
- DOT Memorandum of Agreement Amendment: ongoing
- SVFD and BHVFD Memorandum of Agreement and Mutual Aid Agreement development
- Water Reservoir Data – Information and planning
- LED Indoor Light Conversion Plan – Phase I: equipment is enroute
- Remote Sellers Sales Tax Commission
- Land Use Management Plan - workshop in April
- Economic Development for Seldovia
- City of Seldovia Wastewater PER RFP
- Census 2020
- City of Seldovia Election Process Development

### **City Department Projects:**

- Right Of Way clearing of fallen trees project plan– Public Works Department
- Harbor Float and Finger Repair Plan – Small Boat Harbor and Jakalof Harbor
- Water line frozen at Harbor
- Snow Removal
- Water Infrastructure Projects
  - Water line repair plan development
    - Main Street around 275 Main Street
    - Dock Street at hydrant
- Personnel Policy Development
- City Document and Archive Project



# Tyr, LLC

A proposal for Seldovia, Alaska

1/31/2020

*“The time to repair the roof is when the sun is shining.”*

*-John F Kennedy, 1962*

# Tyr, LLC's Service

- ▶ Provide nearly real-time water data.
- ▶ Service calculates and displays usable water volume stored in snowpack.
  - ▶ The snow acts as a bank account for water. During the winter, snowfall builds it up like making deposits to a bank account. During the summer we withdraw our savings as the snow melts.
  - ▶ During warm and dry summers, that savings gets used up faster leaving us living paycheck to paycheck, i.e. rainfall to rainfall. But, there has been no accurate way to tell how much is actually in that account.
  - ▶ Tyr allows you to track how much is in the account and help see when the withdrawals are happening too fast. If historic trends for melt and consumption are available, we can overlay those on the current year to help identify issues early.
  - ▶ This will allow Seldovia to make rationing decisions earlier. If it comes time that water needs to be brought in, this will allow that call to be made earlier, reducing some stress from the emergency and reducing the cost of the emergency shipment.



# Communities need accurate information as early as possible.

## ▶ Crucial Need

- ▶ Southcentral Alaska is accustomed to consistent moisture and cool summers but, as this last summer has shown, we can no longer rely on historic trends.
- ▶ We are unprepared for droughts.
- ▶ Seldovia ran out of water during the summer of 2019 and with incomplete water data, was not able to respond until it was an emergency.

# Hardware & Software



- ▶ Hardware
  - ▶ Onsite weather station similar to this SnoTel in Badger Pass, Montana
  - ▶ Collects and transmits onsite conditions into the software for processing
- ▶ Tyr, LLC's proprietary algorithm calculates:
  - ▶ water volume in snow pack
  - ▶ snow pack melt rate
  - ▶ Amount of useable water that will reach your reservoir

# Interface & Training

- ▶ Customization
  - ▶ Work with Water and Sewer staff to tailor the interface to fit your needs.
- ▶ Interface: Microsoft PowerBI
  - ▶ Data visualization software
    - ▶ Simplifies interpretation of complex data.
    - ▶ Helps the user make informed decisions quickly.
  - ▶ Can be accessed by any authorized person anywhere with internet.
- ▶ Tyr, LLC will provide
  - ▶ Training to Water and Sewer staff that will use the system.

# Maintenance & Upgrades

- ▶ Tyr, LLC will provide maintenance on hardware and software.
  - ▶ Cost of maintenance and cloud computing included in a yearly fee.
- ▶ Tyr, LLC values its initial deployment partners, and as such, you will receive future software upgrades and developments for the length of all service contracts.
  - ▶ Developments to look forward to:
    - ▶ Single service for all domestic water supply information.
    - ▶ This includes snowpack, rainfall and reservoir data.

# Pricing Options

	<b>Option 1</b>	<b>Option 2</b>	<b>Option 3</b>
<b>Upfront Total (2020)</b>	<b>\$75,000</b>	<b>\$65,000</b>	<b>\$55,000</b>
Hardware Order	\$25,000	\$25,000	\$25,000
Software Delivery	\$50,000	\$40,000	\$30,000
<b>Annual Software Service (2021 &amp; 2020 – per year)</b> •includes service & maintenance •price is valid for 3 years	<b>\$12,000</b>	<b>\$16,000</b>	<b>\$20,000</b>

\*All pricing options receive the same service

# About Tyr, LLC

- ▶ Founded in 2018
- ▶ Created and tested core code during the winter of 2018/2019
- ▶ Code Testing Results:
  - ▶ Average of 0.03 degrees Celsius off of measured temperature (98% below the upper limit threshold)
- ▶ Working with the Department of Energy's Anchorage Office and Launch Alaska
  - ▶ DOE Contact: Givew Kochanowski - (907)271-1423



# Contact Information

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## Estimate

### ADDRESS

Seldovia, City of Inc  
 261 Lipke Ln  
 Seldovia, AK 99663  
 United States

**ESTIMATE #** 1003

**DATE** 01/24/2020

**EXPIRATION DATE** 01/31/2020

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
01/24/2020	<b>VISION Inspector ROV Spread</b>	Day rate for ROV basic spread, standard sensor equipment, and all topside equipment.	1	800.00	800.00
01/24/2020	<b>ROV Supervisor</b>	Day rate for ROV Supervisor.	1	1,500.00	1,500.00
01/24/2020	<b>ROV Technician</b>	Day rate for ROV Technician.	1	1,000.00	1,000.00
01/24/2020	<b>ROV Equipment Prep Fee</b>	One time flat rate move/demove fee. Billed at the reduced rate provided exclusively for Homer Harbor and Seldovia Harbor.	1	500.00	500.00
01/24/2020	<b>Job Expense</b>	Cost plus 10% billed for all job related expenses not provided by the City of Seldovia. Transportation, meals, lodging etc. To be defined prior to contract implementation.	1	0.00	0.00

TOTAL

**\$3,800.00**

Accepted By

Accepted Date