## **Tool and Equipment**

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# Hydraulic Power Unit Video



### Description

The Hydraulic Power Unit is an innovation to safely run salt conveyors. There are three hoses that come off the hydraulic power unit: a lift hose, return and a pressure hose. These hoses replace the power take off shafts that were previously used. Once the machine is started, the worker has two throttles to work with that are attached to the salt conveyor, a control throttle and a light conveyor that adjusts the height.

#### Benefit

This innovation removes the need to have expensive tractors in salt which can lead to costly repairs due to salt dust. Eliminating the need for a tractor frees it up for using elsewhere. The conveyor is now easier to hook and unhook and eliminates a worker standing next to the PTO shaft while putting salt into storage.

#### **Materials and Labor**

The total cost of materials is \$8,890. \$7,790 for the hydraulic motor assembly, \$800 for hydraulic hoses and \$300 for hydraulic tanks. The total labor to create the power unit is 50 hours.

#### **For More Information Contact**

#### **Southwest District:**

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Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: <u>http://sp/sites/tp/planpol/SitePages/InnovationHome.aspx</u>

