LVP Innovation
Grant Update
Black Beach Recreational Park – Silver Bay

• Phase I - Establish public use and access
• Located on Northshore Mining Co. Land
• 31.6 acres, and 3,500 feet of shoreline
• Fencing, signage, parking areas, pathways, picnic areas, restrooms and future campground planning
• $125 Grant; $1,143,100 Project
Scram Tailings Reclamation Study

- Mining Resources, SEH, Prairie Restorations, City of Hibbing
- Develop innovative solutions for reclamation on scram tailings basins, which are coarse and have lower nutrient, and moisture holding capacities
- Bench scale testing; field study; final report
- Grant $60,000; Total Project $88,200
Mining Resources LLC
United Taconite

- Cliffs, City of Eveleth, Architectural Resources, Prairie Restorations, Cliffs, DNR and IRRRB
- 2 Reclamation Projects: Truck Shop Embankment and Spruce Stock Pile
- Both sites are highly visible from the community and driving public, and the project goal is to achieve a natural landscape, enhance aesthetics and view
- Grant $98,000; Total Project $158,285
Floating Sulfate Reducing Bioreactor

• Goal: To most efficiently and inexpensively reduce sulfate concentrations at high volumes to help meet regulatory limits for existing and new mining operations, municipal treatment plans and various industrial businesses in NE MN
• ERJPB, NRRI, Apex Engineering, PolyMet, Cliffs, Barr Engineering, Premier Plastics and Silicon Energy and Clearwater Layline
• 2 Grants $195K; Total Project $1.5M
> 80% sulfate reduction
Hibbing Taconite Stockpiles 4090 and 5012

- Reclamation included shaping, soil amendment and planting of stockpiles
- Hibbing Taconite, University of MN School of Architecture, DNR
- Visible to public from Kleffman Road
- Planting of 4090 on May 14th included 90 5th graders from Hibbing, and numerous volunteers
- Grant $100K; Total project $341K
• $15K remaining in FY15
• $200K approved by the IRRR Board for FY16