



GETTING STARTED

SNOWMAKING & CROSS COUNTRY

AGENDA

**Why
Snowmaking?**

01

3 Essentials

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Starting Steps

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**Success
Stories**

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WHY SNOWMAKING?

- 
- A faded background image of a group of cross-country skiers in a race, wearing bibs with numbers and brand names like 'SKIERG'.
- ❶ GET PEOPLE ON SNOW
 - ❷ EARLIER, MORE RELIABLE
 - ❸ LENGTHEN YOUR SEASON

3 ESSENTIALS FOR SNOWMAKING



WATER



POWER



CAPITAL

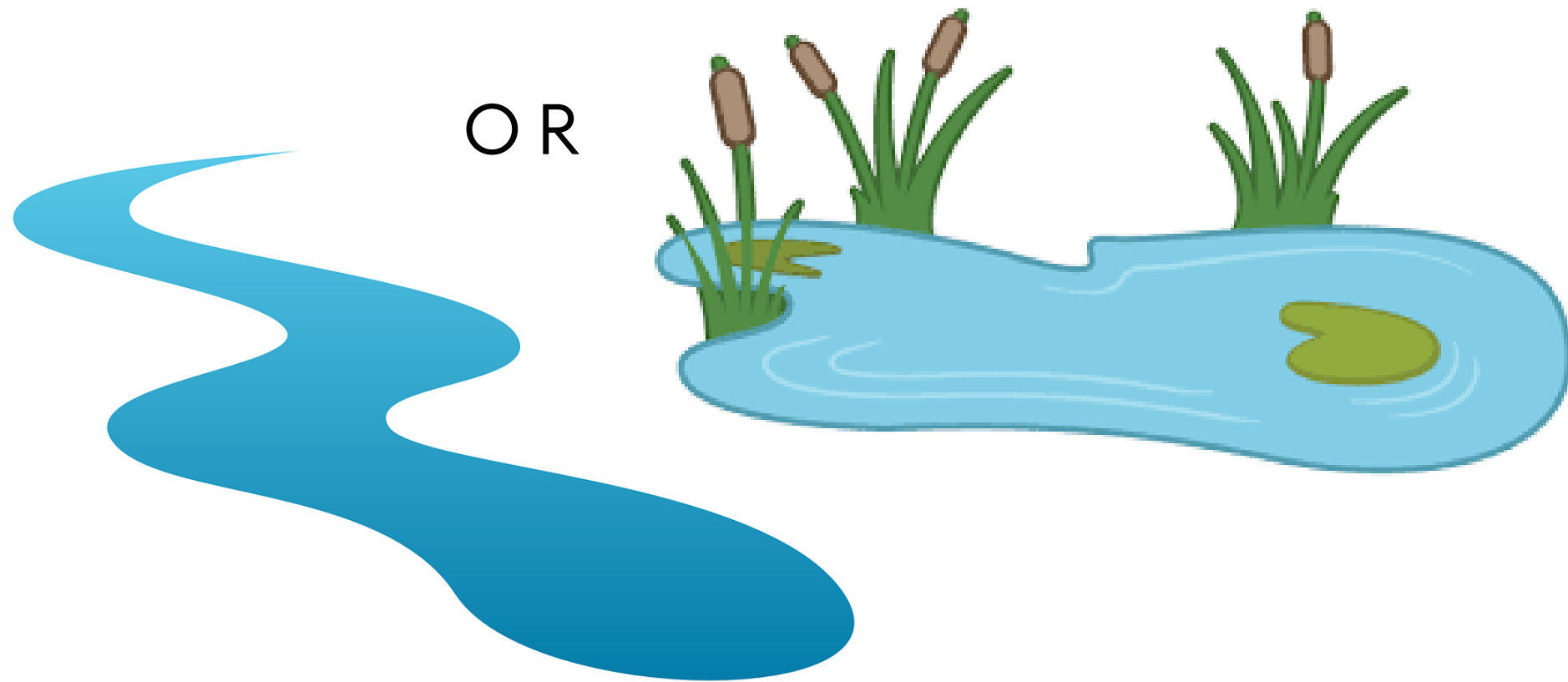
WHAT COULD YOUR
STARTER SNOWMAKING
SYSTEM LOOK LIKE?

STEP 1:

WATER SOURCE

1 KM * 21 Feet Wide * 2 Feet Deep = 630,000 Gallons of Water

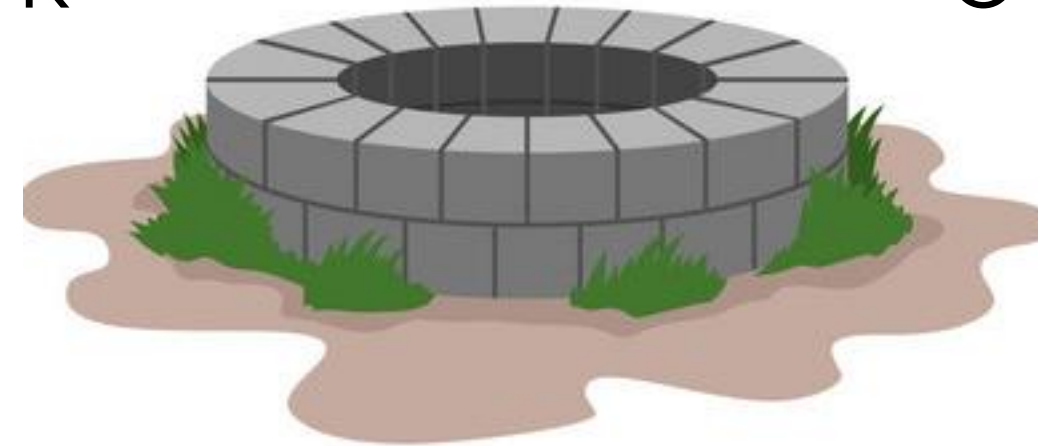
OR



RIVER

POND

OR



WELL

OR



HYDRANT

STEP 2:

SUPPLY PUMP & BOOSTER PUMP

| ITEM | COST |
|--------------|------------------|
| Supply Pump | \$550 – \$21,000 |
| Booster Pump | \$20,000 |



STEP 3:

MANIFOLD

ITEM

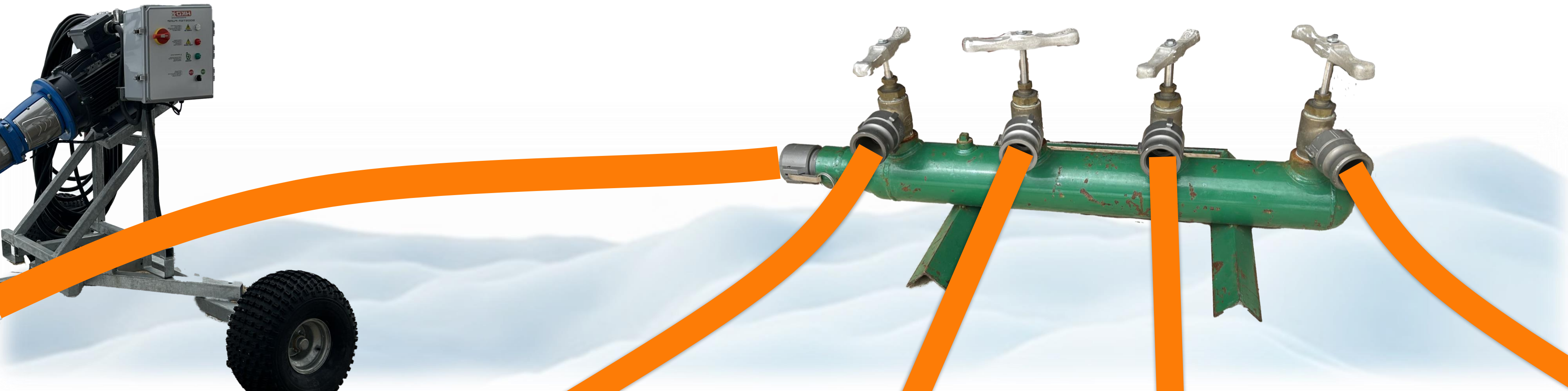
COST

Manifold & Hose

\$350 - \$7,500

ADVANTAGES OF MANIFOLD

- Run multiple guns
- Cover more terrain



STEP 4:

3 PHASE 480 V POWER

OR



GENERATOR



STEP 5:

EQUIPMENT (portable)

| ITEM | COST |
|-----------------------|----------|
| HKD Fan Gun | \$30,000 |
| HKD Fan Gun w/Pump | \$45,000 |



STEP 5:
EQUIPMENT
(portable)

| ITEM | COST |
|-------------|----------|
| S-Sled Volt | \$15,000 |



STEP 5:

EQUIPMENT (fixed)

| ITEM | COST |
|---------------------|----------|
| Phazer Volt on Boom | \$16,000 |

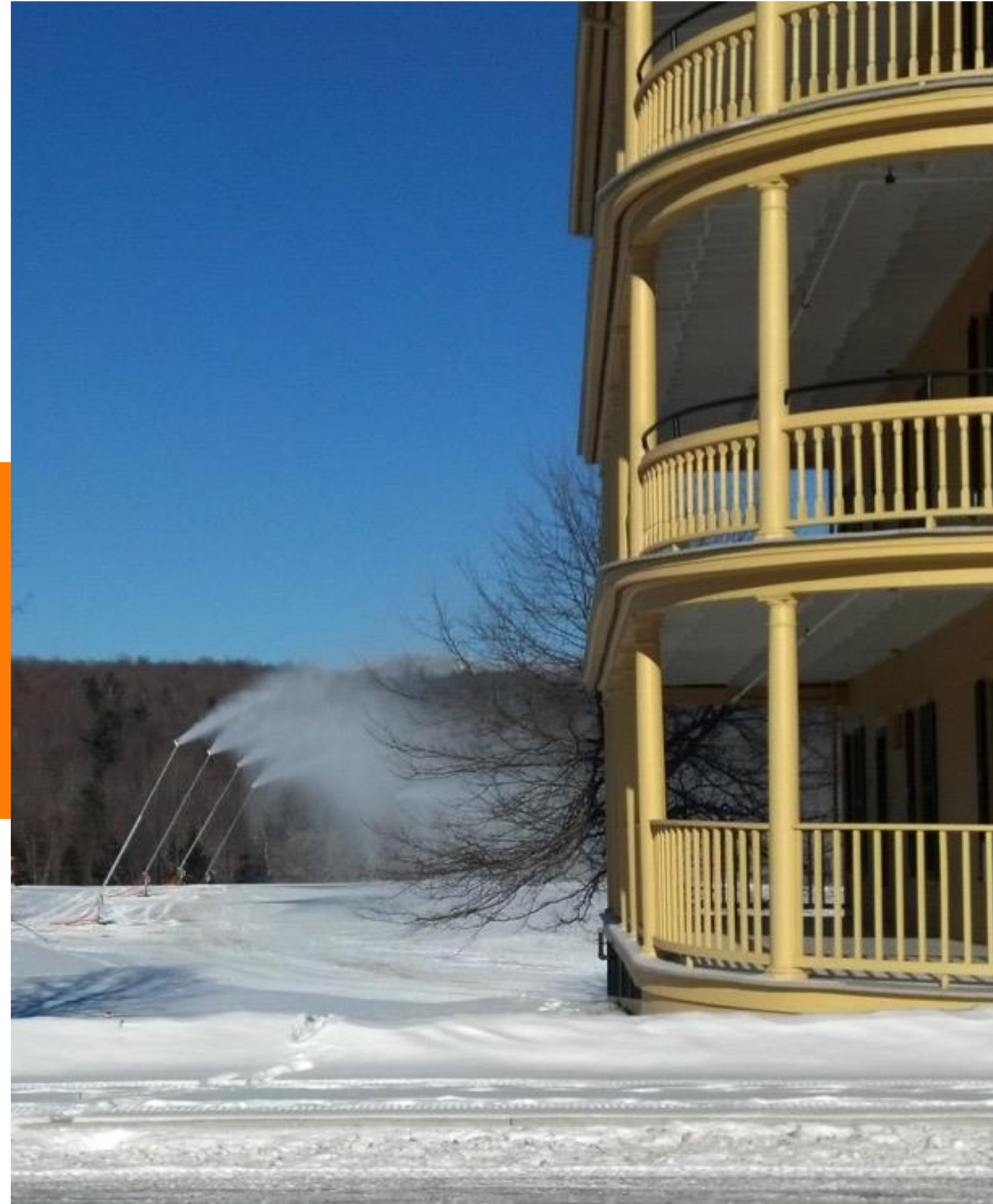
ADVANTAGES OF FIXED EQUIPMENT

- Efficient Operation
- Open Trails Faster
- Reduced Labor

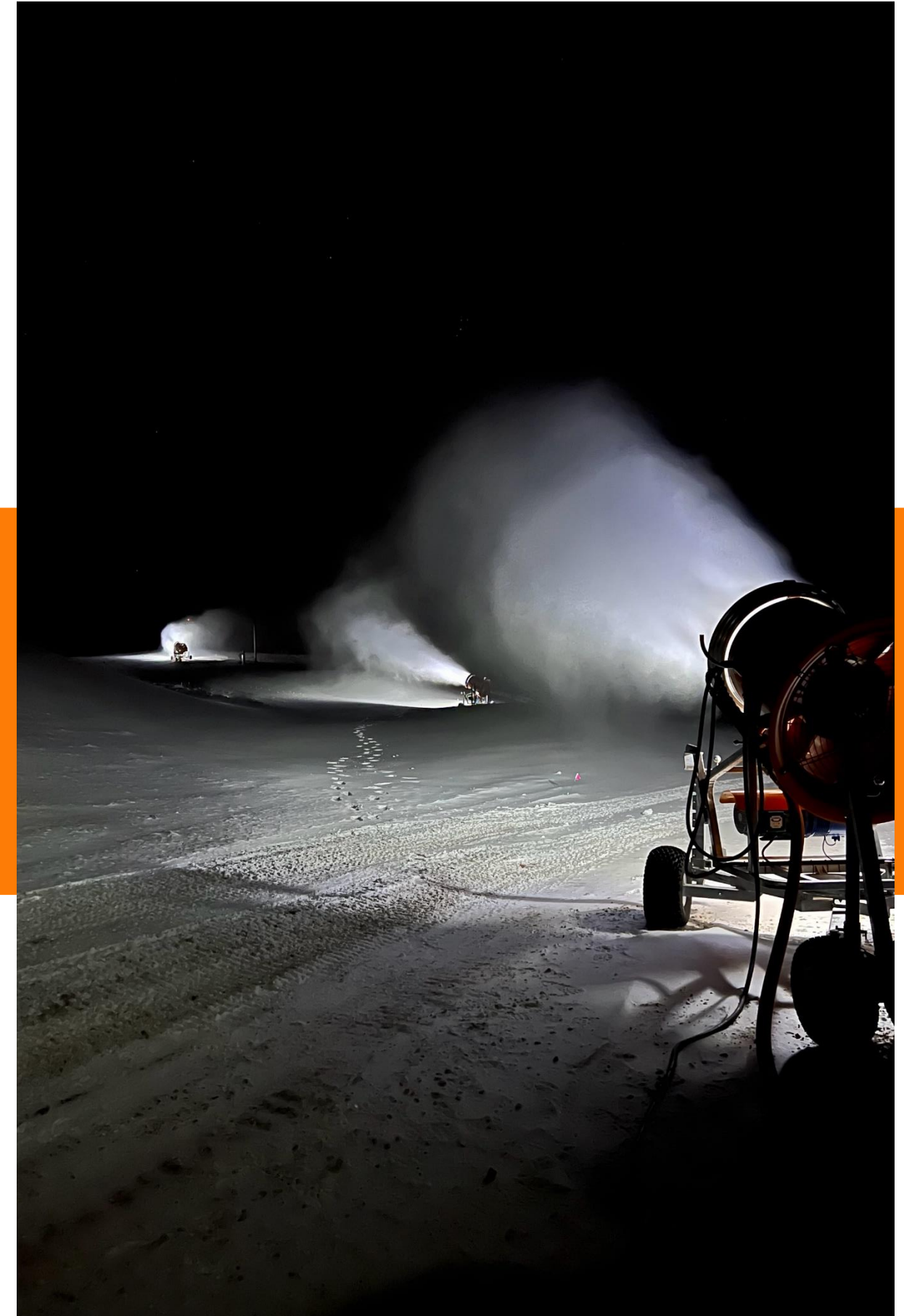
AMERICAN BIRKEBEINER



RIKERT NORDIC CENTER



ARIENS NORDIC CENTER



BREAKDOWN



| | ITEM COST |
|------------------------|-------------------|
| Supply Pump | \$550 - \$21,000 |
| Manifold & Hose | \$350 - \$7,500 |
| HKD Fan Gun w/ Pump | \$45,000 |
| TOTAL | \$45,000-\$60,000 |

Start taking these steps to get snow on your stadium and key trails for next winter.

START SMALL AND GROW

If you want to cover 10 km of trail before Christmas it will require installing permanent infrastructure. You would be looking at ~ \$5 million.

AND THAT'S A WRAP!



COURTESY OF RIKERT NORDIC CENTER, VT

Please feel free to reach out to us directly with any specific project you have.

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