

# Frattalone Companies, Inc.



# MetroDome Demolition



MetroDome Demolition with new Volvo EC480D High Reach Demolition Excavator



# MetroDome Demolition





# MetroDome – Offsite Concrete Recycling





# MetroDome Waste Stream

- The following materials were salvaged, recycled or removed from the Dome:
  - Interior fixtures, furnishings, equipment
  - Field Turf – Reused on a high school field in Rochester, MN and other applications
  - Seating – HDPE seats and backs on cast steel frames
  - Interior “soft” demolition – Sheet rock, insulation, steel stud partitions, masonry
  - Teflon Coated Roof fabric and support cables
  - Ferrous metals – typically structural and reinforcing steel
  - Non-ferrous metals – copper, aluminum, brass, etc.
  - Concrete – for re-use as MnDOT spec roadway aggregate base

# MetroDome - Regulated Materials

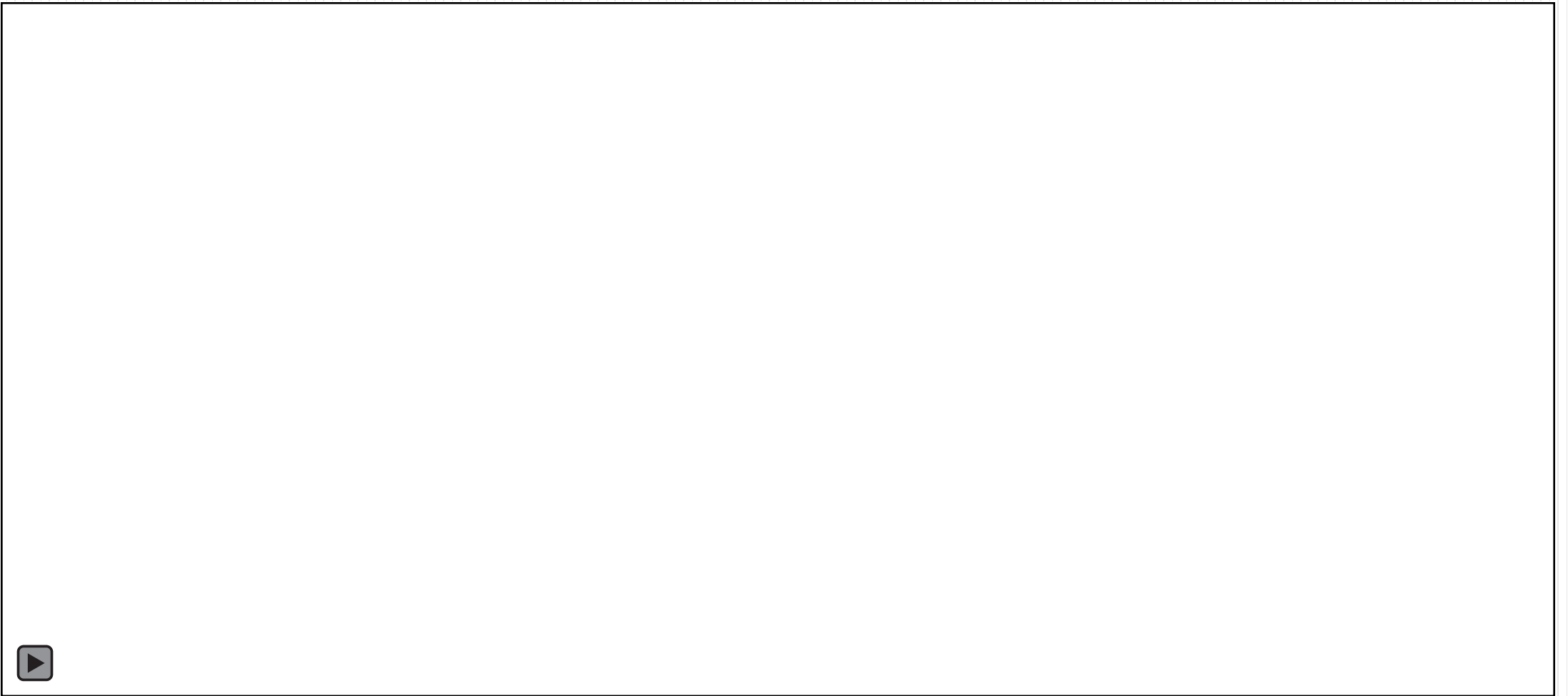
- All demolition projects are required to separately remove bulbs, ballasts, mercury switches/thermostats, etc. These are all recycled.
- Some examples of items removed from the MetroDome include:
  - 4' Lamps 5,105 each
  - 8' Lamps 644 each
  - HID Lamps 582 each
  - Non-PCB Ballasts 12,377 pounds
  - Computer Board Equipment 35,957 pounds



# Island Station Power Plant – St. Paul, MN

- Demolished in March 2014
- Constructed in 1920's
- Closed in 1970's
- Total SF: 75,000
- The main plant was over 100 feet high with a 180 foot high, 30 foot diameter riveted steel stack above it
- Brick clad, structural riveted steel frame on 5 foot thick slab founded on 1000 wood piles
- Tons of Ferrous Metals salvaged: 1,500
- Tons of Non-ferrous Metals salvaged: 100

# Island Station Implosion Video





# Island Station Demolition



Foundation Removal

# Commonly Salvaged/Recycled Demolition Materials

- Concrete
- Metals – scrap vs. resell
- Wood – shred, timbers, etc.
- Industrial Equipment – scrap or resell
- Drywall
- Ceiling Tiles
- Misc. Materials







