

**SMC Shared Resources Meeting for GHG Inventories**

**Wednesday July 11, 10-12 at WPL Telluride Room**

**(Note this document was updated after the meeting with outcomes & findings)**

The aim of this meeting is to reach consensus as to how the GHG emissions associated with each shared resource will be assigned between the Telluride & Mountain Village GHG Inventories. Allocations for Telluride's inventories from 2010-2017 are explained below, along with associated Mountain Village analyses. The SMC inventory includes all jurisdictions (including Telluride & MV) and thus is inclusive of these resources.

Allocation methodologies to consider for each resource:

- Location of utility meters determines how electricity and natural gas values are provided by SMPA and Black Hills Energy
- % of county population
- Is data available to parse resources between communities?
- Allocation of tourist impact to Telluride & Mountain Village versus rest of SMC or greater region?

**Regionally Shared Resources**

Wastewater Treatment Plant – Telluride & MV & SMC subdivisions

*MV: 15% ownership, \$30,000 toward solar PV system, 35% of use*

*Towns working toward Regional Sewer District (~5 years?)*

- Electricity & natural gas: 100% to Telluride
- Biogas emissions (nitrogen & methane) from all 10,000+ visitors: 100% assigned to Telluride
- *Could allocate all of the above based on % of use*

**\*WasteWater** analysis charts (no impact to GHG Inventory emissions)

*35% assigned to MV, 65% assigned to Telluride.*

(For improved Telluride analysis – breakout of SMC subdivision population needed)

**\*Food** GHG emissions are calculated using WWTP population accounting

*35% assigned to MV*

*65% assigned to Telluride, minus SMC subdivision population of 1035*

Gondola – eliminates vehicle traffic between MV & Telluride

*100% of electricity & offset assigned to MV.*

*Natural gas & diesel use allocated to MV.*

- TMVOA (through TMV electricity bills) purchases Green Blocks to offset electricity use by 100% (in 2017 offset was over by 30,000 kWh & adjusted by TMVOA for 2018 onward), so electricity use does not show up in GHG pie.

Telluride Ski & Golf – operations in MV, Telluride, & County land

*electricity & natural gas allocated per meter location  
(provided this way by SMPA & Black Hills Energy for all regional utility use)*

- TSG operations include:
  - Office space & Businesses in MV core
  - The Peaks & other lodging
  - On-mountain operations
  - Conference Center
  - Telluride - Base of Gondola & Lift 7 operations
- *Could ask for TSG assistance in separating utility bills based on location of service, to reassign emissions accordingly*

Regional airports – serve region

- Telluride airport: 100% allocated to SMC, divided 50/50 between Telluride & MV
- 65% of Montrose airport to San Miguel County – group agreed to split 50/50 between Telluride & MV

Vehicle Transportation – data provided per county

*Emissions assigned as % population of SMC*

- Vehicle registration data & CDOT studies are basis for current Inventory
- Transit Services (some shared among jurisdictions)
- *Traffic count data for Telluride & MV would provide better data specific to community driving, but wouldn't account for distance of travel to each town*

Telluride Festivals – all 3 governments resources utilized

*Electricity & water use tied to Telluride Town Park*

- Located in Telluride Town Park
- Gondola used
- Camping in outlying areas, with school bus transportation
- People travel to region for festivals
- Benefits all businesses

Mountain Village Sunset Series – MV resources

- Located in Mountain Village
- Gondola used
- Regional benefit

Others – serve region, allocated by location

- Wilkinson Public Library - Telluride
- Telluride Medical Center – Telluride
- Telluride School District – Telluride
- Telluride Mountain School - SMC

### **Data Gaps**

Trash & Recycling –

- Bruin provides data per jurisdiction. Has not provided for 2017. Telluride fined Bruin for lack of 2016 & 2017 data. Bruin data is only part of the waste picture.
- Waste Management – Private company, data not available. Require in contracts? MV contract required it. Is it still being provided?
- 2017 Regional & SMC Inventories – data from EcoAction Partner’s Regional Waste Diversion Study. 2015 data trash & recycling per jurisdiction

#### Transportation –

- Region 10 study data not applicable. It focuses on gaps in transit services.
- CDOT data tracks highway travel only, not all roads.
- Registered vehicles in counties relies upon average CO annual mileage.
- Off-Road vehicle use is increasing, but not accounted for.

#### Affordable Housing –

- Regional impacts on transit studies & transportation emissions
- GHG calculation could be done to compare impacts of reducing commute mileage for local employees

#### Food -

- Population-based calculation, including visitors. Telluride is based on 65% of WWTP, minus estimated SMC subdivision population served by WWTP (~1035). Mountain Village would be 35% of WWTP population.
- A food study would be helpful for more accurate food emissions & tracking reduction associated with farmers markets & programs.

#### Propane data –

- Estimate from 2010
- Private companies, updated data not currently available